

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

**Assessment Report on the Van Horne Project
2019 Exploration Program**

**Prepared for
KG Exploration (Canada) Inc.**

NTS 52 F/10

Prepared by
Percy Clark (M.I.T)
Clark Exploration Consulting Inc.
April 2020



Table of Contents

1.0 Summary5

2.0 Introduction5

3.0 Property Description & Location.....5

4.0 Accessibility, Climate, Local Resources, Infrastructure, Physiography 10

 4.1 Accessibility 10

 4.2 Local Resources and Infrastructure..... 10

 4.3 Physiography and Climate 10

5.0 History 11

 5.1 Exploration and Economic Evaluation..... 11

 5.2 Government Mapping 12

6.0 Regional Geology and Mineralization..... 13

7.0 Property Geology and Mineralization 16

 7.1 Property Geology 16

 7.1.1 Lithologies 17

 7.1.2 Alteration 18

 7.2 Mineralization 19

8.0 Exploration Program 2019..... 20

 8.1 Geological Outcrop Mapping 20

 8.1.1 Mapping Procedures..... 20

 8.1.2 Rock Sampling and Geochemical Assay..... 21

 8.2 Stripping, Detailed Mapping & Channel Sampling 21

 8.2.1 Earthworks 21

 8.2.2 Rehabilitation 21

 8.2.3 Detailed Mapping..... 21

 8.2.4 Channel Sampling and Geochemical Assays 22

 8.3 Diamond Drilling..... 22

 8.3.1 Earthworks 22

 8.3.2 Collar and Downhole Surveys..... 22

 8.3.3 Core Orientation..... 23

 8.3.4 Geological Core Logging 23

 8.3.5 Geotechnical Core Logging 23

 8.3.6 Geochemical Sampling and Assay 23

9.0 2019 Exploration Program Results..... 24

 9.1 Bonanza Area Mapping..... 24

 9.2 Glatz-Vanlas Area Mapping..... 25

9.3 Lone Jack Area Mapping25

9.4 Redeemer-Lost Area Mapping.....26

9.5 Structural Mapping28

9.6 Rock Sampling.....28

9.7 Bonanza Stripping and Sampling.....28

9.8 Glatz West Stripping and Sampling30

9.9 Glatz East Stripping and Sampling30

9.10 Hand Stripped Exposures30

9.11 Diamond Drilling30

9.11.1 Bonanza Drilling30

9.11.2 Glatz West Drilling32

9.11.3 Glatz East Drilling.....34

10.0 Sample Preparation, Analyses and Security36

11.0 Data Verification38

12.0 Conclusions41

13.0 Recommendations41

13.0 References43

List of Figures

Figure 1: Van Horne Property Location Map 7

Figure 2: Van Horne Property Mining Claim Map..... 8

Figure 3: Van Horne Patent Claims Map..... 9

Figure 4: Regional Geology of the Superior Province.....14

Figure 5: Eagle Lake - Wabigoon Lake belt geology15

Figure 6: Belt Scale Alteration (red).....16

Figure 7: Total Field Magnetics18

Figure 8: Gold occurrences in the Van Horne Area19

Figure 9: 2019 Exploration Program, Areas of Focus20

Figure 10: Bonanza Outcrop Mapping and Sampling during 2019 field program24

Figure 11: Glatz-Vanlas Outcrop Mapping and Sampling during 2019 field program25

Figure 12: Lone Jack Outcrop Mapping and Sampling during 2019 field program26

Figure 13: Redeemer-Lost Outcrop Mapping and Sampling during 2019 field program.....27

Figure 14: Bonanza Area Drilling Map including Hole Outlines31

Figure 15: Glatz Area Drilling Map including Hole Outlines33

List of Tables

Table 1: 1981-2010 Canadian Climate Normals Station Data, Dryden11

Table 2: Significant Grab Sample Results29

Table 3: Significant Channel Sample Results.....29

Table 4: Bonanza Drill Holes Final Collar Location, Orientations and Depth34

Table 5:Glatz Drill Holes Final Collar Location, Orientations and Depth35

Table 6: Significant Results from the 2019 Van Horne Drill Program.....35

Table 7: Detection Limits for Au-AA24.....37

Table 8: Detection Limits for Au-GRA2237

Table 9: Detection Limits for ME-ICP6137

Table 10: Detection Limits for ME-OG6238

Table 11: Sources and Names for Standards and Blanks used in the 2019 Field Program.....39

List of Appendices

- Appendix A: Certificate and Qualifications
- Appendix B: Statement of Expenditures
- Appendix C: Claim Data
- Appendix D: Grab Sample Descriptions
- Appendix E: Grab Sample Certificates of Analysis
- Appendix F: D. Lewis’ “2019 Structural and Lithological Geological Mapping” Report
- Appendix G: Stripping Maps
- Appendix H: Channel Sample Descriptions
- Appendix I: Channel Sample Certificates of Analysis
- Appendix J: Geological Drill Logs
- Appendix K: Drill Cross-sections
- Appendix L: Drill Core Certificates of Analysis

1.0 Summary

The 2019 exploration program on the Van Horne Property was conducted by Clark Exploration and Consulting Inc. (“Clark Exploration”) on behalf of KG Exploration (Canada) Inc. (“KG Exploration”). The goal of the program was to follow-up on the successes of the 2018 program while also further developing new target areas.

The Van Horne property comprises a tract of mining claims and patent claims located approximately 8 km south of Dryden, ON. The property is accessible using a combination of paved highways, gravel roads, and trails. Highway 502 transects the western portion of the property. Wabigoon Lake Road runs east of Highway 502 and provides access to the eastern half of the property. The eastern edge of the property can also be accessed by water (Wabigoon Lake).

Geological outcrop mapping was completed in select focus areas to collect lithological and structural data and to develop prospects for future programs. Over 9,600 m² of mechanized stripping was performed to create three exposures. 3,527 m of diamond drilling was completed in the areas proximal to the stripping. 188 grab samples were collected across the property with the aim of delineating mineralized trends and prospects. 469 channel samples were collected on mechanized and hand stripped areas with the aim of producing gold values to develop them into drill targets.

Drilling in the Glatz area yielded anomalous gold values. These values provided validity to the numbers obtained in historic drill holes in the area. Grab and channel sampling results from the 2019 program have provided prospective targets for future exploration in both areas with known gold occurrences, and historically under explored portions of the property.

The purpose of the report is to satisfy work requirements with the Ontario Ministry of Energy, Northern Development and Mines (ENDM) on the mining (non-patent) claims. A total of \$1,485,704.38 of work was completed during the 2019 program.

2.0 Introduction

This report has been produced for KG Exploration (Canada) Inc. (“KG Exploration”) to document the work completed and results obtained during the 2019 exploration program at Van Horne, and to satisfy the assessment reporting requirements of the Ontario Ministry of Energy, Northern Development and Mines (ENDM). Clark Exploration Consulting Inc. (“Clark Exploration”) was engaged by KG Exploration to complete the 2019 Van Horne fieldwork and report composition. This report has been prepared on the basis of field observations, previous assessment reports filed with ENDM, data reports supplied by KG Exploration, regional geological publications by academic institutions and the ENDM, and fieldwork undertaken by Clark Exploration or other subcontractors under supervision of the author.

3.0 Property Description & Location

Van Horne is located in the Kenora Mining District, 8 km south-west of Dryden, Ontario (Figure 1). The property straddles the borders of the Van Horne Township, Aubrey Township, Buchan Bay Area, and Contact Bay Area. The Property is comprised of 333 mining cell claims and 12 mining patent claims, covering approximately 6,197 hectares (62 km²) (Fig. 2,3). The property is centered at approximately 49°42' N, 92°54' W (UTM NAD83 Zone 15, 0507000m E, 5507000m N) on NTS 52F/10.

The property consists of one contiguous claim block, situated between the Migisi Sahgaigan Eagle Lake First Nation and Wabigoon lake and is bisected by Ontario Highway 502. Originally, physically staked with claim posts, 2018 changes to the claim registry system through ENDM saw all mining cell claims digitally generated through the Ontario Mining Lands Administration System (“MLAS”). The new MLAS cells are 460 x 450 m or a portion

thereof. Van Horne mining cell claims total 6,197 ha. There are 13 owned patent mining claims at Van Horne, ranging from 9 to 66 ha, totaling 253.736 ha. Claims data is summarized in Appendix C.

All claims are 100% owned by Pure Gold Mining and under option to KG Exploration. Mining cell claims confer mineral tenure only; surface tenure is held either by the crown or by surface rights owners (SRO's) with whom an agreement to conduct work has been procured. The mining patent claims are a mix of surface and mining rights or mining only.

There are 17 historical mine shafts on the property at 12 different prospects. The shafts are aligned in an east to west trend between highway 502 and Contact Bay on Wabigoon Lake (Figure 9) and correspond to the majority of known mineralized areas on the property

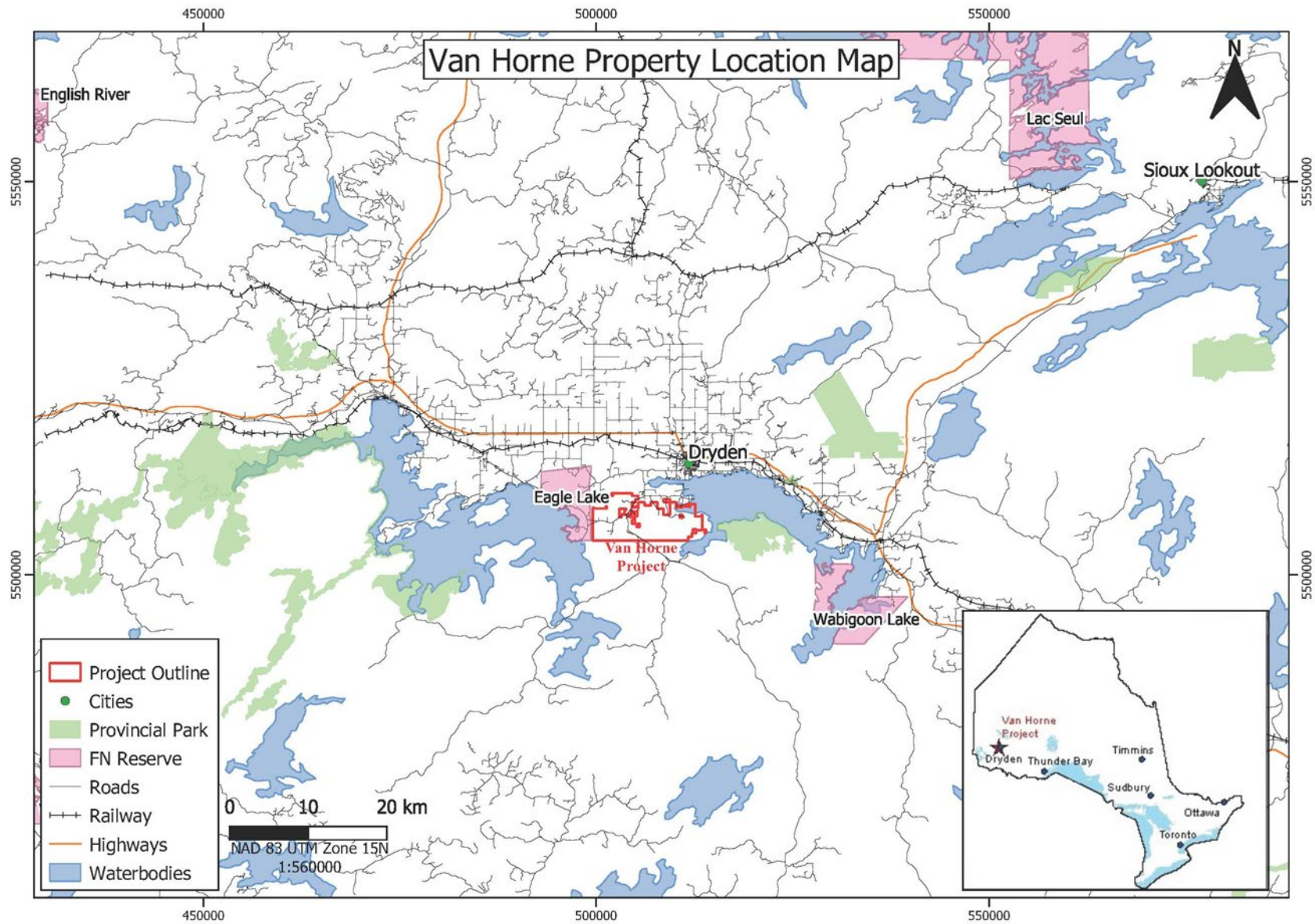


Figure 1: Van Horne Property Location Map

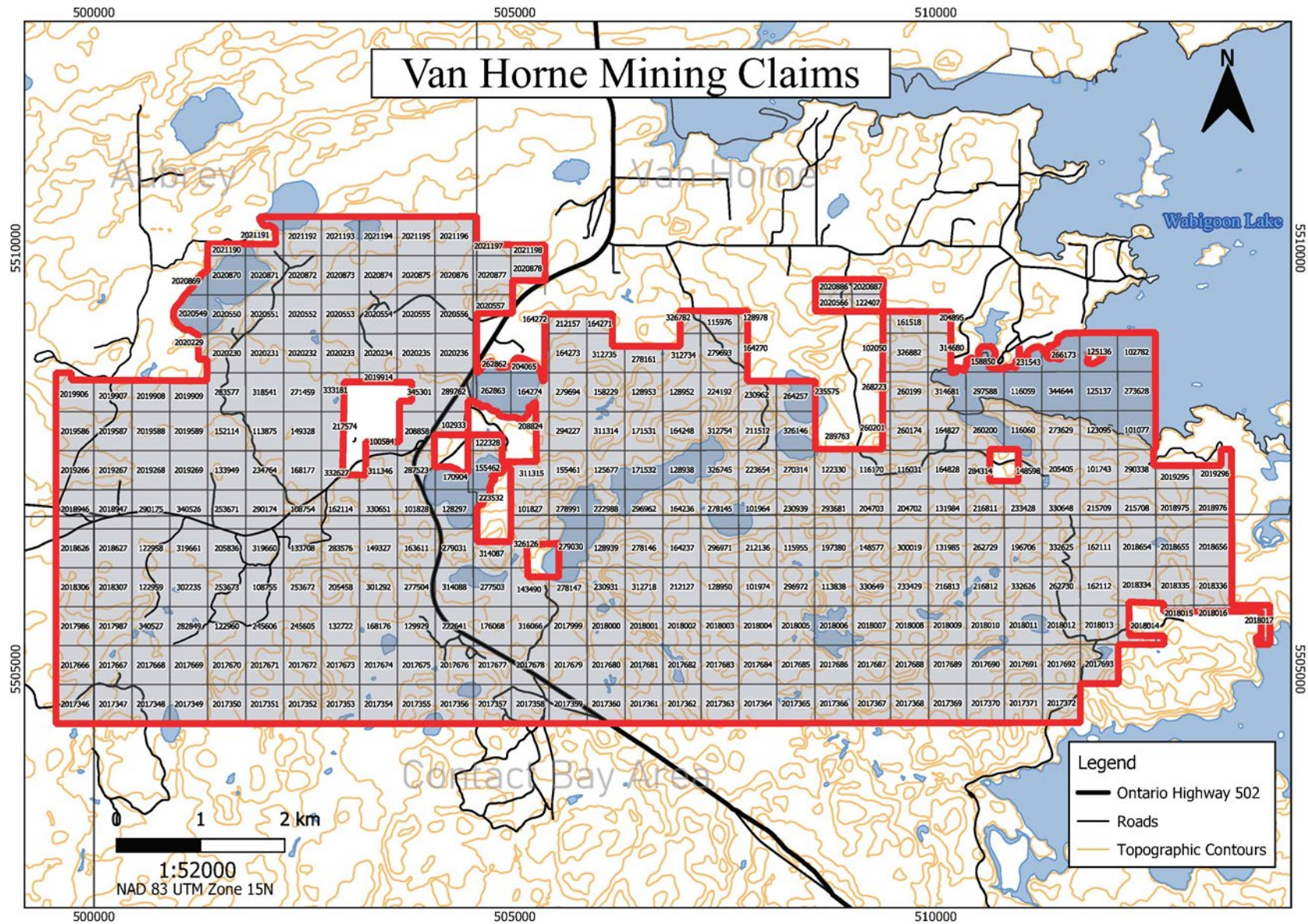


Figure 2: Van Horne Property Mining Claim Map

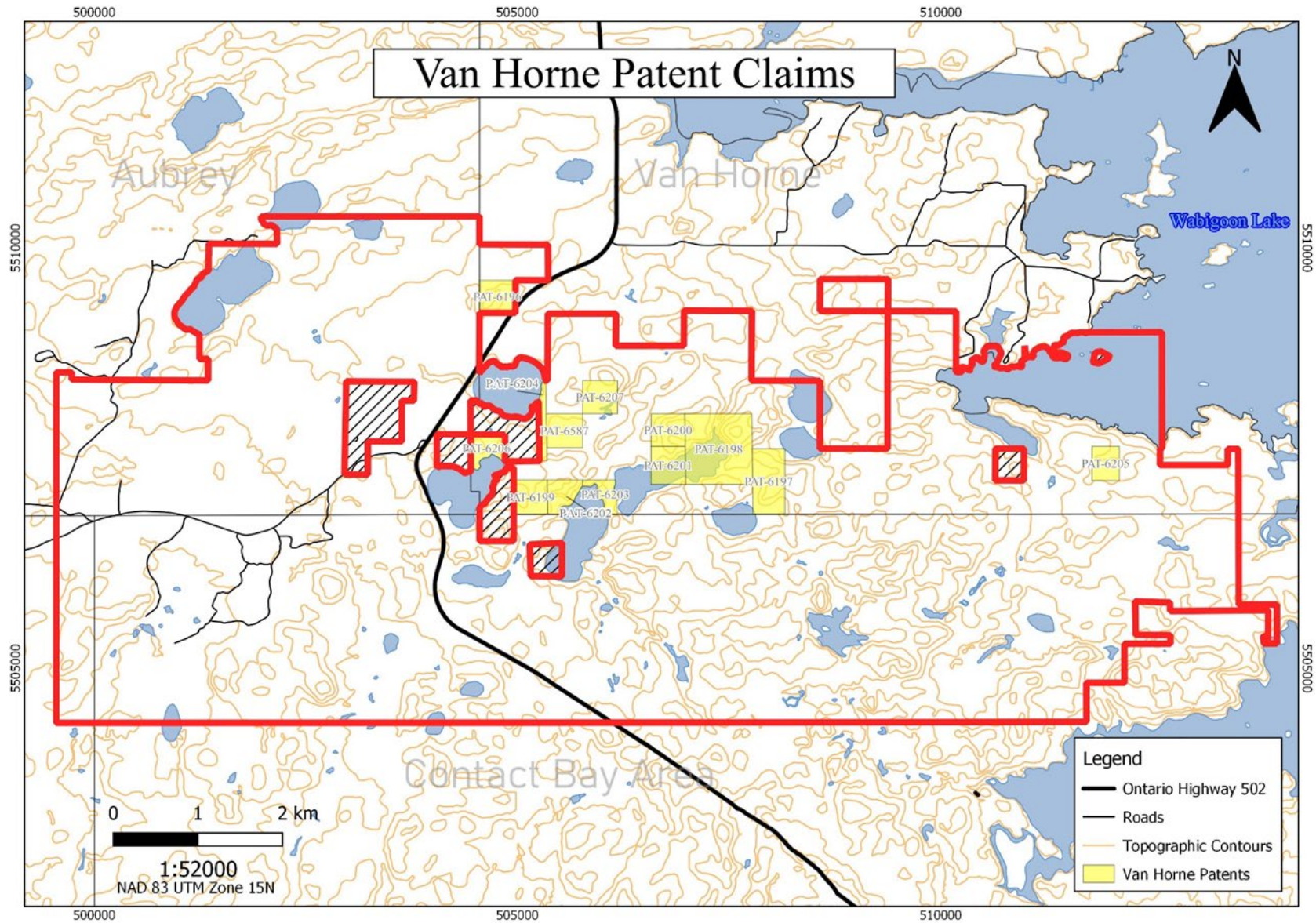


Figure 3: Van Horne Patent Claims Map

4.0 Accessibility, Climate, Local Resources, Infrastructure, Physiography

4.1 Accessibility

Access to the property is primarily via roads/trails off of Highway 502. Access to the west half of the property can be gained via private roads and UTV trails that extend east between Pritchard Lake and Flambeau Lake and provide access to the historic Vanlas shafts. Access to the extreme west can be made via Ojibway Road.

Access to the east side of the property can be gained by traveling east on Wabigoon Lake Road for 3.0 km from Highway 502. At 3.0 km there is a southbound logging road (Old Contact Bay Road), that has been recently (2019) refurbished for logging purposes and is fit for a 4WD truck. This road extends southbound and at 2.5 km turns into a T-Junction with roads/trails extending both east and west. Turning eastward and extending 2.0 km the road heads towards Larson Bay of Wabigoon Lake. After Larson Bay, the road again heads south and is less maintained and is more suitable for a UTV. Turning west provides access to the historic Bonanza, Drake and Good Luck shafts. A smaller ATV trail at the 3.2 km mark of Old Contact Bay Road provides access to the historic Redeemer and Larson shafts.

In addition to roads/trails, the property can also be accessed via water. Larson Bay in the east corner of the property is approximately 8 km from the public docks in Dryden. The property contains numerous small lakes that drain north through McLeod Creek into Manitou Lake. The lakes are small and shallow, varying from 5-15 m in average depth, and the creek is not navigable.

4.2 Local Resources and Infrastructure

Dryden, Ontario, is a natural-resource industry regional hub with a population of approximately 5,586 (2016 Statistics Canada Census). Exploration services including equipment contractors, fuel, groceries, accommodations and regional flights to primary airports such as Winnipeg are available in the town. The primary local industry is pulp and paper, with a large mill owned by Domtar located in the town.

Dryden and the surrounding area are serviced by high power transmission lines and have direct access to trans-continental rail and the Trans-Canada Highway (Highway 17).

4.3 Physiography and Climate

Van Horne covers part of the Canadian Shield of northwestern Ontario, an area dominated by low rocky hills and abundant lakes. Van Horne is located between two large lakes, Eagle Lake and Wabigoon Lake and hosts seven smaller lakes within or along the property margin.

Terrane on the property consists mostly of low-lying swampy areas, gently rolling second-growth forests, and abrupt, rocky, cliffs and bluffs. There is less than 100 m of relief between the lowest and highest points on the property. Elevations range from 368 m on Wabigoon Lake to 436 m above sea level at the top of one of the ridges.

The forests are a second growth mixture of deciduous (birch and alder) and evergreen (pine, spruce and cedar) trees, while the low-lying areas are dominated by muskeg, dense pockets of slide-alder and/or grasses. Thick deposits of glacial till and lacustrine sediments are present in low lying areas while a soil horizon is practically non-existent on the areas of higher elevation.

The climate at Van Horne is classified as “Humid Continental (Dfb)” with cold winters (mean daily temperature below -3°C) and mild to warm summers (mean daily temperature below 20°C) (Table 1).

Table 1: 1981-2010 Canadian Climate Normals Station Data, Dryden

1981 to 2010 Canadian Climate Normals station data													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature													
Daily Average (°C)	-16.8	-12.7	-5.8	3	10.8	16.2	18.9	17.8	11.7	4.2	-5.2	-13.5	2.4
Standard Deviation	3.7	4.2	2.7	2.5	2.1	2.1	1.4	1.9	1.7	1.9	3.4	4.1	1.2
Daily Maximum (°C)	-11.6	-7.3	-0.1	8.8	16.9	21.7	24.3	23.1	16.5	8.2	-1.6	-9.1	7.5
Daily Minimum (°C)	-21.9	-18.1	-11.5	-2.8	4.7	10.5	13.4	12.4	6.8	0.3	-8.8	-17.8	-2.7
Precipitation													
Rainfall (mm)	0.2	2.1	6.7	24.7	69.2	115.2	103.1	83.5	87.7	49.2	13	1.2	555.8
Snowfall (cm)	30.1	19.9	25.1	13.9	3.4	0	0	0	1.1	14.6	35.3	31.1	174.7
Precipitation (mm)	26.5	20	29.9	39.6	73.4	115.2	103.1	83.7	88.9	63.6	46.7	29.1	719.7
Average Snow Depth (cm)	30	34	27	5	0	0	0	0	0	1	8	19	10
Median Snow Depth (cm)	30	34	27	2	0	0	0	0	0	0	7	19	10
Snow Depth at Month-end (cm)	34	33	15	0	0	0	0	0	0	1	12	24	10
Days with Maximum Temperature													
<= 0 °C	29.7	23	14.9	3	0.13	0	0	0	0	2.2	18.4	27.7	119.1
> 0 °C	1.3	5.3	16.1	27	30.9	30	31	31	30	28.8	11.6	3.3	246.2
> 10 °C	0	0.09	2.1	12.5	26.3	29.6	31	31	26.3	11	1.1	0	171
> 20 °C	0	0	0	1.8	10.2	18.7	26.6	23.3	7.7	0.73	0	0	89
> 30 °C	0	0	0	0	0.42	1.5	1.8	2.1	0.17	0	0	0	6
> 35 °C	0	0	0	0	0	0.08	0.05	0.09	0	0	0	0	0.22
Days with Minimum Temperature													
> 0 °C	0	0.17	1.8	8.4	25.3	29.9	31	31	27.2	15.2	2	0.09	172.1
<= 2 °C	31	28.3	30.7	25.3	9.5	0.63	0.05	0.13	5.4	21.2	28.9	31	212.1
<= 0 °C	31	28.1	29.2	21.5	5.8	0.13	0	0.04	2.8	15.8	28	30.9	193.1
< -2 °C	30.9	27	26.8	15.4	2.6	0	0	0	0.48	9.5	25	30.5	168.1
< -10 °C	27.9	21.1	15.8	3.2	0.04	0	0	0	0	0.32	11.5	22.9	102.7
< -20 °C	17.9	13	5.5	0.21	0	0	0	0	0	0	2.3	12.5	51.5
< -30 °C	6.3	2.9	0.58	0	0	0	0	0	0	0	0.13	2.8	12.6

5.0 History

5.1 Exploration and Economic Evaluation

Gold exploration and mining occurred in the Dryden area primarily from 1888-1912 (Parker, 1988). Approximately 20 shafts were sunk on or near the property with four mines: Bonanza, Redeemer, Rognon, and Vanlas reporting a combined production of 643.62 oz Au from 1904-1933 (Joliffe, T.S., 1984).

1980-1989: Multiple Junior Explorers

Following the demise of the local gold mining industry before WWII, the area lay dormant until a resurgence of exploration activity led by the junior mining sector in the 1980's. *Van Horne Exploration/Moss Exploration/Power Exploration* worked the Bonanza-Redeemer and Vanlas areas from 1981-89. The majority of the work was an extensive, but relatively shallow, drill program (15,028 m, 128 holes) on the Vanlas occurrence in 1987-88 that resulted in the delineation of a historic resource of 55,000 tons at 0.30 oz/t Au (Kidd #1 & #2 Zones, Joliffe, 1988). A drill program of 13 shallow drill holes (815 m) outlined an additional resource of 4,834 tons at 0.24 oz/t Au beneath the Bonanza shaft (Kidd, 1981).

Voyager Exploration completed limited drilling and surface work over the Flambeau Lake East Zone to the south of Vanlas in the early 1980's, followed by surface work by *Kidd Creek Mines Ltd.* and *Falconbridge Ltd.* In 1988-89, *International Platinum* completed an extensive drill program (3,575 m, 30 holes) that delineated a poorly defined resource of 572,000 tonnes of "...possibly economic material" from the East Zone vein array (Burden, 1989).

Throughout the 1990's limited work was completed in the area and was primarily conducted by local prospectors who worked on many of the pre-existing surface occurrences, reconfirming historical values and in some cases adding additional size potential and context.

2008-2011: Laurentian Goldfields

In 2008 Laurentian Goldfields Ltd. secured the Van Horne property and conducted rock, soil and lake sediment geochemical surveys across the property every 400 m x 100 m. Results delineated strong anomalies over known mineralization, along strike from known deposits and potentially identified new unexplored anomalous zones. Positive results from the geochemical surveys facilitated Laurentian Goldfields to increase their land position.

In 2009, Laurentian Goldfields expanded and infilled their 2008 geochemical surveys, trenched and conducted a detailed airborne magnetic survey. The property was comprehensively sampled at 100 m x 100 m spacing using rock, MMI soil and lake sediment geochemical analysis. Seven trenches were excavated to test strong gold geochemical anomalies, determine the extent of the mineralized shears and quartz veins and to better understand the lithological and structural relationships on the property. The detailed airborne magnetic survey revealed two strong magnetic anomalies interpreted to be hydrothermal magnetite. The results of this work led to the identification of three potential drill targets; Flambeau Lake, Drake - Bonanza and Gator and in 2011 Laurentian Goldfields drilled 10 holes totalling 2,523 m into the Flambeau Lake target.

Recent Exploration

The most recent work on the property came in 2018, with Pure Gold Mining completing an extensive exploration program which included; diamond drilling, MMI, surface mapping and sampling and a detailed structural overview. The field work was carried out by Equity Exploration Consultants on behalf of Pure Gold Mining. The objective of this program was to reassess the economic potential of the Van Horne area following the consolidation of disparate claims, and to deepen the understanding of how gold mineralization on the property is related to structural and alteration controls.

Diamond drilling (672 m, 6 holes) was completed near the historical Drake – Good Luck shafts to assess the vertical extent and continuity of mineralization found at surface. An additional 285 m of diamond drilling (3 holes) was carried out in the vicinity of the historical Vanlas occurrence in order to validate drilling carried out in the 1980s. 229 rock samples were collected across the property with the aim of delineating mineralized trends and prospects. 783 mobile metal ion (MMI) soil samples were taken to increase sample density from a 2008 geochemical survey, and to define new areas prospective for further exploration on newly acquired claims. Geological outcrop mapping with a structural focus was completed across the property to locate and define the nature of the deformation corridors on the property, and to produce a new lithologic interpretation aided by a 739 line-km airborne magnetic survey contracted by Pure Gold.

5.2 Government Mapping

The property is located in the northwest portion of the Eagle-Wabigoon-Manitou Lakes greenstone belt (Blackburn et al., 1991) and is more currently referred to as within the Atikwa domain e.g. (Beakhouse, 2002), which comprises the predominantly juvenile arc assemblages surrounding the Atikwa batholith.

Rudimentary mapping was completed in the early 1900's by the Ontario Department of Mines and by the Geological Survey of Canada during site visits by Parsons (1911), Thomson (1917), and Bruce (1925). Thomson produced a small-scale map for the Bonanza-Redeemer area.

The first and only comprehensive mapping for Van Horne was completed in back-to-back programs over the Eagle Lake (Moorehouse, W.W., 1939) and Wabigoon Lake (Satterly, 1943) areas prior to 1941, both at a scale of 1:63,360 (Maps 48d and 50e).

Trowell et al., 1980 compiled the geology of the area utilizing historical work (e.g. Satterly, 1943), new mapping for the Manitou Lakes area, and augmenting the study area from the Lake of the Woods to Savant Lake with geochemical analysis and an overall regional update in an attempt to bring the 1940's era mapping into a modern context. The report interpreted three geological assemblages in the property (Eagle River, Lower Wabigoon, and Upper Wabigoon volcanics) and identified that the Upper Wabigoon volcanics were iron-rich tholeiites similar to the Boyer Lake volcanics. This work represents the only belt-scale lithogeochemical evaluation of the geological assemblages in the property area.

In the late 1980s, the property was remapped (Scheinbein, R. and Parker, J.R., 1988a) as part of a multi-year evaluation of the gold deposits by the district's Economic Geologist ((J.R., 1989), (Parker, J.R., 1990)). The property visit component provided a much-needed update of the occurrence data for this part of the Kenora district, but the geological component was limited. No significant geochemical work was completed on the belt during this evaluation and concluding remarks include: "Controls on gold deposits in the area have not been well documented or understood."

The Van Horne area was compiled into open file map GDIF 396 during this period (Ontario Geological Survey, 1987), which subdivided volcanic rocks into mafic, intermediate and felsic composition.

A brief program was completed by Beakhouse that focused on the Wabigoon Fault from the Manitoba border to the Sioux Lookout area, including the area immediately to the north of the property (Beakhouse, 1988).

A province-wide compilation of the geology of Ontario was published in 1991 that included a summary of the Wabigoon Subprovince by Blackburn et al., 1991; however, all descriptions for the property are primarily repetition of the earlier work by Trowell et al., 1980. While the Western Superior NATMAP program updated many areas, it did not include any work on Van Horne and much of the area south and west of Dryden.

In addition to geological mapping, the area has been covered by regional aeromagnetic and gravity geophysical surveys and regional lake sediment geochemical surveys by the Geological Survey of Canada. The regional geophysical surveys were augmented by provincial work and are compiled in ERLIS Geophysical Data Set 1036 (Ontario Geological Survey, 1999).

Operation Treasure Hunt was a 2-year program initiated by the OGS in 1999 that resulted in a new airborne magnetic and electromagnetic survey (Ontario Geological Survey, 2002) and detailed lake sediment sampling over the property (Russell, D.F., 2004; Felix, V.E., 2005), to improve on existing regional coverage by earlier GSC programs. The Electromagnetic MEGATEM survey was flown in 2002 with a nominal terrain clearance of 70 m with a 200m line spacing and the flight line direction for block 5, covering Van Horne, was 054 degrees – 234 degrees (Ontario Geological Survey, 2002).

6.0 Regional Geology and Mineralization

The information presented in this section is primarily sourced from (M. Chiang, S. Meade, C. Rennie, 2012).

The property lies within the Superior Province, along the northern flank of the Eagle-Wabigoon-Manitou Lakes greenstone belt within the western Wabigoon Subprovince (Figure 4,5). The Wabigoon Subprovince is a 900-km-long and 150-km-long amalgamation of greenstone belts and platformal carbonate sequences underlain by granite-gneiss suites (Blackburn et al. 1991; Kusky and Hudleston 1999). The east-northeast trending greenstone belts comprise of Mesoarchean and Neoproterozoic assemblages subdivided into western, central, and eastern subsections.

The property occurs within the western subsection that is underlain by primarily Neoproterozoic juvenile arc assemblages and Timiskaming-type arc-rift basins with alkalic syn to late tectonic intrusions and flows. Trowell et al. (1980) identified three main assemblages south of Dryden between the Wabigoon fault and the Atikwa batholith that include the Eagle Lake, Lower Wabigoon, and Upper Wabigoon volcanics (Figure 5).

The volcanics are truncated to the north by the Wabigoon fault that separates the predominantly greenschist metamorphic facies volcanic rocks from the amphibolite facies Zealand sediments to the north. The Zealand sediments are late orogenic Timiskaming-type subaerial to shallow marine sediments and are part of a series of variably aged sediments that include Warclub sediments from the Savant Lake belt, Minnitaki Group sediments from the Sioux Lookout area, Crowduck Lake group and White Partridge Bay group sediments from the Kenora area, Stormy Lake group sediments southeast of the property, and potentially coeval Quest Lake sediments from the Sturgeon Lake belt with associated with late tectonic alkalic intrusions.

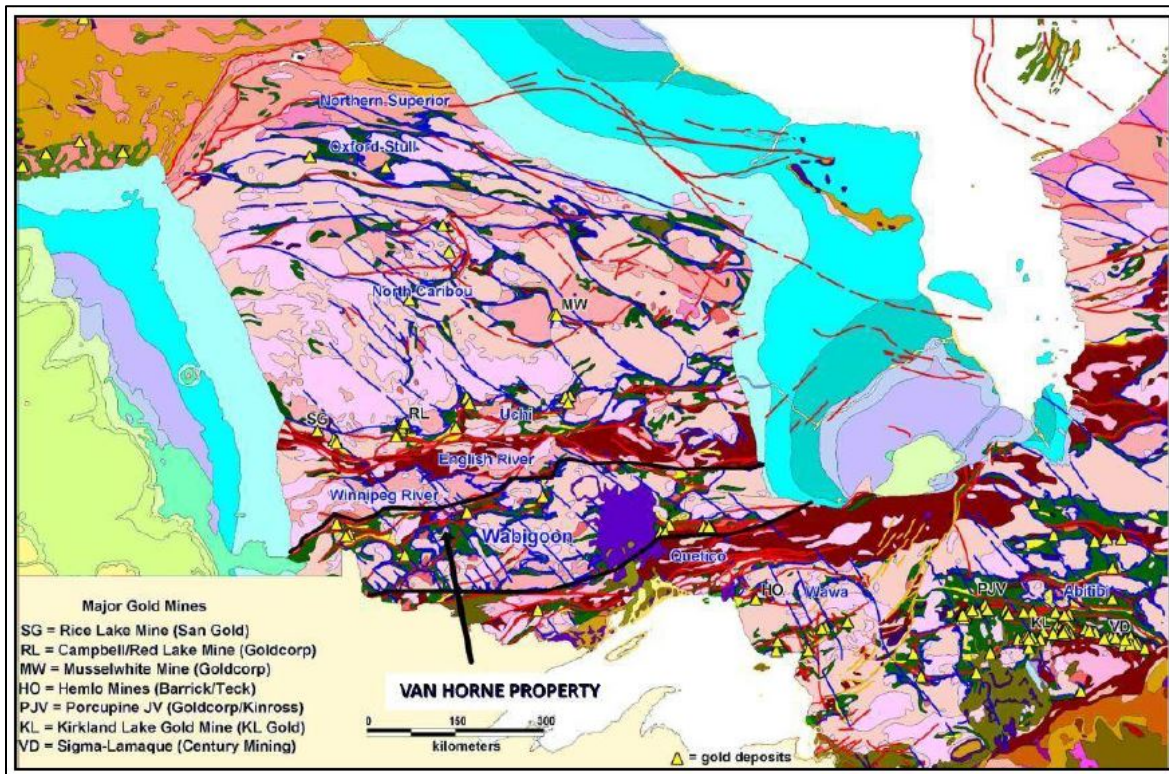


Figure 4: Regional Geology of the Superior Province

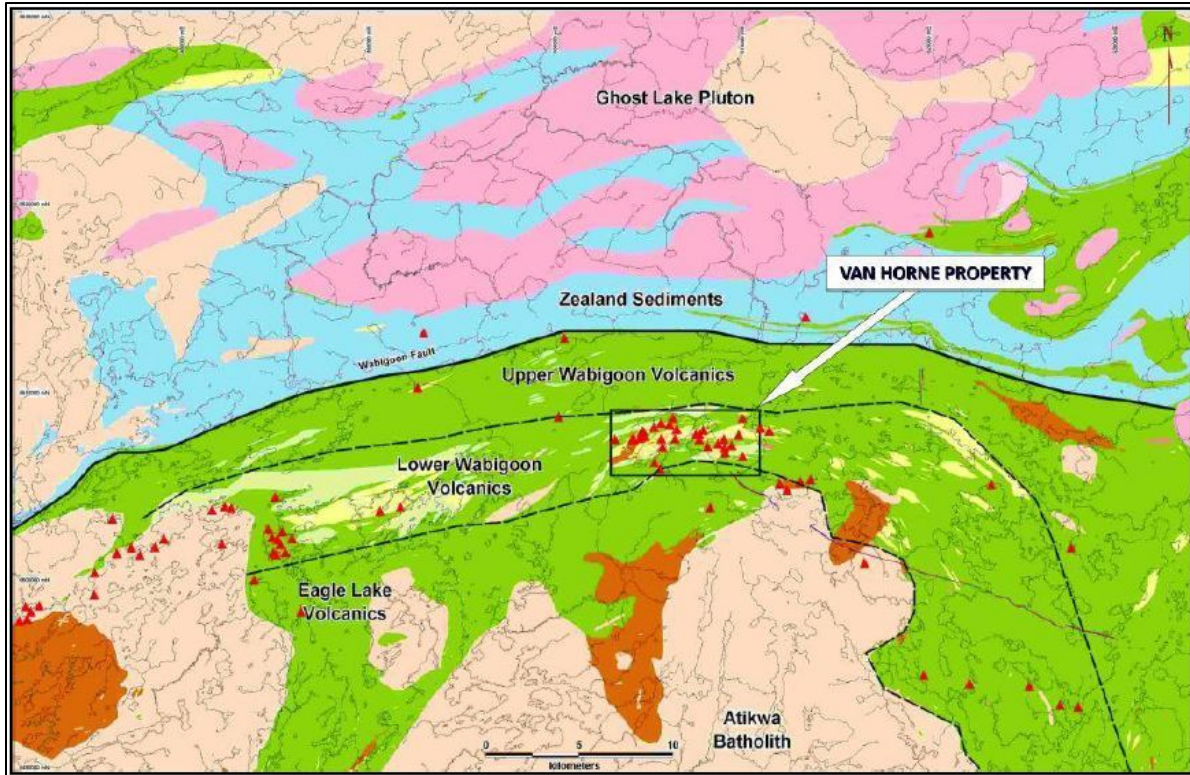


Figure 5: Eagle Lake - Wabigoon Lake belt geology (modified from Blackburn et al. 1991)

Eagle River volcanics are not described in Trowell et al (1980), but the Lower Wabigoon volcanics are reported as a mixed assemblage of calc-alkaline and tholeiitic mafic to felsic volcanic flows and synvolcanic intrusions. Trowell does reference Satterly’s (1943) observations of several northeast trending folds in the lower Wabigoon volcanics. Upper Wabigoon volcanics are reported as a high iron tholeiite, and are considered by Trowell to be similar to the Boyer Lake volcanics adjacent to the Stormy Lake sediments.

The property is underlain primarily by Lower Wabigoon mixed assemblage volcanics and contains one of several clusters of intermediate to felsic volcanic sequences that may be related to local felsic volcanic vents. The intermediate to felsic units include coarse to fine grained volcanoclastics, flows, and a variety of mafic to felsic synvolcanic intrusions.

Upper Wabigoon volcanics are strongly sheared and altered 200-400 m south of the fault (Beakhouse, 2001) and variably sheared throughout Eagle Lake and Wabigoon Lake areas (Satterly, 1943). Both Satterly (1943) and Moorhouse (1941) report widespread deformation and alteration of the volcanic stratigraphy into a variety of chloritized and carbonatized schists, suggesting a much more pronounced deformation and alteration history than indicated on the overly simplistic available maps (Figure 6).

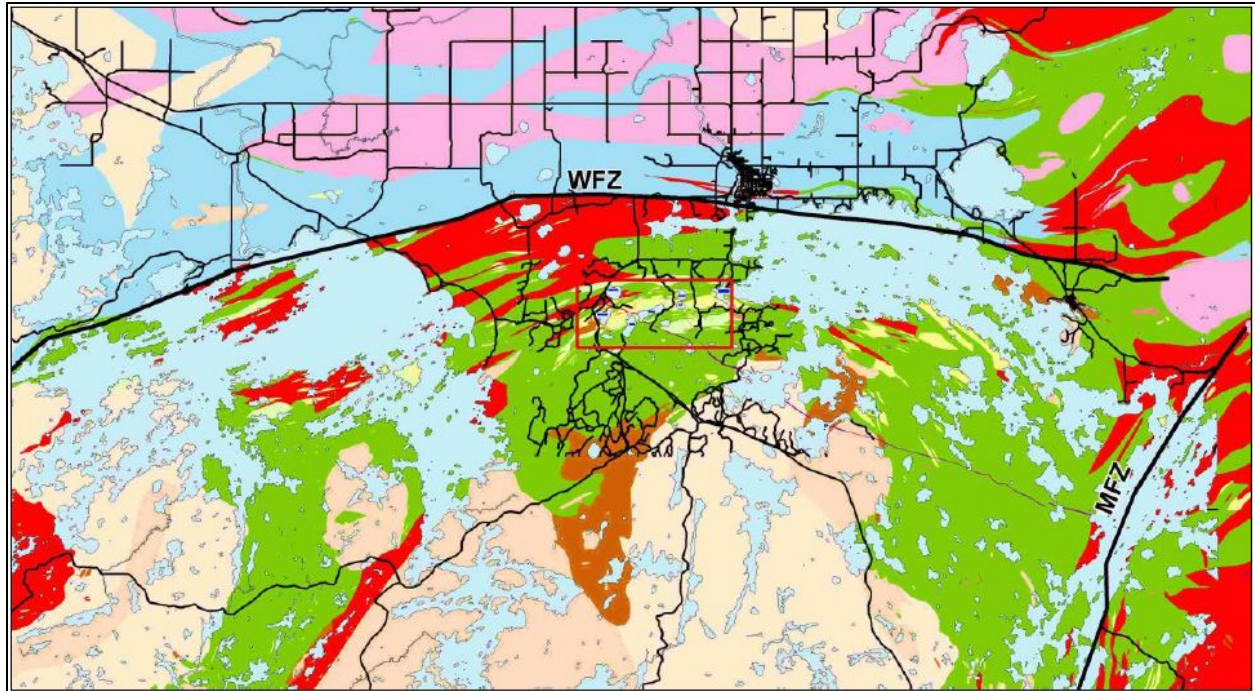


Figure 6: Belt Scale Alteration (red) from Satterly (1943) and Moorhouse (1941)

7.0 Property Geology and Mineralization

The information presented in this section is primarily sourced from I. Carr, D. Baker, 2018

7.1 Property Geology

The Lower Wabigoon rocks underlying the Van Horne property comprise a complex of massive to pillowed, calc-alkaline and tholeiitic, mafic volcanic flows that are typically carbonatized, chloritized and host to disseminated pyrite as well as local magnetite and quartz (e.g. Redeemer mine and Guy Lake area).

The mafic flows are typically intercalated with coarse to fine, mafic to intermediate, volcanoclastic flows and flow breccia. Magnetite is commonly a minor component of mafic breccia flows. Intermediate to felsic volcanoclastics occur throughout and include tuff breccia, lapilli tuff and ash tuff variants, which are generally heterolithic and range from poorly-sorted and massive to moderately-sorted and bedded. Joliffe (1988) reports that iron-rich tholeiitic basalts coincide with some of the magnetic anomalies in the Vanlas area east of Pritchard Lake.

Mafic volcanoclastic fragments are typically rounded and felsic fragments are generally angular. Many volcanoclastic units with intermediate to felsic fragments have a mafic matrix.

Felsic volcanic flows occur along an east-west trend from north of Flambeau Lake to Larson Bay, defining either a depositional horizon or possibly a fold axis (Figure 7). The flows are typically sericitized and carbonatized, becoming chloritized in the Guy Lake-Twingrass Lakes area. Disseminated pyrite and magnetite are common in flows and tuff variants. A quartz-diorite intrusion immediately north of Flambeau Lake with disseminate pyrite and magnetite may be a shallow intrusive equivalent. The intrusion locally contains up to 15% magnetite and 25% pyrite and has a clotty chloritic phase.

Discontinuous interflow sedimentary rocks, primarily reworked tuff, occur throughout the property and exhibit laminated bedding and sorting as well as scour and fill features.

The Lower Wabigoon volcanic rocks are intruded by gabbroic to dioritic sills, particularly in the Flambeau Lake area, and are observed to be gradational into mafic tuff breccia indicating they are synvolcanic intrusions. The sills contain abundant magnetite and/or pyrite and are typically carbonatized and sericitized. Country rock volcanics are also intruded by suites of pre-Proterozoic mafic and felsic dykes, which crosscut all units except for the Proterozoic diabase dyke. Mafic dykes are fine- to medium-grained, gabbroic to dioritic, and contain massive, vesicular, amygdaloidal and porphyritic variants. The dykes are typically northeast and northwest trending around Flambeau Lake and east-west trending to the east of this lake. Scheinbein, R. and Parker, J.R., (1988a) suggest they are synvolcanic based on textural similarities to mafic flows. However, some dykes occupy the expected dilation sites in a dextral transpressive settings that post-date volcanism, suggesting there may be more than one mafic intrusive event.

Felsic dykes include both feldspar porphyry (“FP”) and quartz-feldspar porphyry (“QFP”) dykes. The dykes are generally <50 m wide and are typically either northwest or east-west trending. A significant number of the gold mineralized fault zones with quartz-ankerite vein arrays, also contain porphyry dykes.

Bruce (1925) reported deeply weathered, narrow lamprophyre dykes in the Bonanza and Redeemer mine areas. The rocks are dark purplish in colour and thin section analysis indicated that they are strongly altered. Satterly (1943) observed similar dykes and described the original hornblende phenocrysts as partially replaced by biotite and the groundmass as an aggregate of biotite, hornblende, carbonate, pyrite and accessory sphene.

Joliffe (1984) reports predominantly east-west trending lamprophyre dykes within the host structures to the Ideal, Bonanza-Lost, Redeemer and SV 372 mine trends, and also states that it is possible that many of the intermediate volcanic rocks are altered mafic rocks, consistent with earlier work by Satterly (1943). Mapping also identified two younger units of porphyritic granite and granodiorite, located 600 m southeast and 1500 m southwest, respectively, of the Redeemer mine. The latter crosscuts all lithologies but is interpreted to be contemporaneous with at least some of the QFP/FP dykes. Moderate ankerite alteration is reported from most of the felsic volcanic rocks over a 6 x 2.5 km area near the Bonanza-Redeemer mines.

7.1.1 Lithologies

The 2008 reconnaissance mapping was generally in agreement with historical mapping from the 1980’s (Scheinbein, R. and Parker, J.R., 1988a; Scheinbein, R. and Parker, J.R., 1988b), with the main rock types including massive and pillowed mafic volcanic flows, felsic volcanic flows, mafic, intermediate and felsic tuff breccias, lapilli and ash tuff, synvolcanic gabbro dykes, synvolcanic quartz-diorite dykes and sills, quartz-feldspar porphyry and quartz porphyry dykes.

Massive mafic volcanic flows vary from medium green to medium grey-green, with lighter colours reflecting an increase in hydrothermal alteration. Flow top breccias are also observed locally (Lengyel, P., 2008).

Pillowed flows occur mainly in the east half of the property, extending east from the Bonanza/Redeemer shaft area into Wabigoon Lake. The pillowed flows are often variolitic (Lengyel, 2008) and appear to coincide with a magnetic low region that extends east through the south half of Wabigoon Lake.

Mafic, intermediate and felsic volcanoclastics are highly variable in composition and grain size and range from clast- to matrix-supported (Lengyel, P., 2008). Clast sizes vary from 25 cm down to <1 cm but are typically 3-5 cm in diameter. Clast composition varies from intermediate (medium grey) to felsic (buff to cream coloured); however,

there are also what appear to be mafic clasts in the Pritchard Lake/Flambeau Lake area that are commonly recessively weathered and composed of chlorite, magnetite and ankerite, commonly in a bimodal mix with intermediate to felsic clasts.

Several volcaniclastic units contain what appear to be sedimentary clasts that are pebble-sized, rounded and matrix-supported. These may be similar to Timiskaming-type conglomerates.

7.1.2 Alteration

The strongest and most persistent alteration occurs in in corridors along an east-west central altered zone ~8 km long by ~250-500 m wide that passes through the Lost, Bonanza, Good Luck, Drake, Little Jumbo mines, as well as the Flambeau deposit area. Alteration is defined by varying degrees of chlorite-white mica- ankerite-calcite fracture fill and occurs irrespective of rock type. Additional east-west trending zones of chlorite ± ankerite-calcite alteration flank this main trend to the north and south. Additional chlorite-calcite alteration occurs in the northwest end of the property and is spatially associated with the Vanlas deposit.

Vein infill and pervasive silicification occurs along the central altered zone and locally throughout the property. Pervasive silicification is less well-defined due to the variability in primarily lithology and irregular distribution but is generally widespread as indicated by the occurrence of quartz veins throughout the property. Follow up mapping by the OGS in the 1980’s (Scheinbein, R. and Parker, J.R., 1988b) identified 170 separate quartz vein occurrences, the majority of which have not been adequately explored. The large footprint of quartz veins is consistent with widespread hydrothermal alteration. Whole rock and geochemical analysis from the 2008 program showed elevated loss on ignition (LOI), and major elements (including SiO₂) that further support the observed and interpreted widespread alteration (Lengyel, 2008).

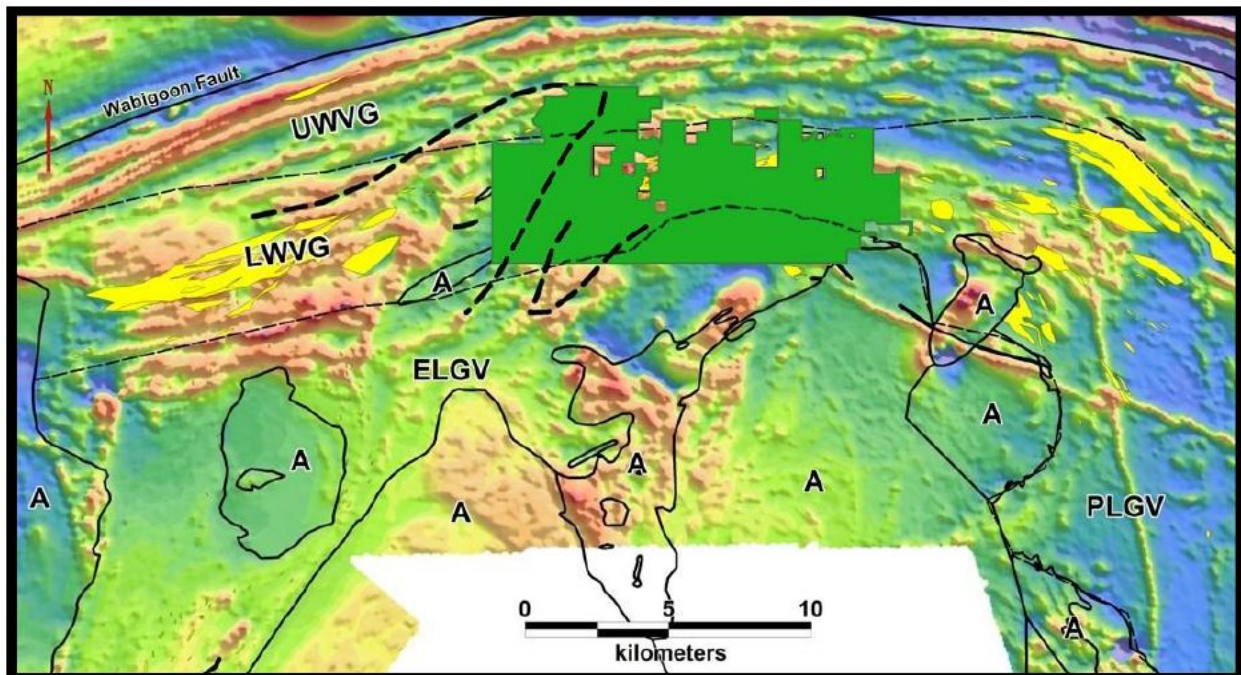


Figure 7: Total Field Magnetics (Lengyel, P., 2008). Mapped felsic volcanic units in yellow, Atikwa intrusions marked by “A”, interpreted antiform/synform in dark dashed line.

7.2 Mineralization

Van Horne hosts a cluster of documented gold occurrences that follow a 12 x 3 km east-west trend between Eagle and Wabigoon lakes (Figure 8). Gold mineralization within and close to the property occurs in quartz-ankerite ± tourmaline ± chlorite ± magnetite ± sulphide (pyrite, chalcopyrite, galena, sphalerite, molybdenite) vein arrays within brittle-ductile deformation corridors (Joliffe, T.S., 1984). Visible gold is reported from several localities, with gold mineralization extending beyond the property along strike to the west in Eagle Lake and to the southeast through the Contact Bay area.

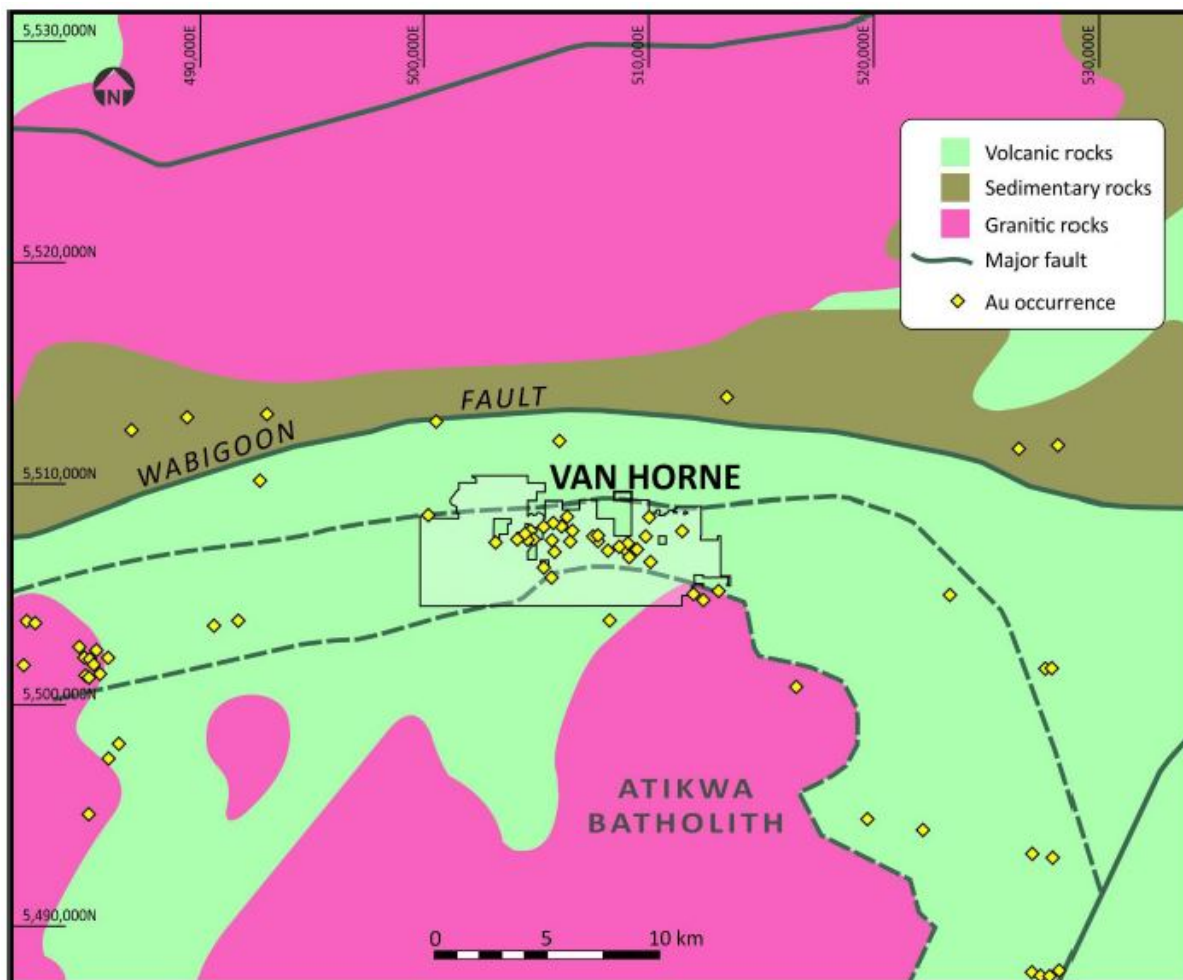


Figure 8: Gold occurrences in the Van Horne Area (Carr, I., Baker, D., 2018)

The deformation corridors are east-north east trending; the general orientation has been interpreted to reflect the transposition of the main penetrative fabric parallel to the margin of the ovoid shaped Atikwa batholith to the south (Joliffe, T.S., 1988), and failure along the major contact at the poorly defined base of the lower Wabigoon volcanics. The host faults are all reported to be north dipping with no documented plunge controls.

Fault zones typically host syn- to late-tectonic felsic porphyry dykes and mafic lamprophyre dykes. The intrusives may reflect a continuum from typical calc-alkaline (sanukitoid) intrusions, such as feldspar porphyry, to alkalic compositions like lamprophyre. Syntectonic sanukitoid to alkalic intrusions are a key geological component of productive gold districts at Timmins, Kirkland Lake, Larder Lake, and Val D’Or (Beakhouse, 2007). One of the diagnostic indicators of these late intrusions is the presence of magnetite and sulphides. Both minerals are widespread throughout the veins and lithologies at Van Horne.

8.0 Exploration Program 2019

In 2019 KG Exploration (Canada) Inc. became the operators of the property as set out in the option agreement with Pure Gold Mining and carried out an exploration program that consisted of three distinct phases; geological mapping and sampling, overburden stripping and channel sampling and diamond drilling. The objective of this program was to follow-up on targets identified in 2018 and complete follow-up work in these target areas while also identifying potential new areas of interest. Field work was completed by Clark Exploration on behalf of KG Exploration (Canada) Inc.

All exploration activities performed during the 2019 field program were completed under Permit Number: PR-18-000286.

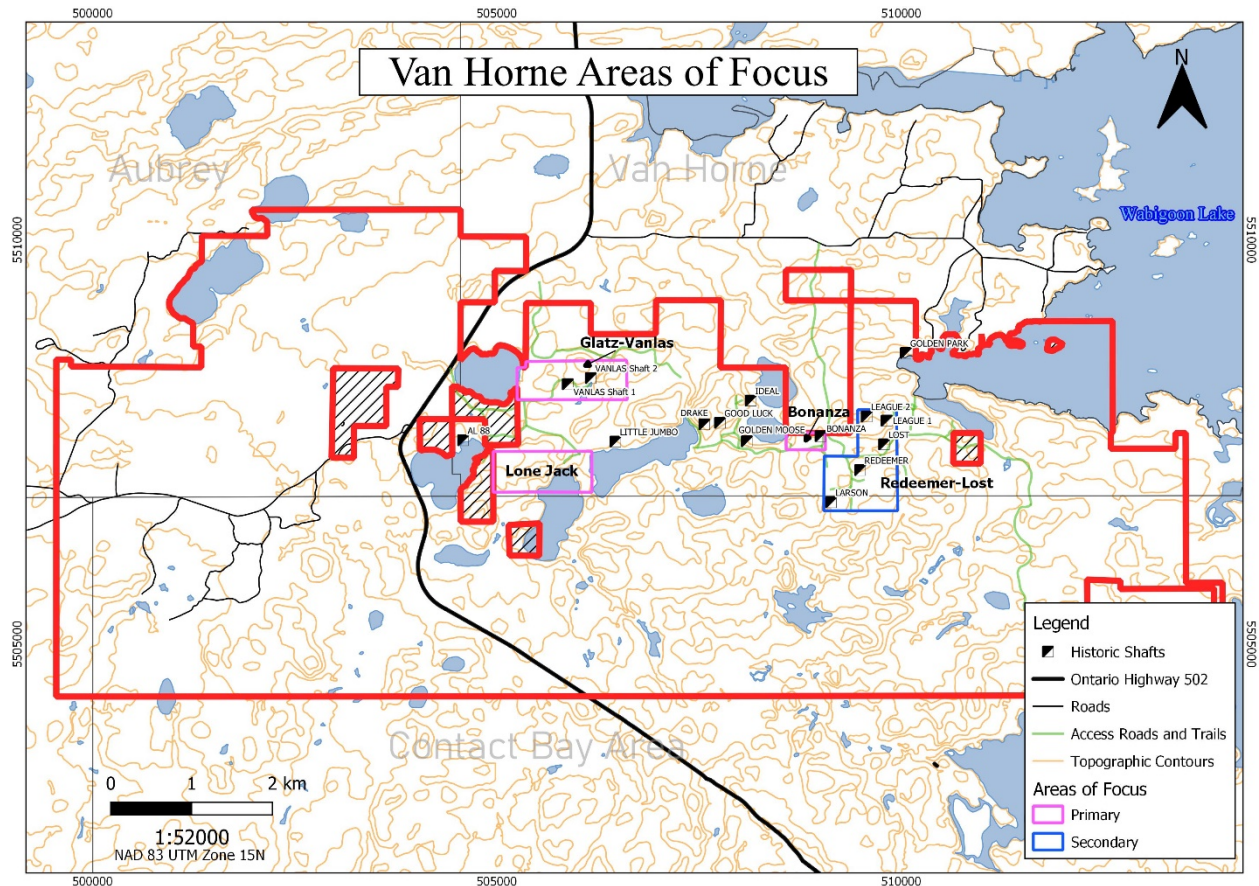


Figure 9: 2019 Exploration Program, Areas of Focus

8.1 Geological Outcrop Mapping

Within Phase 1 of the 2019 exploration program, detailed lithological and structural mapping was carried out on four primary target areas throughout the property (Bonanza, Glatz, Vanlas and Lone Jack) (Figure 9). Mapping was completed by a field team of six personnel including three geologists, two assistants and one summer student. The aim of the program was to map in detail each target area, focusing on mineralization, alteration and potential structural corridors. It is through this initial phase that areas were highlighted for further follow-up to be carried out in Phase 2.

8.1.1 Mapping Procedures

Outcrops were recorded digitally using a Samsung Galaxy Tab Active2 Tablet which ran the Avenza Mapping software and utilized an internal geographic positioning system which was then referenced against a hand-held

Garmin GPS to provide quality control on location accuracy. Outcrops were digitized by carrying the tablet around the perimeter of the exposure and recording the details in a pre-defined data table which included, lithology, alteration, structure, and mineralization codes to standardize field descriptions. Structural information was recorded utilizing a field compass and was entered digitally into the data table. Field teams were also able to add additional comments if needed.

8.1.2 Rock Sampling and Geochemical Assay

To validate historical and contemporary data, and to identify new targets with potential for further exploration, 188 rock samples were collected throughout the property. At least a “two fist size” portion of rock was collected from each sample location, then placed in a polyethylene bag with a unique sample tag and tied closed. Most samples of vein material typically included a limited amount of vein wall material. Grab sample locations were taken using a Garmin GPS. A metal tag, inscribed with the sample number was tied to a representative piece of rock and left in the location of the sample, while a piece of fluorescent tape was hung above the sample location.

For shipping to the analytical lab, samples were packaged into rice bags (6-7 per bag). Standards and blanks were inserted into the grab sample stream at approximately 1 in every 20 samples and account for 7% of the submitted samples. Each rice bag was sealed with a ziptie and transported to ALS Laboratories, Geochemistry – Thunder Bay via Gardewine Transport or Clark Exploration personnel.

Rock (Grab) Sample descriptions are present in Appendix D and certificates of analysis are present in Appendix E.

8.2 Stripping, Detailed Mapping & Channel Sampling

As part of Phase 2 of the 2019 Van Horne Exploration Program, three stripping areas; Glatz East, Glatz West and Bonanza were completed as a result of the work completed during Phase 1. The area to be stripped in Bonanza was selected based on the large-subparallel east-west trending quartz veins that had been historically sampled and in one area, blasted, while in Glatz the stripping areas were selected based on structures observed in the form of east-west quartz veins and north-west trending extensional veins during the geological mapping program. Each of these areas had yielded anomalous gold values in samples collected in both the 2018 field program and Phase 1 of the 2019 field program.

A total of 9,816 m² of trenching was completed during the program. Areas were flagged out prior to excavation and washed afterwards using a high pressure Wajax. Detailed mapping was then carried out during which areas for channel sampling were highlighted and completed. Field personnel remained in the vicinity through each stage of the stripping process.

8.2.1 Earthworks

Stripping of the Glatz East and West outcrops was contracted to Hutchinson Contracting Limited of Dryden, Ontario who utilized a 320 Caterpillar excavator, while the Bonanza stripping was contracted to Wildwood Contracting of Dryden, Ontario who utilized a Timberjack Buncher to remove any trees and a John Deere 225 RTS to remove the overburden.

8.2.2 Rehabilitation

Wildwood Contracting was used for reclamation of the Bonanza area at the end of the program. Re-seeding is scheduled to occur in spring 2020.

8.2.3 Detailed Mapping

Following the completion of mechanical stripping and washing, detailed mapping was carried out on each of the new exposures. These maps were completed using a physical grid coordinated using a wheel measuring tape and

Garmin GPS. Shapefiles of the new exposures were created by walking the extents of the stripped area with the tablets and using their internal GPS and the Avenza software. Drone imagery of the Glatz West, Glatz East and Bonanza exposures was flown and produced by the Metal Earth field team working in the Dryden area and provided to the Clark Exploration and KG Exploration team. Mapping of the exposures was carried out by a geologist and an assistant and aimed for consistency in terminology with that used during the outcrop mapping phase. Channel samples were subsequently marked up on the new exposures by the mapping geologist with assistance from other geologists on the program.

8.2.4 Channel Sampling and Geochemical Assays

A total of 469 channel samples were collected from four target areas (Bonanza, Glatz West, Glatz East and Lone Jack). The sampling targeted structures that were thought to be gold bearing (quartz veins, shear zones, etc.). The samples were taken perpendicular to any dominating structure and would include a shoulder sample on each side of the structure. In some cases, channel samples were extended beyond the dominate structure to include samples of the wallrock if the geologist noted mineralization or deemed it appropriate to obtain. Samples ranged from 0.30 to 1.1m in length, with one 1.5m sample. These channel samples were cut by two field assistants using a gas cut-off saw.

For shipping to the analytical lab, samples were packaged into rice bags (6-7 per bag) for shipment. Standards and blanks were inserted into the grab sample stream and account for 9% of the submitted samples. Each rice bag was sealed with a zip tie and transported to ALS Laboratories, Geochemistry – Thunder Bay via Gardewine Transport or Clark Exploration personnel.

Channel Sample descriptions are present in Appendix H and certificates of analysis are present in Appendix I.

8.3 Diamond Drilling

Sixteen NQ diamond drill holes, totalling 3,527 m, were drilled from August 8th to October 4th 2019. Drilling was conducted by Distinctive Drilling Services Inc. (“Distinctive”), utilizing a skid mounted diamond drill and supported by a John Deere 648 skidder and serviced by light trucks and a tracked carrier.

Core was logged for geological and geotechnical information and sampled at a secured indoor garage located in Dryden, Ontario, a 25-minute drive from the property.

8.3.1 Earthworks

Four drill pads with access routes were created on the east side of the property by Wildwood Contracting of Dryden, Ontario using a timberjack feller buncher and John Deere 225 RTS. On the west side of the property eight drill pads with access routes were created by Hutchinson Contracting Limited of Dryden, Ontario using a 320 caterpillar excavator. Reclamation at the end of the program included backfilling sumps, removing timber and garbage and evening out access routes and drill pads in preparation for them to be reseeded in the spring.

8.3.2 Collar and Downhole Surveys

Drill hole collars were sighted using a combination of hand-held GPS (for location) and Silva compass (for azimuth). Compasses were set to a declination -1°. The drill rig was positioned over the collar and aligned using a Reflex TN14 Gyrocompass. The Reflex TN14 gyrocompass is a north seeking tool that provides high accuracy (+/- 0.3°) alignment.

During drilling, holes were surveyed 3m below casing using a Reflex Gyro Sprint IQ which is a north-seeking gyro tool operated in multishot mode. Surveys were taken every 30 m after the first test below casing. Upon completion of drilling, a survey was taken on the way out using the Reflex Gyro Sprint IQ in multishot mode every 9 meters from the bottom to the top of hole.

Following drilling, holes were capped with an aluminium plug stamped with the hole ID and marked with a flagged picket. After completion of the program, final drill hole locations were recorded using the Waypoint Averaging mode on a handheld Garmin GPS. Final collar locations are presented in Table 4 and 5.

8.3.3 Core Orientation

Drill core was oriented for structural measurements in all of the 2019 drill holes from the base of overburden until the end of hole (EOH). The bottom-of-hole orientation mark was placed by the drill crew using a Reflex ACTIII core orientation system. Following transport to the core shack, geotechnicians realigned the core and drew a blue orientation line if the bottom of hole mark could be accurately related to the rest of the drill run. Orientation lines were transposed onto adjacent runs if the start or end of the runs could accurately fit together. Alpha and beta angles of structural features were recorded where they could be determined.

8.3.4 Geological Core Logging

Geological 'quick-logs' were produced for real-time lithological information by the on-site project geologist as core was delivered to the core shack at the beginning and end of each day. The purposes of these logs was to rapidly identify lithologic units and major alteration and veining and their approximate (± 15 cm) position in the drill hole. The real-time data also gave supervising geologists a better idea on whether to continue or shutdown holes.

Geological information was entered directly into the MX Deposit core logging software. Features were recorded based on their start and end depths to centimetre accuracy within the drill hole, measured along the core axis.

Lithologic units were identified and assigned a predetermined lithology code designed to standardize the lithologies on the property between surface mapping and drill core logging. Additional lithologic information entered in the log included texture, grain size, colour and any other descriptive modifiers or comments.

Alteration type and style were recorded based on visual observations of mineralogy, distribution and intensity. Structures such as faults, foliations, contacts and veins were also recorded, and their alpha and beta angles were measured where possible.

The presence of gold, sulphides and any other notable mineralization were recorded in from-to intervals as well, in addition to their estimated percent, abundance and style.

8.3.5 Geotechnical Core Logging

Geotechnical data collected from the core included rock quality designation (RQD), total core recovery (TCR), and magnetic susceptibility. With each parameter recorded in the MX Deposit software.

Total Core Recovery (TCR) is the amount of core recovered, measured from core block to core block. Fractured core was re-assembled, and rubble was pushed into an approximate core volume prior to measuring.

Rock Quality Designation (RQD) was also measured from core block to core block, comprising the sum of all naturally fractured core lengths >10 cm in length divided by the run length. Natural fractures include breaks that are inherent to the lithology (e.g. joints) but not mechanical breaks generated by drilling.

Magnetic susceptibility was measured using a KT-10 Kappameter, taking a reading every metre.

8.3.6 Geochemical Sampling and Assay

Drill core samples ranged from 0.3m to 1.5m in length. Core samples were selected based on observations made by the logging geologists. Core samples were obtained by cutting the core parallel to the core axis with a Vancon saw fitted with a diamond blade along a cut line which was drawn on by the logging geologist. The core was then placed into labelled plastic sample bags with unique sample tags and ID's that were then stapled closed. For shipping to the analytical lab, samples were packaged into rice bags (6-7 per bag) for shipment. Standards and blanks were inserted into the grab sample stream and account for 9% of the submitted samples. Each rice bag was sealed with a zip tie and

transported to ALS Laboratories, Geochemistry – Thunder Bay via Gardewine Transport or Clark Exploration personnel.

In addition to the regular analyses, geologists while logging would take note of unique lithologies observed throughout the hole and specify those samples to be sent for specific gravity via ALS using a pycnometer (OA- GRA08b).

If visible gold was encountered, special protocol was undertaken which included inserting a blank immediately after the sample containing visible gold and a high-grade certified reference material further down in the sample series.

9.0 2019 Exploration Program Results

9.1 Bonanza Area Mapping

Mapping done in the Bonanza area was completed at roughly a 1:250 scale over a 14 day period (Figure 10). One field team consisting of a geologist and assistant mapped 61 outcrops and collected 20 grab samples. Two sub-parallel east-west trending vein sets were mapped and sampled in the central portion of the Bonanza target area. These structures had been sampled intermittently in recent programs and the southern most structure had been historically blasted and trenched. Other smaller veins were discovered and sampled in the Bonanza area, most of which had a similar east-west trend with increased alteration and deformation on the vein margins. Lithologies encountered were consistent with those found on historic maps. Volcanic units dominated the area, with a volcanoclastic unit appearing towards the eastern portion of the area, proximal to the historic Bonanza shaft.

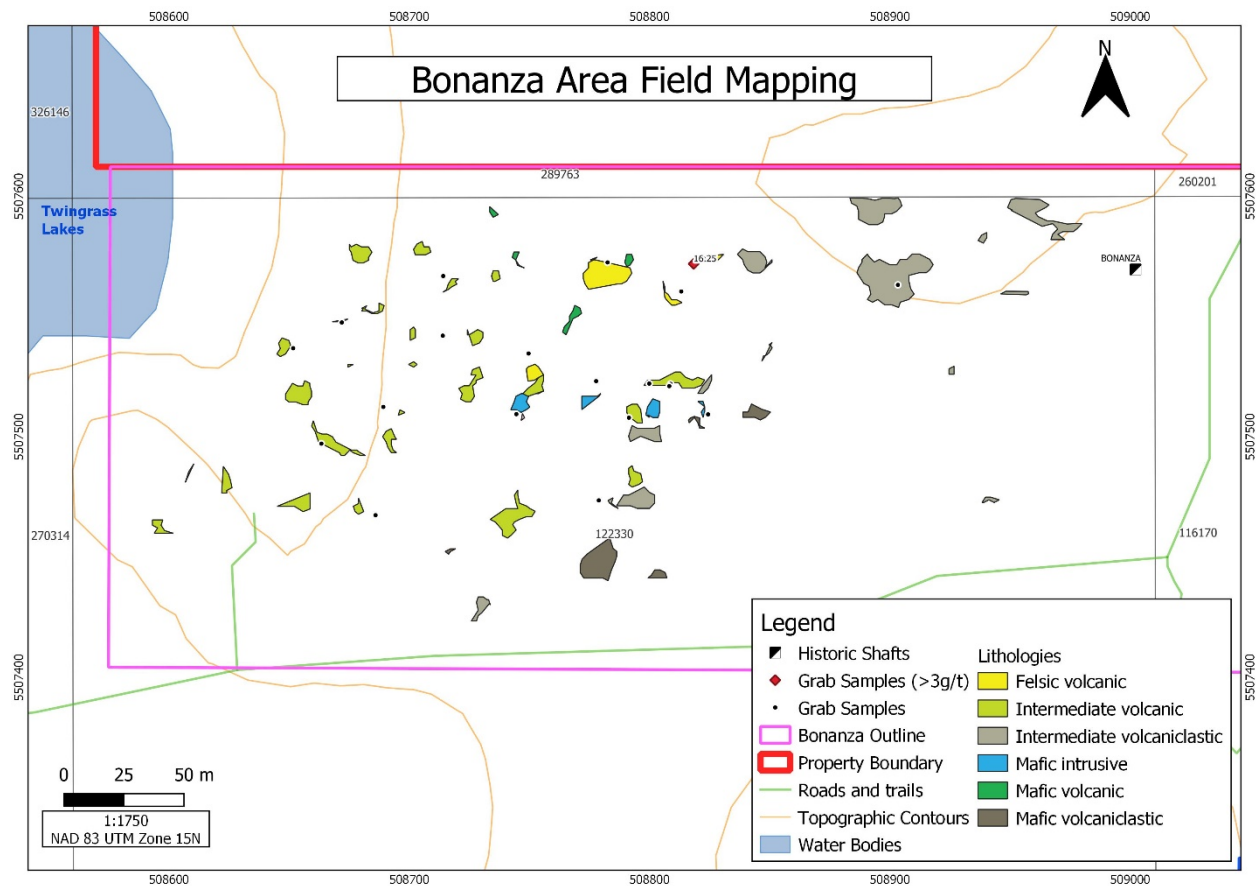


Figure 10: Bonanza Outcrop Mapping and Sampling during 2019 field program

9.2 Glatz-Vanlas Area Mapping

Outcrop mapping in the Glatz-Vanlas area was done at approximately a 1:250 scale (Figure 11). Mapping in this target area was completed in two phases. The first phase focused on the western portion of the Glatz-Vanlas target area (Glatz) in order to identify potential targets for stripping. Over this time 58 outcrops were mapped by two field teams over a span of 6 days, with 16 grab samples collected. The second phase, later in the program, focused on the eastern portion of the target area (Vanlas). Any potential targets found during this phase will be evaluated in future programs. Mapping in this area was focused around the known gold occurrences, and samples were taken confirming the presence of gold in those areas. Two field crews spent a total of 14 days mapping 74 outcrops and collecting 27 grab samples.

Across the Glatz-Vanlas area, east-west trending quartz veins were dominant. This along with a persistent east-west foliation found in the area, was consistent with orientation of foliation found throughout the property. In some cases, sets of northwest trending extensional veins were found intersecting or proximal to larger east-west veins. The area where this was most prominent was selected as a stripping target (Glatz West). Another area displaying these vein sets and yielding anomalous samples was found in the south-east corner of the target area. These veins had strong deformation along margins and appeared to be a repeating set. This area is flagged as a potential target for further evaluation in future programs.

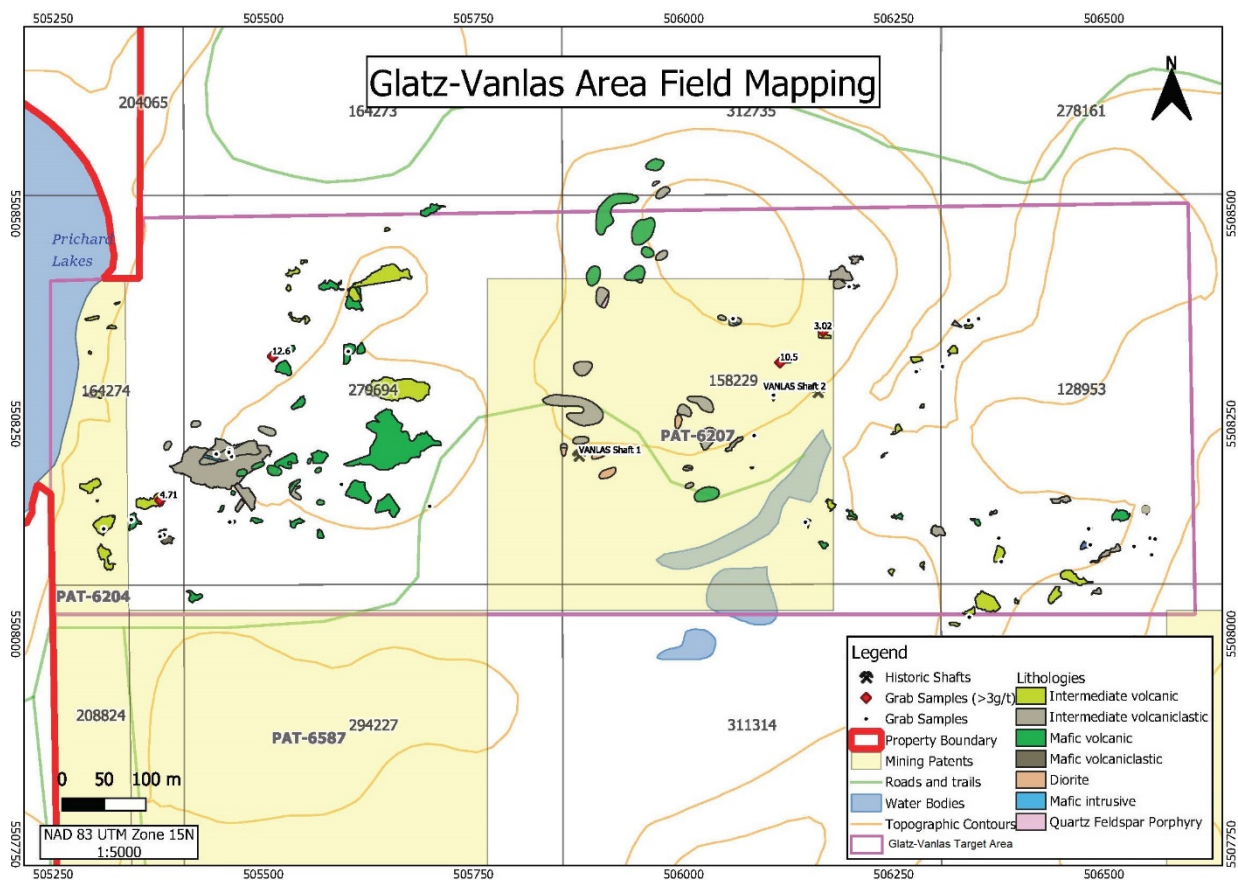


Figure 11: Glatz-Vanlas Outcrop Mapping and Sampling during 2019 field program

9.3 Lone Jack Area Mapping

Mapping in the Lone Jack area was completed at a 1:250 scale (Figure 12). To facilitate mapping in this area, a 250 m trail was flagged into the Lone Jack showing. Hutchinson Contracting Limited of Dryden, Ontario used a Caterpillar excavator to create a UTV trail. Over a 16-day period, 141 outcrops were mapped with a total of 35 grab samples collected. The area is dominated by intermediate volcanoclastic rocks. A mafic unit, is present in the

northwest part of the area and mafic volcanic rocks, including pillowed flows, are present in the east and southeast part of the area. The historic Lone Jack showing occurs in a quartz-feldspar porphyry (QFP), with several QFP dikes occurring throughout the area (Lewis, 2019).

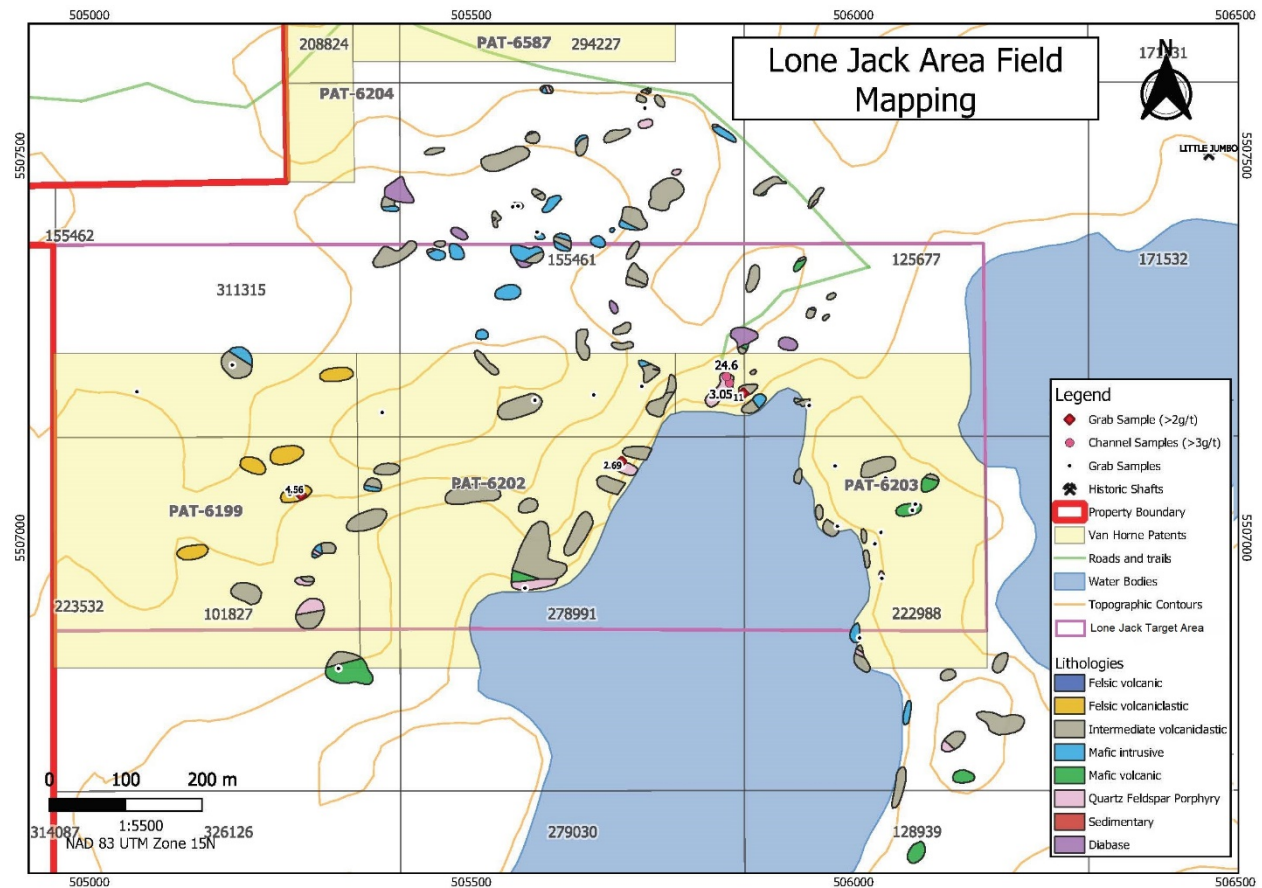


Figure 12: Lone Jack Outcrop Mapping and Sampling during 2019 field program

9.4 Redeemer-Lost Area Mapping

Mapping in the Redeemer-Lost area was completed at a 1:250 scale (Figure 13). The mapping was performed by one geologist and one assistant who mapped 210 outcrops over 20 days with 88 grab samples taken. Mapping in this area was focused around the historic shafts. The local geology is dominated by mafic volcanic with lesser intermediate volcanoclastic rocks. Minor polymictic conglomerates and a variety of intrusive rocks, especially gabbro and QFP dikes, are also present. The volcanic rocks traced along strike, commonly exhibit preserved flow facies (massive-pillowed-autobrecciated). The volcanoclastic rocks were differentiated by the conglomerates primarily through clast type: the volcanoclastic rocks contain monomictic clasts, whereas the conglomerates contain angular polyolithic clasts, including bedded and foliated clasts (Lewis, 2019). Targets generated in this area have the possibility of being developed in the 2020 exploration program.

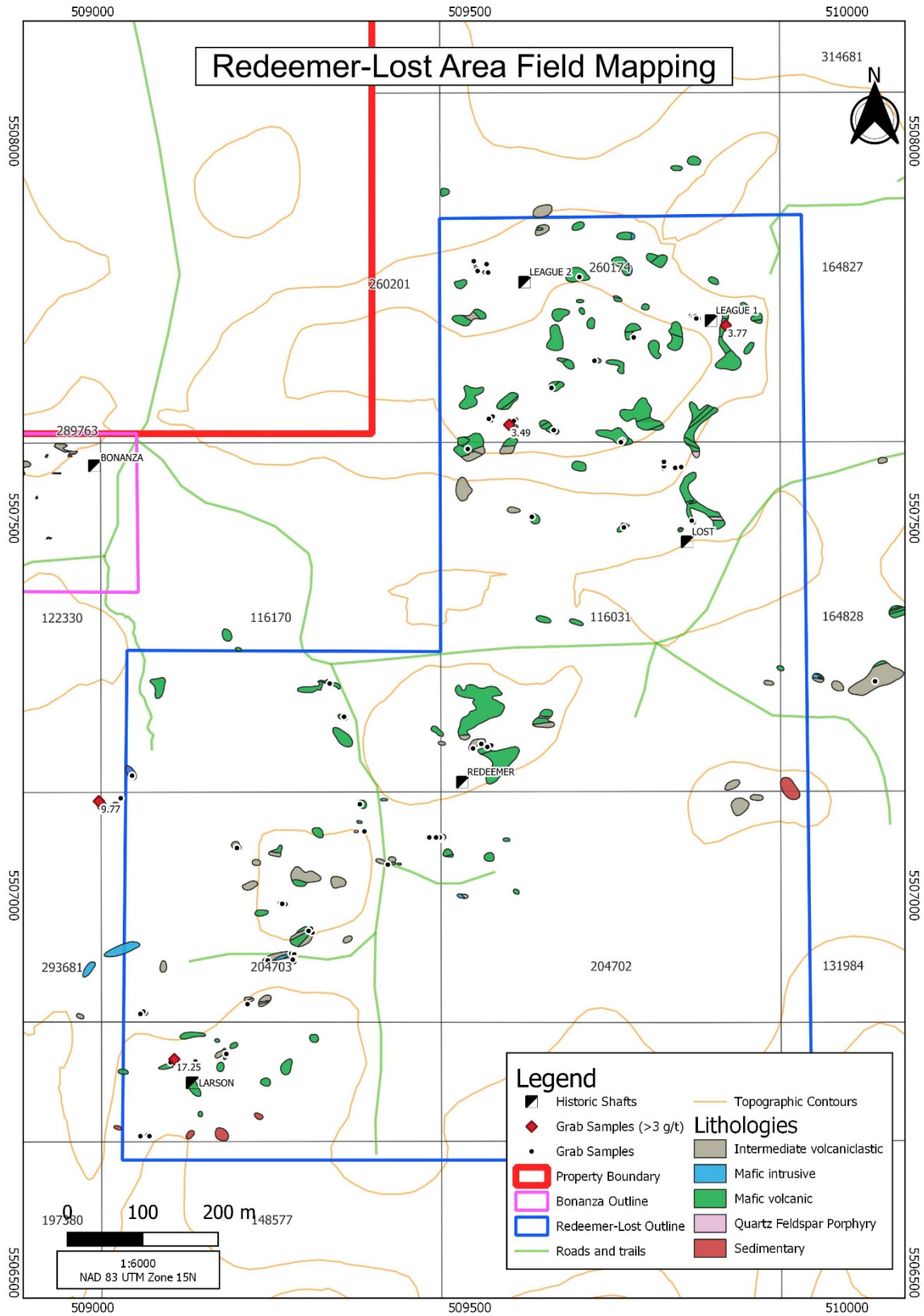


Figure 13: Redeemer-Lost Outcrop Mapping and Sampling during 2019 field program

9.5 Structural Mapping

During the 2019 exploration program an independent consultant focusing on structure was hired by KG Exploration (Canada) Inc. to be a part of the 2019 field team. The objective for this consultant was to map the selected target areas on the property, provide assistance and guidance to other field mapping teams, complete detailed outcrop maps of the areas exposed by stripping and develop a structural model of the area, specifically surrounding the targets which were focused on in 2019.

Below is a summary of their findings:

“Two phases of deformation control the geometry of the rocks at the Van Horne property. Early (D1), shallowly-plunging folds are associated with a steeply-plunging stretching lineation and flattening foliation. Late (D2), steeply-plunging S-shaped asymmetric folds, sinistral and dextral faults and a micaceous foliation overprint the early deformation. Gold mineralized veins, including both fault-hosted and extensional veins, are genetically related to the late deformation. Mineralized zones occur primarily within short limbs of the asymmetric F2 folds, especially near rock contacts. Folds with the largest amplitude, such as at the historic Redeemer mine site, and rock contacts with the highest difference in competency, such as the contact between competent felsic volcanic and relatively incompetent intermediate volcanoclastic rocks, are interpreted to be the best targets for exploration.

All studied gold occurrences known as Glatz, Vanlas, Larson, Redeemer, Lost and League, occur as narrow, orogenic D2 fold / fault systems at, or near, lithological contacts. The Lone Jack occurrence is slightly different, where gold-bearing extensional quartz veins are hosted within a plug of quartz-feldspar porphyry, but the veins are interpreted to have been formed during the same D2 folding / faulting event.” (D.Lewis, 2019)

The full results of this work can be found in Appendix F.

9.6 Rock Sampling

188 grab samples and 469 channel samples were collected as part of the outcrop mapping and stripping phases of the program. Significant gold values were returned with grades up to 17.25 g/t in grab samples and 24.6 g/t in channel samples. These samples were collected from historical occurrences and from new prospects. Grab samples taken from quartz veins displaying strong ankerite alteration, tourmaline, pyrite, occasional arsenopyrite and deformation along margins produced the highest grades. Although no direct correlation has been made samples displaying upwards of 3% sulphide mineralization often returned anomalous gold values.

9.7 Bonanza Stripping and Sampling

The goal of this stripping (6,554m²) was to expose the large east-west trending quartz veins sampled during Phase 1. The stripped area was designed to have three north-south trending (perpendicular to strike) sections which hoped to uncover any repeating structures and/or the continuation of the historic Bonanza vein. Roughly 100m of each of the two major veins was exposed along strike in the centre portion of the stripping. These veins pinched and swelled along the exposed area. Smaller north-west trending extensional veins were observed branching off from both major veins. A large medium grained mafic intrusive unit striking sub-parallel to the veins appeared to separate the two.

Smaller east-west vein structures were uncovered in all three north-south trench sections and appeared to be similar mineralogically to the main vein sets. Most notable of these three occurrences was the exposure of the extension of the historic Bonanza vein which after washing was 0.3m and occurred at the edge of the historic trench. In the north-west extension of the stripping, another quartz vein (0.5m) was exposed which looked to have been historically blasted. 189 channel samples were collected from the Bonanza exposure, in intervals along strike in order to gauge mineralization variation along the strike length of the veins. Extensional veins were also sampled.

Stripping map can be found in Appendix G.

Table 2: Significant Grab Sample Results

Focus Area	Sample ID	UTM Easting	UTM Northing	Date	Type	Au (ppm)	Certificate
Bonanza	A0050018	508818	5507572	12-May-19	Outcrop	16.25	TB19198682
Vanlas	A0050033	506550	5508148	16-Jun-19	Outcrop	3.18	TB19148561
Vanlas	A0050041	506166	5508360	20-Jun-19	Outcrop	3.02	TB19198682
Vanlas	A0050043	506115	5508323	20-Jun-19	Outcrop	10.5	TB19233616
Lone Jack	A0050516	505856	5507189	31-Jul-19	Outcrop	11	TB19122706
Lone Jack	A0050518	505277	5507056	1-Aug-19	Outcrop	4.56	TB19198682
Redeemer-Lost	A0050533	509839	5507756	8-Aug-19	Outcrop	3.77	TB19240223
Redeemer-Lost	A0050568	509108	5506783	26-Aug-19	Outcrop	17.25	TB19151021
Redeemer-Lost	A0050588	509008	5507125	29-Aug-19	Outcrop	9.77	TB19233616
Redeemer-Lost	A0050594	509552	5507624	31-Aug-19	Outcrop	3.49	TB19122706
Glatz West	A0051005	505377	5508159	17-May-19	Outcrop	4.71	TB19233616
Glatz West	A0051007	505511	5508330	18-May-19	Outcrop	12.6	TB19122706
Lone Jack	A0051077	505697	5507099	8-Sep-19	Outcrop	2.69	TB19151021

Table 3: Significant Channel Sample Results

Location ID	Sample Length (meters)	Sample ID	UTM Easting	UTM Northing	Date	Au (ppm)	Certificate
Lone Jack	0.5	A0050726	505833.677	5507210.954	21-Jul-19	24.6	TB19181129
Glatz West	0.5	A0050375	505366.067	5508157.608	11-Jul-19	17.45	TB19172568
Glatz West	0.5	A0050323	505372.973	5508157.832	6-Jul-19	7.82	TB19168553
Glatz West	0.5	A0050373	505366.04	5508158.618	11-Jul-19	7.6	TB19172568
Glatz West	0.6	A0050355	505376.339	5508120.341	9-Jul-19	6.41	TB19168553
Glatz East	1	A0050674	505668.239	550813.821	12-Jul-19	5.8	TB19172568
Glatz West	0.5	A0050332	505378.292	5508155.632	8-Jul-19	5.58	TB19168553
Glatz West	0.5	A0050817	505390.505	5508106.309	3-Aug-19	5.44	TB19198681
Bonanza	0.5	A0050265	508737.80	5507577.32	5-Jul-19	5.06	TB19168434
Glatz West	0.6	A0050313	505369.386	5508157.023	6-Jul-19	4.47	TB19168553
Glatz West	0.5	A0050793	505380.07	5508107.68	31-Jul-19	3.95	TB19198681
Bonanza	0.5	A0050278	508872.58	5507586.43	5-Jul-19	3.87	TB19168434
Glatz West	1	A0050752	505350.169	5508144.053	29-Jul-19	3.85	TB19198681
Glatz East	0.5	A0050603	505654.986	5508174.316	8-Jul-19	3.83	TB19169733
Glatz West	0.55	A0050310	505370.215	5508158.314	6-Jul-19	3.46	TB19168553
Glatz East	0.5	A0050661	505670.333	5508170967	12-Jul-19	3.43	TB19172568
Glatz West	0.5	A0050330	505378.921	5508156.695	8-Jul-19	3.37	TB19168553
Glatz West	0.6	A0050774	505362.979	5508152.975	31-Jul-19	3.36	TB19198681
Glatz West	0.6	A0050324	505372.645	5508157.33	6-Jul-19	3.31	TB19168553
Glatz East	0.5	A0050621	505628.433	5508180.166	9-Jul-19	3.19	TB19169733
Bonanza	0.5	A0050107	508730.02	5507513.49	15-May-19	3.05	TB19149898
Glatz West	0.5	A0050346	505383.229	5508106.841	9-Jul-19	2.81	TB19168553
Lone Jack	0.5	A0050708	505837.597	5507202.545	20-Jul-19	1.74	TB19181119
Glatz West	0.5	A0050318	505368.647	5508155.415	6-Jul-19	1.54	TB19168553

9.8 Glatz West Stripping and Sampling

This area was targeted due to the success of sampling done both historically and part of Phase 1 of the 2019 program. The stripping and washing exposed a 1,542m² area that showcased a series of repeating northwest trending quartz veins which had an average width of 0.05m. These veins repeated on both the north and south portions of the exposure roughly every 2.0m and are thought to be extensional in nature. The most notable portions of the outcrop are areas where these veins intercept with east-west trending and in the southern portion of the exposure north-south trending veins. In these areas, deformation is increased and an increase in mineralization and alteration was observed. The alteration is typically strong pervasive silicification and strong semi-pervasive ankerite alteration proximal to the quartz veins. Visible gold was noted in a sample taken of one of the extensional veins on the southern portion of the outcrop. Sample A0050355 displayed an abundance of specs including 3 blebs of visible gold along the margins of a 0.02m quartz vein. A total of 139 samples were collected from this exposure and included samples of veins of all orientations, altered wallrock and unaltered wallrock.

Stripping map can be found in Appendix G.

9.9 Glatz East Stripping and Sampling

This area was targeted after samples from Phase 1 and previous programs produced anomalous gold values. The stripping and washing exposed a 1,720m² area that follows a quartz vein/shear system with a predominately east-west orientation, however it becomes slightly oblique east-west orientation in the eastern portion of the exposure. The vein is hosted within a 7.0m wide strong ankeritic alteration zone in the centre of the exposure. The vein, along with the alteration halo, pinches out towards the west side of the trench to a width below 0.25 m. Within the alteration zone is an abundance of extensional quartz veins with a northwest orientation. Given the size, mineralogy and orientation, it is possible that these are related to the extensional veins seen in the Glatz West exposure. 72 channel samples were taken from the Glatz East exposure and were focused on the main east-west vein with samples also being taken of the extensional veins, strongly altered zone and unaltered wallrock.

Stripping map can be found in Appendix G.

9.10 Hand Stripped Exposures

Minor hand stripping and washing occurred between the two Glatz stripped areas to expose a 0.10m quartz vein that displayed moderate deformation on its margins and potential folding in some areas. 8 channel samples were collected in this area. There was no detailed mapping done on this exposure.

Hand stripping was also performed on the historic Lone Jack showing. The exposure of the showing was increased and channel samples were collected perpendicularly to the north-west trending veins. These channel samples spanned the extent of the exposure and continued onto a proximal outcrop that also hosted veins with similar orientation. 59 channel samples were collected. Visible gold was observed in sample A0050726. No detailed mapping was done of this exposure.

9.11 Diamond Drilling

3,252 (including QAQC) drill samples were collected during the 2019 drill program. These samples were collected in areas of mineralization, increased alteration or around structural features of interest. The best results were often obtained in deformation zones hosting quartz veins with increased alteration.

9.11.1 Bonanza Drilling

Seven holes, totalling 1,242 m were drilled in the Bonanza target area. These holes focused on the area exposed by the overburden stripping completed as part of Phase 2 of the exploration program. The layout of these holes was planned at a 50m east-west spaced layout to cover the full area. The seven holes were designed to intersect four

potential shear/vein systems within the area (Figure 14). The systems all have relative trends of 270-290° with steep northerly dips (-70°/-80°).

Geological drill logs can be found in Appendix J and drill hole cross sections can be found in Appendix K.

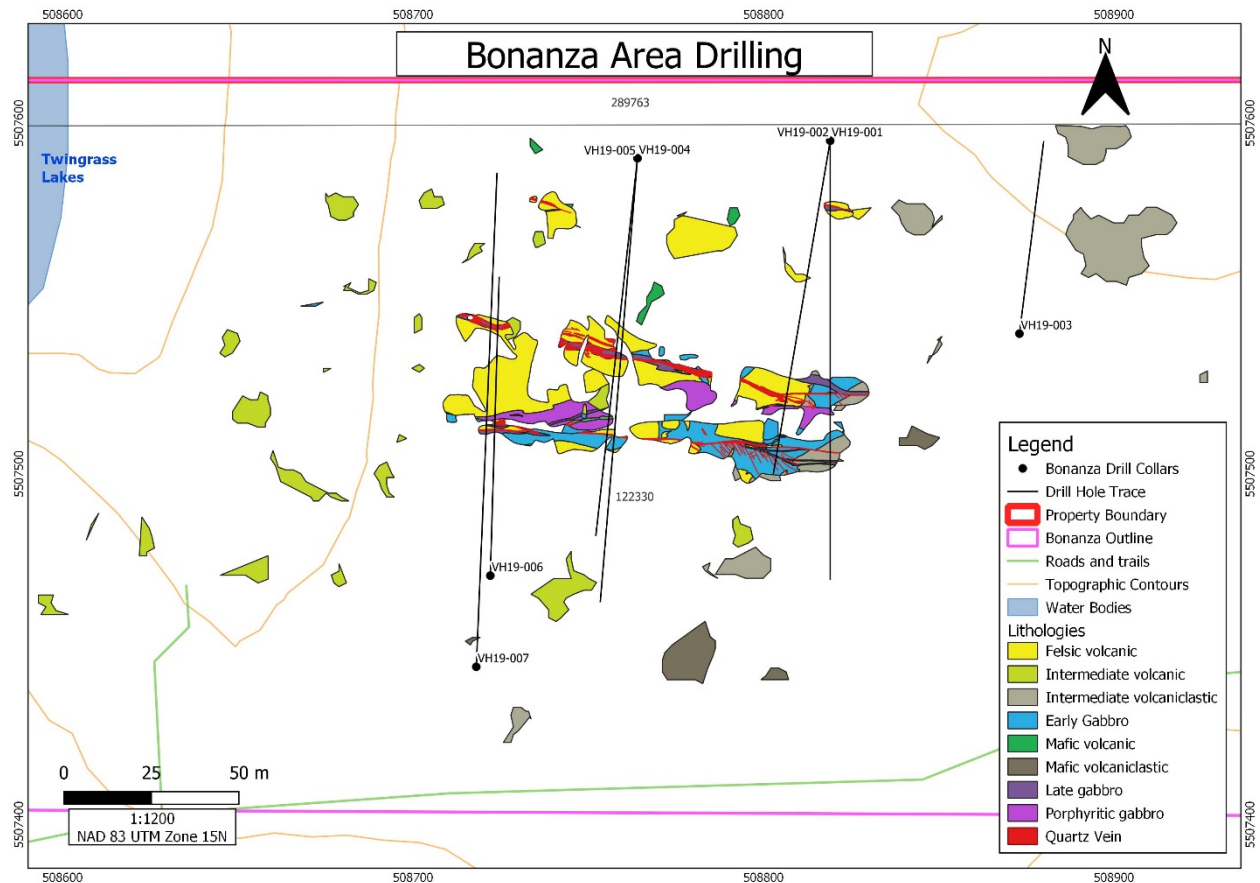


Figure 14: Bonanza Area Drilling Map including Hole Outlines

VH19-001 & VH19-002

These holes were drilled on the same pad and had an orientation of 180/-45° and 189.7/-55.1° respectively. The holes were designed to intersect the east-west trending structures mapped in early phases of the program.

Both holes displayed a volcanic sequence of repeating intermediate volcanoclastic and volcanic units consistent with those mapped out during early phases of the program. Strong to intense pervasive silica alteration made differentiating between mafic, intermediate and felsic classifications difficult. Quartz veins of notable thickness (~0.20 m) were encountered in both holes (two veins in VH19-001 and four in VH19-002). These were thought to be the below surface expression of the structures which were targeted, all of which were sampled. Foliation is consistent throughout the hole with volcanoclastic units exhibiting stronger foliation than the volcanic units. Deformation and alteration are consistent with some localized areas, mostly around veins, displaying stronger ankerite and silica alteration as well as stronger deformation.

VH19-003

This was a short hole (81 m) designed to target the historic Bonanza vein. Orientation of this hole was 7.2°/-47.1°.

This hole displayed a volcanic sequence consistent with what had been mapped in earlier phases of the program. Alteration and deformation were consistent throughout the hole. A large ~0.60 m quartz vein, displaying hematite,

pyrite and tourmaline mineralization was intersected at ~75.6 m depth. This intercept is assumed to be the Bonanza vein.

VH19-004 & 005

These holes were drilled on the same pad and had an orientation of 184.8 °/-45.2° and 186.3 °/-64.9° respectively and were designed to intersect the east-west trending structures mapped in early phases of the program.

The holes intercepted a volcanic sequence consistent with what had been mapped in earlier phases of the program. The geology consists of various volcanic units of differing composition and texture. Strong to intense, pervasive silica alteration made differentiating between mafic, intermediate and felsic classifications difficult. Multiple notable quartz veins were intersected in both holes. The most notable structure in these holes is the veined zone from 59.65-65.0 m in VH19-005. This zone which is made up of roughly 30% quartz veins and 70% host rock, displays multiple veins with a pyrite content of roughly 3% throughout the whole interval. Many of these veins host tourmaline and occasionally arsenopyrite. Most of these veins were irregular in orientation and hosted host rock inclusions.

VH19-006 & 007

These holes were drilled on the same large pad and had an orientation of 1.7° /-47.3° and 2.4° /--50° respectively. VH19-007 was collared 30 m south of VH19-006. These holes were designed to intersect the east-west trending structures mapped in early phases of the program.

The holes intercepted a volcanic sequence consistent with what had been mapped in earlier phases of the program. Both holes predominantly intercepted intermediate and mafic volcanic units with occasional volcanoclastic units early in both holes. Strong to intense pervasive silica alteration made differentiating between mafic, intermediate and felsic classifications difficult. Multiple notable quartz veins were intersected in both holes. The most notable in VH19-006 was within a deformation zone from 64.7-66.18 m. This moderate deformation zone displayed strong sericite alteration and pervasive moderate carbonate alteration. The zone is comprised of 50% quartz-carbonate-tourmaline-albite vein and 50% altered wallrock as inclusions in the vein. This same style of deformation-veined zones were seen in VH19-007 at depths of 71-71.8 m, 79.5-80 m and 114.4-114.86m.

9.11.2 Glatz West Drilling

Six holes, totalling 1,607 m were drilled in the Glatz West area. This area is located at the western end of the Glatz-Vanlas target area. The holes focused on the area exposed by the overburden stripping completed as part of Phase 2 of the exploration program. The holes were laid out as three 50 m spaced east-west holes along strike of the major structures (Figure 15). A straight south azimuth of 180 ° was used to target both the lithological contacts which were trending northeast and the southeast trending extensional veins which were found to be mineralized during the channel sampling phase. The holes were also designed to provide validity to the shallow historic anomalous gold bearing drill holes in the same area.

Geological drill logs can be found in Appendix J and drill hole cross sections can be found in Appendix K.

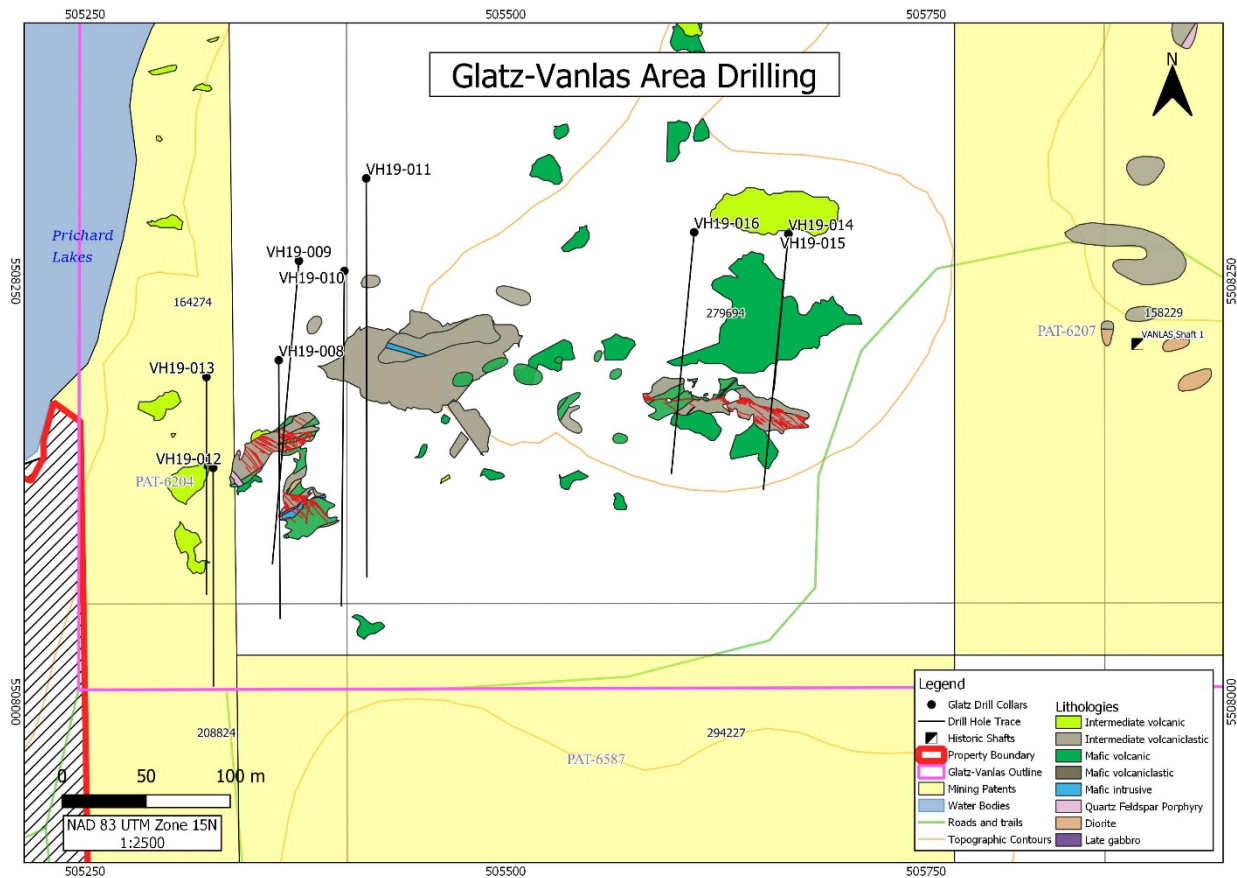


Figure 15: Glatz Area Drilling Map including Hole Outlines

VH19-008 & VH19-009

VH19-008 was drilled at an orientation of 179.7 ° /-45.3° and a depth of 218 m. VH19-009 was drilled at an orientation of 185 ° /-53° and a depth of 300 m. VH19-009 is located 60 m north of VH19-008 which resulted in a similar lithological cross section. Lithologies intersected in these holes reflected a volcanic sequence which consisted of intermediate volcanoclastic and volcanic units. These lithologies were crosscut by later quartz-feldspar porphyry intrusions. In these holes, four such intrusions were noted in each hole. Interpretation of the lithologies indicate consistency between the two holes. A notable deformation zone was intercepted in both holes occurring most intensely from 58.37-60 m in VH19-008 and 173-175 m in VH19-009. This deformation zone hosts 2% pyrite mineralization and quartz veins of varying widths (0.08 to .040 m). Strong sericite and potassic alteration can be seen in this deformation zone. Minor quartz veins can be seen throughout all units in both holes often mineralized with pyrite and occasionally tourmaline. Visible gold was seen along the margins of a 0.08 m wide quartz vein (185.66 metres) of VH19-009. This vein is hosted in a 2 m zone of increased sericite and silica alteration, with multiple 0.03-0.08 m thick quartz veins.

VH19-010 & VH19-011

VH19-010 was drilled at an orientation of 179.7 ° /-50.4° and a depth of 312 m. VH19-011 was drilled at an orientation of 179.7 ° /-50.1° and a depth of 369 m. VH19-011 is located 60 m north of VH19-010 which resulted in a lithological cross section. . Lithologies intersected in the holes reflect a volcanic sequence which consists of intermediate volcanoclastic and volcanic units. These lithologies were crosscut by later quartz-feldspar porphyry intrusions (1.35 to 18.99 m width). Deformation within the wallrock proximal to these QFP intrusions can be seen in both holes. Visible gold was seen along the margin of a 0.06 m quartz vein in VH19-011 217.78 m downhole.

VH19-012 & VH19-013

VH19-012 was drilled at an orientation of $179.7^\circ / -50.1^\circ$ and a depth of 207 m. VH19-013 was drilled at an orientation of $180^\circ / -50.1^\circ$ to a depth of 201 m. VH19-013 is located 60 m north of VH19-012 which resulted in a lithological cross section. Lithologies intersected in the holes reflect a volcanic sequence which consisted of intermediate volcanoclastic and volcanic units. These lithologies were crosscut by later quartz-feldspar porphyry intrusions. Both holes display strong alteration and deformation zones sometimes occurring with multiple quartz veins averaging 0.05 m. Most notable structures in VH19-012 are large quartz veins (0.30 to 1.00 m) at 55.5-56.5 m, 69-69.65 m and 86.12-86.45 m. The veins are deformed and show increased alteration at the margins. The larger veins in VH19-012 do not have the same width in VH19-013, though the hole hosts similar deformation-alteration zones with the quartz veins from 51.0-51.5 m, 74.75-74.89 m and 104.55-104.61 m.

9.11.3 Glatz East Drilling

Three holes, totalling 678 m were drilled in the Glatz East area. This area is located roughly 200 metres east of the Glatz West area. These holes focused on the area exposed by the overburden stripping completed as part of Phase 2 of the exploration program. Drill holes were spaced 50 m east-west along the strike of major structures with all holes having azimuths around 180 degrees. The azimuth targeted both the lithological contacts which were trending northeast and the extension veins trending southeast.

Geological drill logs can be found in Appendix J and drill hole cross sections can be found in Appendix K.

VH19-014 & VH19-015

These holes were drilled on the same pad and had an orientation of $185.6^\circ / -47.6^\circ$ and $185.6^\circ / -67.5^\circ$ respectively. The holes were designed to intersect the east-west trending vein with the wide alteration zone as well as the northwest extensional veins exposed by the Glatz East stripping.

Both holes intersected similar lithologies, displaying a volcanic sequence of repeating intermediate volcanoclastic and intermediate volcanic units. Both holes intersected an intrusive quartz-feldspar porphyry and were shutdown in a distinguished mafic volcanic unit. Notable intervals were seen in each hole, the first being found in VH19-014. This was a deformation zone hosting a quartz-tourmaline vein from 115.20-115.60m with 2% pyrite mineralization. A vein of similar mineralogy in a deformation zone was seen in VH19-015 from 145.10-145.30m. Another vein found from 213.19-213.49 m in VH19-014 seems to correlate to the extensive vein sets seen from 227-240 m in VH19-15. Neither of these zones are noted to have any sulphide mineralization. The most notable interval occurs from 70-81 m of VH19-015. The zone is comprised of multiple sets of crosscutting quartz veins, some displaying an abundance of tourmaline and lower percentages of pyrite mineralization.

VH19-016

VH19-016 was drilled with an orientation of $185.4^\circ / -46.7^\circ$. This hole planned to intersect the veins exposed in the Glatz East exposure. The hole is the western-most hole of the Glatz East drilling.

The lithologies intercepted in VH19-016 were similar to those found in VH19-014 and VH19-015, though a quartz-feldspar porphyry unit was not intercepted. No significant quartz veins or deformation zones were displayed in this hole. Though, from 198.75 to 203 m there was a weak quartz vein zone that held multiple 0.03 to 0.15 m thick quartz veins with some showing increased deformation.

Table 4: Bonanza Drill Holes Final Collar Location, Orientations and Depth

Bonanza Drill Holes							
Hole-ID	Claim Cell ID	UTM Easting	UTM Northing	Elevation (m)	Length (m)	Azimuth°	Dip°
VH19-001	122330	508819	5507595	387	177	180	-45
VH19-002	122330	508819	5507595	387	168	189.7	--55.1
VH19-003	122330	508873	5507540	396	81	7.2	-47.1

VH19-004	122330	508764	5507590	390	180	184.8	-45.2
VH19-005	122330	508764	5507590	390	255	186.3	-64.9
VH19-006	122330	508722	5507471	386	162	1.7	-47.3
VH19-007	122330	508718	5507445	382	219	2.4	-50

Table 5:Glatz Drill Holes Final Collar Location, Orientations and Depth

Glatz East and West Drill Holes							
Hole-ID	Claim Cell ID	UTM Easting	UTM Northing	Elevation (m)	Length (m)	Azimuth°	Dip°
VH19-008	164274, 208824	505365	5508203	350	218	179.7	-45.3
VH19-009	164274	505377	5508262	350	300	185	-53
VH19-010	164274	505404	5508256	350	312	180.5	-50.4
VH19-011	279694	505417	5508311	350	369	179.9	-50.1
VH19-012	PAT-6204	505326	5508139	350	207	179.9	-50.1
VH19-013	PAT-6204	505322	5508193	350	201	180	-50.1
VH19-014	279694	505668	5508278	350	225	185.6	-47.4
VH19-015	279694	505668	5508278	350	243	185.6	-67.5
VH19-016	279694	505612	5508279	350	210	185.4	-46.7

Table 6: Significant Results from the 2019 Van Horne Drill Program

Significant Results from the 2019 Van Horne Drill Program					
Hole-ID	From	To	Length	Au (ppm)	Au Grav (ppm)
VH19-001	6.50	8.00	1.50	2.88	2.86
<i>incl.</i>	7.39	8.00	0.61	5.63	5.59
VH19-001	124.80	126.00	1.20	1.31	N/A
VH19-002	8.00	10.00	2.00	N/A	5.93
<i>incl.</i>	8.00	9.00	1.00	>10	11.30
VH19-003	75.67	76.29	0.62	>10	19.25
VH19-004	15.84	16.33	0.49	2.80	N/A
VH19-004	98.59	99.60	1.01	1.79	N/A
<i>incl.</i>	98.59	99.10	0.51	2.77	N/A
VH19-005	143.00	144.00	1.00	1.17	N/A
VH19-008	65.00	98.00	33.00	1.41	1.40
VH19-008	65.00	82.00	17.00	2.20	2.01
<i>incl.</i>	65.00	73.00	8.00	4.26	3.85
<i>with</i>	68.00	73.00	5.00	6.37	5.71
<i>and</i>	70.00	71.00	1.00	>10	16.40
VH19-008	90.00	98.00	8.00	1.10	1.47
<i>incl.</i>	95.00	97.31	2.31	2.77	4.04
<i>with</i>	95.00	96.00	1.00	4.81	7.74
VH19-008	174.56	175.00	0.44	8.08	12.10
VH19-008	188.00	193.00	5.00	1.21	N/A
VH19-008	207.00	208.00	1.00	5.47	3.36
VH19-009	32.00	33.00	1.00	2.25	N/A
VH19-009	171.00	188.00	17.00	1.63	1.69
VH19-009	171.00	177.00	6.00	3.14	3.25
VH19-009	183.00	187.00	4.00	1.88	1.98
VH19-009	271.00	284.00	13.00	0.52	N/A
VH19-010	297.00	310.80	13.80	1.34	1.08

<i>incl.</i>	299.00	307.00	8.00	1.94	1.51
<i>and.</i>	305.77	307.00	1.23	6.23	3.41
VH19-011	25.00	26.00	1.00	3.02	2.27
VH19-011	91.00	92.00	1.00	4.05	5.15
VH19-011	147.06	150.00	2.94	1.26	N/A
VH19-011	211.60	219.55	7.95	2.30	2.06
<i>incl.</i>	213.10	214.00	0.90	7.73	7.72
<i>and</i>	217.80	219.66	1.75	5.02	3.92
<i>with</i>	217.80	218.30	0.50	7.04	6.08
<i>and</i>	218.80	219.55	0.75	6.36	4.41
VH19-011	248.00	252.00	4.00	1.35	N/A
VH19-011	337.00	339.00	2.00	1.22	N/A
VH19-012	17.00	19.00	2.00	2.83	2.92
VH19-012	55.00	92.00	37.00	0.51	0.53
<i>incl.</i>	55.00	58.00	3.00	1.80	1.97
<i>and</i>	79.00	80.00	1.00	2.30	N/A
<i>and</i>	91.00	92.00	1.00	2.52	N/A
VH19-013	52.00	52.72	0.72	5.34	5.84
VH19-013	89.26	90.00	0.74	3.03	2.45
VH19-013	114.00	115.00	1.00	3.89	2.68
VH19-013	188.79	190.00	1.21	6.76	7.66
VH19-014	18.60	19.34	0.74	2.85	N/A
VH19-015	75.00	76.00	1.00	1.08	N/A
VH19-015	225.00	226.00	1.00	1.05	N/A
VH19-016	60.00	65.66	5.66	0.87	N/A
VH19-016	65.00	65.66	0.66	2.08	2.16
VH19-016	198.00	199.00	1.00	2.73	N/A
VH19-016	202.00	203.00	1.00	1.68	N/A

Drill core certificates of analysis can be found in Appendix L.

10.0 Sample Preparation, Analyses and Security

For the 2019 field program including both surface and drilling work, KG Exploration used ALS Global (ALS) which has sample preparation facilities in Thunder Bay, Ontario and analytical facilities in North Vancouver, British Columbia. The North American ALS analytical laboratories are accredited by the Standards Council of Canada (SCC) for specific tests listed in the Scopes of Accreditation which conforms with CANP-1579: Requirements for the Accreditation of Mineral Analysis Testing Laboratories and CAN-P4E ISO/IEC 17025: General Requirements for the Competence of Testing and Calibration Laboratories. All samples submitted to ALS whether for surface or drilling were analysed using the same techniques and for the same elements.

10.1 Sample Preparation

- Samples are submitted to ALS with a unique ALS sample tag; ALS records the tag number, weighs the samples and logs samples into their laboratory information management system (LIMS)
- If samples are excessively wet, they are dried
- Samples are crushed to better than 70% passing <-2mm;
- Samples are split using a riffle splitter with 250g pulverized to better than 85% passing <75µm

- Remainder of split is stored as coarse reject for 45 days before being returned to client;
- Crusher jaws and work stations are cleaned before the first sample of every new work order with barren material and compressed air;
- Grinding bowls are cleaned before the first sample of every new work order with silica and compressed air and between each subsequent sample with compressed air;
- A 100-150g split of each pulp sample is packaged and shipped to the analytical facilities in North Vancouver via courier. Pulps and coarse rejects are retained at the ALS Thunder Bay laboratory until requested by client for transfer to long term storage.

10.2 Sample Analyses

All drill core and surface samples were analyzed using Au-AA24 (Au) and ME-ICP61 (Ag, As, Cu, Zn) procedures. Where samples returned values greater than 3.0g/t Au, a gravimetric finish was applied (Au-GRA22) and where overlimits were encountered ME-OG62 was used.

10.2.1 Au-AA24

Sample Decomposition: Fire Assay Fusion, Atomic Absorption Spectroscopy

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5ml dilute nitric acid in the microwave oven, 0.5ml concentrated hydrochloric acid is the added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4ml with de-mineralized water and analyzed by atomic absorption spectroscopy against matrix-matched standards.

Table 7: Detection Limits for Au-AA24

Element	Detection Limit	Upper Limit
Au	0.005ppm	10.0ppm

10.2.2 Au-GRA22

Sample Decomposition: Fire Assay Fusion, Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silicat and other reagents in order to produce a lead button. The lead button containing the preicoius metals is cupelled ot remove the lead. The remaining gold and silver bead is parted in dilute nitrc acid, annealed and weighed as gold.

Table 8: Detection Limits for Au-GRA22

Element	Detection Limit	Upper Limit
Au	0.05ppm	1,000.0ppm

10.2.3 ME-ICP61

Sample Decomposition: HNO3 – HClO4 – HF – HCl digestion, HCl Leach (4Acid)

A prepared sample (0.25g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and the resulting solution is analyzed by ICP-AES spectrometry. Results are corrected for spectral interelement interferences.

Table 9: Detection Limits for ME-ICP61

Element	Detection Limit	Upper Limit
---------	-----------------	-------------

Ag	0.5ppm	100.0ppm
As	5.0ppm	10,000ppm
Cu	1ppm	10,000ppm
Zn	2ppm	10,000ppm

10.2.4 ME-OG62

Sample Decomposition: HNO₃ – HClO₄ – HF – HCl Digestions

A prepared sample (0.4g) is digested with nitric, perchloric, hydrofluoric and hydrochloric acids and then evaporated to incipient dryness. Hydrochloric acid and de-ionized water is added for further digestion and the sample is heated for an additional allotted time. The sample is cooled to room temperature and transferred to a volumetric flask (100ml). The resulting solution is diluted to volume with de-ionized water, homogenized and the solution is analyzed by ICP-AES or by atomic absorption spectrometry.

Table 10: Detection Limits for ME-OG62

Element	Detection Limit	Upper Limit
Ag	1ppm	1,500ppm
As	10ppm	300,000ppm
Cu	10ppm	500,000ppm
Zn	10ppm	300,000ppm

10.3 Security

Core samples are secured within the logging facility in Dryden, Ontario until their transport to ALS. This facility is secured and public access is restricted. Core samples are either shipped via tracked Gardewine transport or by Clark Exploration staff to ALS in Thunder Bay.

11.0 Data Verification

11.1 Drill Hole Data Validation

Drillhole related data undergoes various reviews in the validation process prior to being finalized in the database. Coordinate and survey data collected are reviewed upon completion to ensure accuracy requirements have been met. Collar coordinates are collected via handheld GPS using the waypoint average method and are checked against a GIS application to ensure accuracy. Downhole surveys are reviewed and validated for each hole to ensure quality assurance is met. This includes reviewing the survey in its entirety as well as between stations to ensure there are no outliers or irregularities. If any portion of the survey is called into question the identifying station or portion of survey is thus removed. Once validated, the survey will be finalized into the database (MX Deposit).

Logging, geotechnical and sampling data are recorded on laptops within a central database using the MX Deposit software. Once all information is entered into the drill log and the hole is complete, the data will be reviewed by the supervising geologist to ensure completeness. Once the drill hole has been validated the hole will be locked from further editing and its information will be available in final read-only tables.

11.2 Surface Data Verification

Surface data is reviewed in real-time during collection. This includes reviewing the shapefiles and ensuring that the GIS software is capturing all variables required including: the accurate shape of the outcrop and the details recorded. Field teams review the data for each outcrop/point collected prior to moving on to ensure all data is captured, accurate and saved.

11.3 Assay Validation

11.3.1 Drillhole Assays

Validation of analytical results is run by the MX Deposit software program with parameters predetermined by the supervising geologist. These parameters include; tolerance limits for laboratory standards and KGC inserted quality control (QC) materials as well as the mathematical conversions for results lower than the detection limits for each element being analyzed.

Analytical results are received from the laboratory and imported directly into MXDeposit software. During import the status of each sample being imported is recorded and time stamped, producing a detailed log. This log highlights any issues or failures associated with the import and is saved and reviewed by the supervising geologist. All values that report less than detection are converted to half of the lower detection limit.

11.3.2 Surface Assays

Validation of analytical results is completed manually by the supervising geologist with parameters predetermined. These parameters include the tolerance limits for KGC inserted quality control (QC) materials as well as the mathematical conversions for results lower than the detections limits for each element being analyzed.

Analytical results are received from the laboratory and are compiled and reviewed by the supervising geologist. During review the supervising geologist reviews the inserted QC samples against the predetermined tolerance limits and records the status of each QC sample. All values that report less than detection are converted to half of the lower detection limit.

11.4 Quality Assurance and Quality Control

Quality assurance (QA) and Quality Control (QC) measure for the 2019 field program included the insertion of blank and standard reference material and laboratory duplicate review.

11.4.1 Standard Reference Materials

Certified reference materials including standards and blanks were inserted into each stage of the sampling process throughout the 2019 field program including, grab samples, channel samples and drill sampling. Samples were submitted to ALS Global Laboratories (ALS) in Thunder Bay, Ontario in batches of 78 including the KGC inserted QC samples. For field samples this resulted in 1 QC sample approximately every 20 samples which accounted for roughly three QC samples per batch. For channel sampling and drilling QC samples were inserted approximately 1 in every 12 samples which resulted in seven QC samples per batch. The analytical results for the inserted QC samples were assessed by the supervising geologist and the MXDeposit software during certificate import.

A review of the standard reference materials showed relatively low variation between samples indicating the high precision and accuracy of the laboratory for the consistent replication during the assay process. 2019 was the first year KG Exploration was able to utilize the certified reference materials found in this program. As programs progress the datasets and confidence will increase.

Table 11: Sources and Names for Standards and Blanks used in the 2019 Field Program

Material	Source	Total # Used in 2019	Total # Used in DDH Program
CDN-BL-10	CDN Resource Laboratories	151	126
CDN-GS-1W	CDN Resource Laboratories	71	56
CDN-GS-7H	CDN Resource Laboratories	81	68
CDN-GS-25	CDN Resource Laboratories	5	1

11.4.2 Tolerance Limits

Certified pulp blank material was considered failed if the result of gold exceeded the maximum allowable upper limit, determined as three times the lower detection limit of the analytical method (0.15ppm). If a failure was detected, the certificate would be reviewed by the supervising geologist who would give the appropriate instruction to the laboratory to re-assay a selected interval from coarse rejects if necessary.

The CDN standard reference material (CRM) results for gold are assessed based on their recommended values and standard deviations as reported on their certificates. A standard sample fails if the results exceed three standard deviations. Additionally a warning is used if the result falls between two and three standard deviations resulting in a review of adjacent results. Where a failure is detected the certificate is reviewed by the supervising geologist and the laboratory is instructed to re-assay from pulps a selection of samples surrounding the failure if necessary.

11.4.3 Laboratory Duplicates

Due to the highly nuggety nature of the deposit, no internal duplicates were selected throughout the field program. However, ALS Global regularly took duplicate samples in the primary laboratory stage (pulp split). Typically three pulp duplicates were performed per certificate for gold and one for multi-elements. Original assays results versus the pulp duplicate showed very little variation indicating the labs ability to reproduce at a high precision.

12.0 Conclusions

The 2019 exploration program was successful in providing validity to values collected in previous programs, both from surficial sampling and samples obtained from drill core. The program was also successful in both developing targets for exploration within the program's duration (channel sampling and drilling phases) as well as developing prospects for future exploration programs.

Through the program, it was determined that gold mineralization is predominantly in and around quartz veins displaying strong deformation with alteration along the margins and in proximal host rock. This alteration can span multiple meters as seen in the ankerite alteration halo around the east-west vein in the Glatz East stripping. The deformation observed to be moderate throughout the property in the form of foliation which is intense in localized areas. Multiple cases of this deformation can be seen occurring with quartz veins in drill core obtained in the Glatz West area. Though it was also determined that not all quartz veins displaying alteration and notable accessory minerals such as tourmaline are mineralized. An example of this was seen in the Bonanza area.

Though the drilling at Bonanza was unsuccessful in producing anomalous gold values at depth (excluding the Bonanza vein intercepted in VH19-003), shorter intervals yielding gold were obtained at shallower depths in some drill holes around deformed quartz veins. This support the theory that gold mineralization is associated with deformed quartz veins throughout the property.

Drilling in both Glatz East and West areas was successful in producing gold values similar to those obtained during the channel sampling phase of the program. Many of these drill holes displayed a quartz-feldspar porphyry cross cutting the lithologies. Multiple gold bearing deformation zones and quartz veins were observed in these holes. Further work in these known mineralized areas will provide evidence as to the structural controls for mineralization on a property scale.

The hand stripping and channel sampling successfully highlighted the gold bearing nature of the Lone Jack area which has defined potential targets for future diamond drilling. Mapping and sampling in the Redeemer-Lost were successful in producing gold values which have made it a viable target for future exploration.

13.0 Recommendations

With the presence of prospects in multiple stages of grass roots exploration, this allows for another multi-phase program to be performed on the property. The future program should consist of: bedrock mapping, a stripping and channel sampling program and diamond drilling.

Favorable bedrock exposure throughout the property allows for another bedrock mapping program to develop exploration targets and provide lithological and structure data. The abundance of lakes throughout the property allows for efficient data collection via shoreline mapping. A future mapping program focusing on areas along strike of known areas of mineralization would likely have the highest chance of success.

A stripping and channel sampling program focusing on areas proximal to the location of anomalous gold samples collected in the 2019 program would be prudent, and if successful, would define prospective drill targets. A specific target for this work would be the Redeemer-Lost area. Though topography is challenging in the area, access has been improved due to recent forestry work in the vicinity. A short-detailed outcrop mapping program should be carried out in the area to define an orientation and size of a potential stripping.

With the success of the drilling in the Glatz West area, follow-up drilling in areas of mineralization is suggested. The diamond drilling would define and potentially extend the mineralized zones. Given the vertical depth intercepts of these holes and the values obtained at the end of some of the holes, a deeper drill program with similar hole orientation would provide valuable data on these gold bearing structures at depth. Further definition of the Glatz West area should be performed in the form of tightly spaced definition style drilling. This should be done around known values such as those found in holes VH19-008 and VH19-009. The focus of this drilling should be on the structure of the mineralized quartz veins and deformation zones. Due to the pinch and swell nature of the veins seen in the area, obtaining structural data such as mineral lineations, can be used to define possible plunging mineralized shoots.

With the historic drilling delineating 572,000 tonnes of “possibly economic material” in the Vanlas area, a drill program focused between the Glatz and Vanlas area would provide insight into possible continuity between the two mineralized areas (Burden, L.D., 1989). This can be performed with a series of north-south spaced holes drilled to the east side of the Glatz East stripping. Given the orientation of the structures in the area, a 180° azimuth and a ~50° dip would be ideal for crosscutting all structures in the area.

Any further work should be accompanied by a whole rock sampling program. This would allow for definite lithological characterisation through all stages of the program and would allow for a possible core library to be developed for future drill programs.

13.0 References

- Beakhouse, G. P., 1988, The Wabigoon-Winnipeg River Subprovince Boundary Problem: Ontario Geological Survey misc paper. 141, 108–115 p.
- Beakhouse, G. P., 2001, Precambrian Geology of the Thunder Lake Segment (Project Unit 00-012): Ontario Geological Survey Open File Report 6070, 15-1 to 15-6 p.
- Beakhouse, G. P., 2002, Precambrian Geology of the Dinorwic Area, Wabigoon Subprovince (Project Unit 99-001): Ontario Geological Survey Open File Report 6100.
- Beakhouse, G. P., 2007, Structurally controlled, magmatic hydrothermal model for Archean lode gold deposits: a working hypothesis: Ontario Geological Survey Open File Report 6193, 133 p.
- Blackburn, C. E., John, G. W., Ayer, J., and Davis, D. W., 1991, Wabigoon Subprovince, in Thurston, P. C., Williams, H. R., Sutcliffe, R. H., and Stott, G. M. eds., *Geology of Ontario*: Ontario Geological Survey, p. 303-381.
- Bruce, E. L., 1925, Gold deposits of Kenora and Rainy River districts: Annual Report, Ontario Department of Mines.
- Burden, L.D., 1989, Through Early 1989 Diamond Drilling and Stripping and Sampling Program on the Flambeau Lake Property: for International Platinum Corporation 52F/10NW, XX-3.
- Carr, I., Baker, D., 2018, 2018 Geological, Geochemical, Geophysical, and Diamond Drilling Report on The Van Horne Project. Equity Exploration Consultants LTD.
- Chiang, M., Meade, S., R., and Rennie, C., M., 2012, Van Horne Property 2011 Drilling Report Dryden Area, Northwestern Ontario, Canada Kenora Mining District: Laurentian Gold Fields 20000007412.
- Davis, D. W., Blackburn, C. E., and Krogh, T. E., 1982, Zircon U-Pb ages from the Wabigoon-Manitou Lakes region, Wabigoon subprovince, northwest Ontario: *Canadian Journal of Earth Sciences*, v. 19, p. 254-266.
- Felix, V.E., 2005, Lake sediment and water analytical data for the Eagle Lake area, northwestern Ontario: Ontario Geological Survey, Miscellaneous Release-Data 145.
- Joliffe, T.S., 1984, Report on the Geology of the Bonanza-Redeemer Property: Van Horne Exploration Inc.
- Joliffe, T.S., 1988, Exploration Program, Dryden Property, Van Horne Township, Ontario: Power Explorations Inc. Volume 1, Report, Rock Sample Description & Analysis 52F10NW0002.
- J.R., P., 1989, Geology, Gold Mineralization and Property Visits in the Area Investigated by the Dryden-Ignace Economic Geologist, 1984-1987: Ontario Geological Survey.
- Kidd, R., 1981, Report on Diamond Drilling Program, Van Horne Exploration Company Ltd., Dryden Area, Province of Ontario, February 6, 1981: Van Horne Exploration Company Ltd. 52F10NW0024.
- Lewis, D. 2019. 2019 Structural and Lithological Geological Mapping, Van Horne Project, Dryden, Ontario: Dave Lewis.

- Lengyel, P., 2008, 2008 Summer Exploration Report, Van Horne Property, Van Horne, Aubrey & Contact Lake Area Townships Kenora Mining District Ontario: Laurentian Goldfields.
- Lengyel, P., J. W., 2008, 2008 Geochemistry Report, Van Horne Property: Laurentian Gold Fields 20000003580, 518 p.
- Moorehouse, W.W., 1939, Geology of the Eagle Lake Area: Vol. XLVIII, Part IV, 1-31 p.
- Moorehouse, W.W., 1941, Geology of the Eagle Lake Area, in Annual Report Vol. XLVIII, Part IV, for 1939, p. 1-31, accompanied by Map 48d, scale 1:63,360.
- Ontario Geological Survey, 1987, Geological Data Inventory Folio 396, Contact Bay Area, District of Kenora, Ontario Geological Survey, 1987, includes 1 map at 1:31,680 and tabulated historical data: Ontario Geological Survey Folio 396.
- Ontario Geological Survey, 2002, Ontario airborne geophysical surveys, magnetic and electromagnetic data, Stormy Lake area; Ontario Geological Survey, Geophysical Data Set 1107- Revised.
- Ontario Geological Survey, 1999, Single Master Gravity and Aeromagnetic Data for Ontario, Ontario Geological Survey, ERLIS Data Set 1036.
- Parker, J.R., Schienbein, R.. 1988. Precambrian geology, Flambeau Lake-Larson Bay area, western part, District Kenora. Preliminary Map Series.
- Parker, J.R., 1990, The Flambeau Lake Gold Prospect, in: Field Trip No. 2, Kenora-Rainy River Gold and Base Metals, CIM 12th Annual District Four Meeting, September 10-13, 1990, ed. Mason, J.:
- Parsons, A. L., 1911, Gold Fields of Lake of the Woods, Manitou and Dryden: Ont. Bur. Mines, v. 21, p. 1012.
- Russell, D.F., 2004, Lake sediment analytical data for the Sturgeon Lake-Wabigoon Lake area: Ontario Geological Survey Miscellaneous Release-Data 130.
- Satterly, J., 1943, Geology of the Dryden-Wabigoon Area, in Ontario Department of Mines Annual Report for 1941: Department of Mines, 1-67 p.
- Scheinbein, R., and Parker, J.R., 1988a, Precambrian Geology of the Flambeau Lake-Larson Bay Area, Western Part, District of Kenora.
- Scheinbein, R., and Parker, J.R., 1988b, Precambrian Geology of the Flambeau Lake-Larson Bay Area, Western Part, District of Kenora.
- Thomson, E., 1917, Dryden Gold Area: Ontario Department of Mines Vol. XXVI, Part IV, 163-189 p.
- Trowell, N. F., Blackburn, C. E., and Edwards, G. R., 1980, Preliminary geological synthesis of the Savant Lake-Crow Lake metavolcanic-metasedimentary belt, northwestern Ontario, and its bearing upon mineral exploration: Ontario Ministry of Natural Resources.

Appendix A: Certificate of Qualifications

CERTIFICATE AND QUALIFICATIONS

Percy Clark
941 Cobalt Crescent
Thunder Bay, Ontario
Canada, P7B 5Z4
Telephone: 807-630-2794

CERTIFICATE OF QUALIFIED PERSON

I, Percy, do hereby certify that:

1. I graduated with the degree of Bachelor of Science (Geology) from Acadia University, Wolfville, Nova Scotia in 2017.
2. The "Report" refers to the report titled " Assessment Report on the Van Horne Project 2019 Exploration Program"
3. I am a registered Member in Training (M.I.T) the Association of Professional Geoscientists of Nova Scotia (#077).
4. I have worked as a Geologist for 2.5 years since my graduation from university.
5. I am responsible for the entire Report
6. As a member of the Clark Exploration Consulting field team, I was responsible for a portion of the field work performed documented in this report.
7. As of the date of this certificate, and to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the Report not misleading.

Dated this 30th day of April, 2020.

SIGNED

"Percy Clark"

Percy Clark, M.I.T

Appendix B: Statement of Expenditures

Category	Expense Classification	Amount (CAD)	5% GST	13% GST	Total
Analytical	Assaying	\$ 132,799.99	\$ 6,640.00		\$ 139,439.99
	Ground Transportation (Courier)	\$ 2,329.41		\$ 302.82	\$ 2,632.23
Field Costs	Accommodation	\$ 41,968.06		\$ 5,455.85	\$ 47,423.91
	Airfare	\$ 5,061.40		\$ 657.98	\$ 5,719.38
	CoreShack (Core Shack + Utilities)	\$ 8,223.56		\$ 1,069.06	\$ 9,292.62
	Equipment Repairs	\$ 5,205.24		\$ 676.68	\$ 5,881.92
	Car Rentals	\$ 1,945.77		\$ 252.95	\$ 2,198.72
	Earthworks (Overburden Stripping, Pad building)	\$ 26,700.01		\$ 3,471.00	\$ 30,171.01
	Meals	\$ 14,026.38		\$ 1,823.43	\$ 15,849.81
	Materials and Supplies	\$ 23,622.66		\$ 3,070.95	\$ 26,693.61
	Exploration Crew Gas	\$ 8,956.29		\$ 1,164.32	\$ 10,120.61
Rentals	UTV Rental	\$ 38,400.00		\$ 4,992.00	\$ 43,392.00
	Truck Rentals	\$ 36,971.75		\$ 4,806.33	\$ 41,778.08
	Downhole Tool Rentals (Reflex, Magsus)	\$ 34,002.80		\$ 4,420.36	\$ 38,423.16
	Water Pump/Hose Rentals	\$ 5,343.85		\$ 694.70	\$ 6,038.55
	Communication Rentals	\$ 1,882.90		\$ 244.78	\$ 2,127.68
	Rock Saw-Pump Rental	\$ 1,539.27		\$ 200.11	\$ 1,739.38
Drilling	Mob/Demob	\$ 3,840.00		\$ 499.20	\$ 4,339.20
	Meterage'	\$ 460,778.25		\$ 59,901.17	\$ 520,679.42
	Materials	\$ 21,427.45		\$ 2,785.57	\$ 24,213.02
	Core Racks	\$ 7,500.00		\$ 975.00	\$ 8,475.00
Misc	Computer Supplies	\$ 349.99		\$ 45.50	\$ 395.49
	Software Subscription	\$ 3,400.00		\$ 442.00	\$ 3,842.00
	Land Access Payment	\$ 2,080.00		\$ 270.40	\$ 2,350.40
	Ground Transportation (Misc)	\$ 2,434.01		\$ 316.42	\$ 2,750.43
Consultants	Clark Exploration Personnel (9)	\$ 349,086.24		\$ 45,381.21	\$ 394,467.45
	Lewis Geological Services (1)	\$ 60,182.28		\$ 7,823.70	\$ 68,005.98
	M.Wood (1)	\$ 11,893.51		\$ 1,546.16	\$ 13,439.67
	TBT Surveying Inc.	\$ 6,060.00		\$ 787.80	\$ 6,847.80
	Hadyn R Butler	\$ 3,000.00		\$ 390.00	\$ 3,390.00
	Kusnick Electric	\$ 1,887.88		\$ 245.42	\$ 2,133.30
Totals		\$ 1,322,898.95	\$ 6,640.00	\$ 154,712.86	\$ 1,484,251.81

Appendix C: Claim Data

Appendix C :Claim Data

Van Horne Mining Claim Cells

Tenure ID	Tenure Type	Township / Area	Anniversary Date	Tenure Percentage	Holder
100584	Single Cell Mining Claim	AUBREY	2022-02-10	100	(100) Pure Gold Mining Inc.
101077	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
101743	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
101827	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-06-03	100	(100) Pure Gold Mining Inc.
101828	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
101964	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
101974	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
102050	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
102782	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-01	100	(100) Pure Gold Mining Inc.
102933	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
108754	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
108755	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
113838	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
113875	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
115955	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
115976	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
116031	Single Cell Mining Claim	VAN HORNE	2022-09-24	100	(100) Pure Gold Mining Inc.
116059	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
116060	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
116170	Single Cell Mining Claim	VAN HORNE	2022-09-24	100	(100) Pure Gold Mining Inc.
122328	Single Cell Mining Claim	VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
122330	Single Cell Mining Claim	VAN HORNE	2022-10-16	100	(100) Pure Gold Mining Inc.
122407	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
122958	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
122959	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
122960	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
123095	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
125136	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
125137	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-01	100	(100) Pure Gold Mining Inc.

125677	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
128297	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA,VAN HORNE	2022-06-03	100	(100) Pure Gold Mining Inc.
128938	Single Cell Mining Claim	VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
128939	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
128950	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
128952	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
128953	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
128978	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
129929	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
131984	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
131985	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
132722	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
133708	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
133949	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
143490	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
148577	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
148598	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
149327	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
149328	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
152114	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
155461	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
155462	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
158229	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
158850	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
161518	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
162111	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
162112	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
162114	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
163611	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
164236	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
164237	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
164248	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.

164270	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
164271	Single Cell Mining Claim	VAN HORNE	2022-03-20	100	(100) Pure Gold Mining Inc.
164272	Single Cell Mining Claim	VAN HORNE	2022-03-20	100	(100) Pure Gold Mining Inc.
164273	Single Cell Mining Claim	VAN HORNE	2022-03-20	100	(100) Pure Gold Mining Inc.
164274	Single Cell Mining Claim	VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
164827	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-08-01	100	(100) Pure Gold Mining Inc.
164828	Single Cell Mining Claim	VAN HORNE	2022-08-01	100	(100) Pure Gold Mining Inc.
168176	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
168177	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
170904	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
171531	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
171532	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
176068	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
196706	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
197380	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
204065	Single Cell Mining Claim	VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
204702	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-09-24	100	(100) Pure Gold Mining Inc.
204703	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-09-24	100	(100) Pure Gold Mining Inc.
204895	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
205405	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
205458	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
205836	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
208824	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
208858	Single Cell Mining Claim	AUBREY	2022-05-29	100	(100) Pure Gold Mining Inc.
211512	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
212127	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
212136	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
212157	Single Cell Mining Claim	VAN HORNE	2022-03-20	100	(100) Pure Gold Mining Inc.
215708	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
215709	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
216811	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
216812	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.

216813	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
217574	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
222641	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
222988	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
223532	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA,VAN HORNE	2022-06-03	100	(100) Pure Gold Mining Inc.
223654	Single Cell Mining Claim	VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
224192	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
230931	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
230939	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-10-16	100	(100) Pure Gold Mining Inc.
230962	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
231543	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
233428	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
233429	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
234764	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
235575	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
245605	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
245606	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
253671	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
253672	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
253673	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
260174	Single Cell Mining Claim	VAN HORNE	2022-09-11	100	(100) Pure Gold Mining Inc.
260199	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
260200	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
260201	Single Cell Mining Claim	VAN HORNE	2022-09-11	100	(100) Pure Gold Mining Inc.
262729	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
262730	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
262862	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
262863	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
264257	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
266173	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
268223	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
270314	Single Cell Mining Claim	VAN HORNE	2022-10-16	100	(100) Pure Gold Mining Inc.

271459	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
273628	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-01	100	(100) Pure Gold Mining Inc.
273629	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
277503	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
277504	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
278145	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
278146	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
278147	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
278161	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
278991	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-06-03	100	(100) Pure Gold Mining Inc.
279030	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
279031	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
279693	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
279694	Single Cell Mining Claim	VAN HORNE	2022-05-18	100	(100) Pure Gold Mining Inc.
282849	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
283576	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
283577	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
284314	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
287523	Single Cell Mining Claim	AUBREY	2022-06-03	100	(100) Pure Gold Mining Inc.
289762	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-05-29	100	(100) Pure Gold Mining Inc.
289763	Single Cell Mining Claim	VAN HORNE	2022-09-11	100	(100) Pure Gold Mining Inc.
290174	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
290175	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
290338	Single Cell Mining Claim	VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
293681	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-10-16	100	(100) Pure Gold Mining Inc.
294227	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
296962	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
296971	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
296972	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
297588	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
300019	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
301292	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.

302235	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
311314	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
311315	Single Cell Mining Claim	VAN HORNE	2022-06-15	100	(100) Pure Gold Mining Inc.
311346	Single Cell Mining Claim	AUBREY	2022-06-03	100	(100) Pure Gold Mining Inc.
312718	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
312734	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
312735	Single Cell Mining Claim	VAN HORNE	2022-11-23	100	(100) Pure Gold Mining Inc.
312754	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
314087	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-06-03	100	(100) Pure Gold Mining Inc.
314088	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
314680	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
314681	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
316066	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
318541	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
319660	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
319661	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
326126	Single Cell Mining Claim	CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
326146	Single Cell Mining Claim	VAN HORNE	2022-09-11	100	(100) Pure Gold Mining Inc.
326745	Single Cell Mining Claim	VAN HORNE	2022-04-03	100	(100) Pure Gold Mining Inc.
326782	Single Cell Mining Claim	VAN HORNE	2022-05-02	100	(100) Pure Gold Mining Inc.
326882	Single Cell Mining Claim	VAN HORNE	2022-05-04	100	(100) Pure Gold Mining Inc.
330648	Single Cell Mining Claim	CONTACT BAY AREA,VAN HORNE	2022-04-01	100	(100) Pure Gold Mining Inc.
330649	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-03	100	(100) Pure Gold Mining Inc.
330651	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-06-03	100	(100) Pure Gold Mining Inc.
332625	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
332626	Single Cell Mining Claim	CONTACT BAY AREA	2022-08-08	100	(100) Pure Gold Mining Inc.
332627	Single Cell Mining Claim	AUBREY	2022-06-03	100	(100) Pure Gold Mining Inc.
333181	Single Cell Mining Claim	AUBREY	2022-08-08	100	(100) Pure Gold Mining Inc.
340526	Single Cell Mining Claim	AUBREY,CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
340527	Single Cell Mining Claim	CONTACT BAY AREA	2022-03-12	100	(100) Pure Gold Mining Inc.
344644	Single Cell Mining Claim	CONTACT BAY AREA	2022-04-01	100	(100) Pure Gold Mining Inc.
345301	Single Cell Mining Claim	AUBREY	2022-05-29	100	(100) Pure Gold Mining Inc.

522962	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522963	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522964	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522965	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522966	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522967	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522968	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522969	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522970	Single Cell Mining Claim	AUBREY	2022-06-08	100	(100) Pure Gold Mining Inc.
522971	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.
522972	Single Cell Mining Claim	VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.
522973	Single Cell Mining Claim	VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.
522974	Single Cell Mining Claim	AUBREY,VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.
522975	Single Cell Mining Claim	VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.
522976	Single Cell Mining Claim	VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.
522977	Single Cell Mining Claim	VAN HORNE	2022-06-08	100	(100) Pure Gold Mining Inc.

Van Horne Patent Claims

Tenure Number	Title	Description	Area (ha)	Object ID
PAT-6205	Patent	Mining and Surface Rights	16.187	496291
PAT-6202	Patent	Mining and Surface Rights	12.141	496164
PAT-6203	Patent	Mining and Surface Rights	12.141	496165
PAT-6199	Patent	Mining and Surface Rights	16.187	496166
PAT-6197	Patent	Mining and Surface Rights	28.328	496167
PAT-6207	Patent	Mining and Surface Rights	16.187	496408
PAT-6200	Patent	Mining and Surface Rights	16.187	496275
PAT-6201	Patent	Mining and Surface Rights	16.187	496276
PAT-6198	Patent	Mining and Surface Rights	64.75	496277
PAT-6587	Patent	Mining and Surface Rights	16.187	496279
PAT-6196	Patent	Mining and Surface Rights	16.187	752548
PAT-6204	Patent	Mining and Surface Rights	11.331	762584
PAT-6206	Patent	Mining Rights	11.736	764238

Appendix D: Grab Sample Descriptions

Van Horne 2019 Grab Sample Data Collection

Location ID	Sample Number	UTM Easting	UTM Northing	Elevation	Date Sampled	Geologist	Type	Rock Type	Grain Size	Colour	Texture	Sulphides	Sulphide %	Sulphide Style	Alteration	Primary Alteration Mineral	Alteration Texture	Deformation	Description	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Zn (ppm)	Au Grav (ppm)	Certificate		
CC-002	A0050001	508663.3	5507497.19	388.33	7-May-19	Thomas Clark	Outcrop	Intermediate Volcanic	Aphanitic	Red-Brown			0	0	intense	ankerite	pervasive	strong	Near historic sample, sulphides weathered away. Strong possible shear zone. (20 cm width)	0.098	<0.5	<5	24	36		T819122706		
CC-004	A0050002	508651.6	5507536.86	381.17	7-May-19	Percy Clark	Outcrop	Quartz Vein	Medium	Cream	pyrite		1	vein fill	moderate	ankerite	patchy	strong	Historic Sample (A00349204) Quartz vein in cliff outcrop. (Potential Fold hinge?)	1.561	0.5	<5	6	9		T819122706		
CC-005	A0050003	508671.8	5507547.57	376.03	7-May-19	Percy Clark	Outcrop	Mafic Volcanic	Aphanitic	Red-Brown	pyrite		1	disseminated	moderate	ankerite	patchy	moderate	Irregular Quartz Veining through medium grain mafic intrusive?	0.008	<0.5	<5	5	78	110		T819122706	
CC-011	A0050004	508714.0	5507566.87	388.11	7-May-19	Percy Clark	Outcrop	Intermediate Volcanic	Fine	Black	pyrite		2	disseminated	weak	ankerite	fracture-fill	weak	Spotty magnetite.	<0.005	<0.5	<5	5	5	66		T819122706	
CC-013	A0050005	508689.1	5507512.46	387.26	7-May-19	Percy Clark	Outcrop	Intermediate Volcanic	Fine	Cream			0	0	moderate	ankerite	pervasive	moderate	qtz vein sample, pervasive ankerite alteration, on strike of historic trench	0.172	<0.5	<5	7	6	40		T819122706	
CC-015	A0050006	508685.9	5507487.43	388.02	7-May-19	Percy Clark	Outcrop	Intermediate Volcanic	Fine	Red-Brown	pyrite	tr	1	disseminated	moderate	ankerite	pervasive	weak	Quartz vein sample.	<0.005	<0.5	<5	5	21	33		T819122706	
CC-018	A0050007	508782.4	5507572.54	389.75	8-May-19	Percy Clark	Outcrop	Quartz Vein	Medium	Brown	pyrite		1	disseminated	moderate	ankerite	patchy	moderate	Historic Sample (A00349194). Vein running along contact of mafic and felsic. 15 cm quartz vein.	0.047	<0.5	<5	7	18	65		T819122706	
CC-020	A0050008	508749.6	5507534.69	383.36	8-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	pyrite		1	disseminated	subtle	ankerite	patchy	moderate	Quartz vein between mafic and felsic contact. Historic sample (A00349175, A00349201, H807407 Proximal. Quartz vein 10-35 cm thick)	0.109	<0.5	<5	6	8	85		T819122706	
CC-027	A0050009	508744.5	5507509.44	387.77	10-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Cream	pyrite		3	disseminated	weak	ankerite	patchy	moderate	Historic Sample (A0034928), Sample taken in historic trench.	2.09	<0.5	<5	16	22	61		T819122706	
CC-031	A0050010	508713.9	5507542.07	388.05	10-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Not set	pyrite		1	disseminated	moderate	ankerite	patchy	weak	Sample taken west of CC-031. Shearing around vein.	0.086	<0.5	<5	6	40			T819122706	
CC-037	A0050011	508824.3	5507509.34	388.65	11-May-19	Percy Clark	Outcrop	Quartz Vein	Medium	Cream			0	0	Weak	ankerite	halo	weak	Discontinuous bulk quartz vein cut off by gabbro (north) and mafic volcanoclastic (south)	<0.005	<0.5	<5	10	33			T819122706	
CC-040	A0050012	508808.7	5507522.02	392.52	11-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Not set			0	0	Weak	ankerite	patchy	weak	Minor chlorite alteration, areas of shear present.	0.043	<0.5	<5	3	19			T819122706	
CC-040	A0050013	508808.1	5507521.10	392.78	11-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Cream			0	0	Weak	ankerite	patchy	weak	Historic Samples (A00349205, A00349177, A00348809, A00349172, A00349174) Vein thickness varies, max 1.2 m wide. Laminated between mafic and felsic contact. Convergence of two veins from the east (Sample A005012, A005013). Vein displays weak to moderate shearing margins.	1.085	<0.5	<5	2	8			T819122706	
CC-040	A0050014	508789.9	5507522.15	391.91	11-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Cream	pyrite		1	blebby	Weak	ankerite	ankerite	weak	Historic samples (A00348809, A00349173, A00348809, A00349172, A00349174) Vein thickness varies, max 1.2 m wide. Laminated between mafic and felsic contact. Convergence of two veins from the east (Sample A005012, A005013).	0.014	<0.5	<5	5	33	48		T819122706	
CC-042	A0050015	508791.3	5507507.96	389.50	11-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	pyrite		0	0	strong	ankerite	pervasive	intense	60% vein / 40% wall rock, near historic sample (00349206)	0.208	2.8	<5	5	349	28		T819122706	
CC-046	A0050016	508778.8	5507473.58	385.00	11-May-19	Percy Clark	Outcrop	Intermediate Volcanic	Fine	Light Grey	pyrite		2	blebby	subtle	sericite	pervasive	moderate	Mineralization disseminated along foliation.	<0.005	<0.5	<5		21	118		T819122706	
CC-053	A0050017	508903.3	5507563.19	390.28	12-May-19	Percy Clark	Outcrop	Intermediate Volcanoclastic	Fine	Red-Brown	pyrite		1	disseminated	moderate	ankerite	pervasive	weak	Sample of quartz vein, 70% wall rock / 30% vein, wall rock sheared.	<0.005	<0.5	<5	6	3	42		T819122706	
CC-058	A0050018	508818.3	5507571.93	391.196	12-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	pyrite		2	disseminated	moderate	ankerite	pervasive	strong	70% wall rock / 30% vein, shearing around vein.	>10.0	3.6	11	39	1140	16.25		T819122706	
CC-059	A0050019	508813.1	5507560.47	389.177	12-May-19	Percy Clark	Outcrop	Felsic Volcanics	Fine	Light Grey			1	moderate		Silica	pervasive	strong	Small 0.5 quartz veins.	0.022	<0.5	11	22	1890			T819122706	
QAQC	A0050020																		CDN-BL-10	<0.005	<0.5	<5	7	20	39		T819122706	
Approx. CCV-060	A0050021	508777.7	5507523.17	384.1071	12-May-19	Percy Clark	Outcrop	Quartz Vein	Fine	Red-Brown	pyrite		2	disseminated	moderate	ankerite	patchy	moderate	50 % wall rock / 50% vein, sample taken in historic trench. Historic sample in area, numbers unknown.	0.027	<0.5	<5	6	12	185		T819122706	
CCV-001	A0050022	506145	5508133	387	8-Jun-19	Percy Clark	Outcrop	Quartz Vein	Coarse	Green	Yugy	pyrite	1	blebby	Moderate	Chlorite	patchy	Moderate	Historic Sample, A00348075. Quartz vein on edge of cliff near swamp. 70% vein, 30% wall rock.	0.882	0.5	<5	6	66	29		T819148561	
CCV-005	A0050023	506340	5508020	392	8-Jun-19	Percy Clark	Outcrop	Mafic Intrusive	Medium	Cream	Massive	pyrite	1	disseminated	Moderate	Chlorite	Pervasive	Not Present	Sample taken on ridge	0.005	<0.5	<5	5	63	114		T819148561	
CCV-020	A0050024	506484	5508106	393	13-Jun-19	Percy Clark	Outcrop	Quartz Vein	Coarse	Beige	Glassy	null	null	null	Weak	Sericite	Pervasive	Weak		<0.005	<0.5	<5	16	1	7		T819148561	
CCV-022	A0050025	506084	5508236	355	16-Jun-19	Percy Clark	Outcrop	Quartz Vein	Coarse	Grey	Sugary	null	null	null	Moderate	Ankerite	Pervasive	Moderate	80% vein, historic sample proximal. Number unknown	0.144	<0.5	<5	19	21			T819148561	
CCV-021	A0050026	506375	5508114	391	16-Jun-19	Percy Clark	Subcrop	Intermediate Volcanics	Fine	Green-Grey	Foliated	pyrite	3	blebby	Strong	Calcite	Pervasive	Moderate		<0.005	<0.5	<5	59	57			T819148561	
CCV-021	A0050027	506378	5508086	380	16-Jun-19	Percy Clark	Outcrop	Intermediate Volcanics	Medium	Red-Brown	Foliated	pyrite	tr	2	disseminated	Strong	Chlorite	Pervasive	Strong	Altered deformed contact between int volcanic and QFP	0.012	0.7	<5	6	38			T819148561
CCV-024	A0050028	506336	5508104	Not set	16-Jun-19	Mike Roberts	Outcrop	Quartz Vein	Coarse	White	Foliated	pyrite	2	disseminated	Weak	Ankerite	Pervasive	Weak	Historic sample in area, within historic trench	0.237	<0.5	<5	6	18			T819148561	
CCV-031	A0050029	506557	5508094	Not set	16-Jun-19	Mike Roberts	Outcrop	Quartz Vein	Fine	White	Sugary	pyrite	tr	disseminated	Not set	Not set	Pervasive	Moderate	2% tourmaline?	0.039	<0.5	<5	3	16			T819148561	
Approx. CCV-024	A0050030	506555	5508114	Not set	16-Jun-19	Percy Clark	Outcrop	Intermediate Volcanics	Fine	Light Grey	Foliated	pyrite	2	disseminated	Weak	Silica	Pervasive	Strong	on cliff edge, 30 cm strongly deformed / silica altered zone	<0.005	0.5	<5	42	16			T819148561	
Approx. CCV-024	A0050031	506562	5508114	Not set	16-Jun-19	Percy Clark	Subcrop	Quartz Vein	Fine	White	foliated	pyrite	tr	Disseminated	Weak	Ankerite	Pervasive	Moderate	Cliff subcrop, 80% vein. Ankerite alt.	0.029	<0.5	<5	6	41			T819148561	
Approx. CCV-024	A0050032	506561	5508113	Not set	16-Jun-19	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	pyrite	2	blebby	Moderate	Ankerite	patchy	Moderate	Cliff outcrop, 70% vein sample.	0.825	<0.5	<5	20	50			T819148561	
CCV-025	A0050033	506530	5508148	387	16-Jun-19	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	pyrite	2	blebby	Moderate	Ankerite	patchy	Moderate	60% vein.	3.18	1.1	12	21	31			T819148561	
CCV-026	A0050034	506480	5508127	Not set	16-Jun-19	Percy Clark	Outcrop	Quartz Vein	Coarse	White	Sugary	null	null	null	Strong	Chlorite	patchy	Moderate	Part of vein set, 15 cm max, pinching out to 1 cm. Yuggy bull quartz.	0.007	<0.5	<5	6	1	7		T819148561	
CCV-026	A0050035	506482	5508123	391	16-Jun-19	Percy Clark	Outcrop	Quartz Vein	Coarse	White	Sugary	null	null	null	Moderate	Chlorite	patchy	Moderate	20 cm part of vein set, very coarse grain, yuggy.	0.015	<0.5	<5	6	67			T819148561	
CCV-026	A0050036	506482	5508125	Not set	16-Jun-19	Percy Clark	Outcrop	Quartz Vein	Coarse	White	Sugary	null	null	null	Moderate	Chlorite	patchy	Moderate	Part of vein set, 80% vein, 20% wall rock. Vuggy, 20 cm with host rock inclusions.	<0.005	<0.5	<5	1	5			T819148561	
CCV-027	A0050037	506351	5508375	Not set	20-Jun-19	Percy Clark	Subcrop	Quartz Vein	Fine	White	Foliated	pyrite	tr	Disseminated	Moderate	Ankerite	Pervasive	Strong	2 cm quartz vein, historic sample, cliff edge, possible subcrop.	<0.005	<0.5	<5	26	33			T819151021	
CCV-028	A0050038	506339	5508373	Not set	20-Jun-19	Hodder	Subcrop	Quartz Vein	Fine	White	Foliated	pyrite	tr	Disseminated	Moderate	Ankerite	Pervasive	Strong	tourmaline pods, irregular set both 1-2 cm wide. Ankerite along foliation.	0.005	0.8	<5	23	125			T819151021	
CCV-035	A0050039	506197	5508413	400	20-Jun-19	Percy Clark	Outcrop	Quartz Vein	Fine	Green-Grey	Foliated	pyrite	tr	Disseminated	Weak	Ankerite	patchy	Weak	historic channeling areal (no tags) to be blasted? 20percent qtz vein	<0.005	<0.5	<5	12	108			T819151021	
QAQC	A0050040																		CDN-GS-11v	1.08	1.5	17	43	89			T819151021	
CCV-032	A0050041	506166	5508360	Not set	20-Jun-19	Percy Clark	Outcrop	Quartz Vein	Fine	White	Sugary	pyrite	3	blebby	Moderate	Ankerite	Pervasive	Strong	East of vanias 2 trench, vein pinches and swells 5 to 40 cm.	3.27	0.5	5	24	35	3.02		T819151021	
Near CCV-033	A0050042	506115	5508323	Not set	20-Jun-19	Percy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Sugary	pyrite	3	blebby	Strong	Ankerite	Pervasive	Moderate	Pervasive ankerite alteration, cubic pyrite, prismatic tourmaline.	0.075	<0.5	<5	23	51			T819151021	
Near CCV-033	A0050043	506115	5508323	Not set	20-Jun-19	Percy Clark	Outcrop	Quartz Vein	Medium	Red-Brown	Sugary	pyrite	15	blebby	Strong	Ankerite	Pervasive	Strong	Abundance of sulphides, lesser tourmaline, pervasive ankerite.	>10.0	4.2	12	28	171	10.5			T819151021
CCV-033	A0050044	506107	55082																									

Appendix E: Grab Sample Certificates of Analysis



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 5-JUN-2019
 Account: KECIBQJN

CERTIFICATE TB19122706

Project: Van Horne

This report is for 32 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 22-MAY-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 5-JUN-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19122706

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050001		1.73	<0.5	<5	24	36	0.098	
A0050002		1.53	<0.5	<5	6	9	1.565	
A0050003		2.33	<0.5	5	78	110	0.008	
A0050004		1.55	<0.5	5	5	66	<0.005	
A0050005		1.54	<0.5	7	6	40	0.172	
A0050006		2.07	<0.5	5	21	33	<0.005	
A0050007		2.23	<0.5	7	18	65	0.047	
A0050008		1.22	<0.5	6	8	85	0.109	
A0050009		2.23	<0.5	16	22	61	2.09	
A0050010		2.02	<0.5	<5	6	40	0.086	
A0050011		1.59	<0.5	<5	10	33	<0.005	
A0050012		0.88	<0.5	<5	3	19	0.043	
A0050013		0.90	<0.5	<5	2	8	1.085	
A0050014		1.23	<0.5	5	33	48	0.014	
A0050015		1.61	2.8	5	349	28	0.208	
A0050016		2.80	<0.5	<5	21	118	<0.005	
A0050017		1.14	<0.5	6	3	42	<0.005	
A0050018		1.40	3.6	11	39	1140	>10.0	16.25
A0050019		1.64	<0.5	11	22	1890	0.022	
A0050020		0.07	<0.5	7	20	39	<0.005	
A0050021		2.01	<0.5	6	12	185	0.027	
A0050501		0.99	<0.5	<5	1	15	0.016	
A0051001		0.64	0.5	12	26	66	0.715	
A0051002		0.70	<0.5	5	7	22	0.423	
A0051003		1.04	<0.5	5	18	12	0.013	
A0051004		1.14	<0.5	6	7	25	0.019	
A0051005		1.29	0.6	10	4	13	4.72	4.71
A0051006		1.12	<0.5	7	4	14	0.790	
A0051007		0.77	1.2	8	1	5	>10.0	12.60
A0051008		0.92	<0.5	<5	3	14	0.581	
A0051009		1.04	<0.5	5	11	161	0.210	
A0051010		1.30	<0.5	<5	4	43	0.061	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 5-JUN-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19122706

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 2-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19148561

Project: Van Horne

This report is for 26 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 19-JUN-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 2-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19148561

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Ag-OG62 Ag ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	1	0.005	0.05
A0050502		0.68	<0.5	<5	7	30		0.089	
A0050503		0.07	<0.5	<5	21	37		<0.005	
A0050504		0.83	0.5	<5	26	73		0.272	
A0050505		0.78	0.5	<5	7	67		0.268	
A0050506		0.07	<0.5	<5	21	37		0.012	
A0050507		0.56	<0.5	<5	1	12		0.081	
A0050508		1.15	<0.5	<5	1	26		0.222	
A0050509		0.07	<0.5	<5	21	38		0.007	
A0050510		1.61	<0.5	<5	3	36		0.016	
A0050511		0.07	>100	234	4630	3980	99	>10.0	25.7
A0051011		0.99	<0.5	<5	11	19		0.243	
A0050022		0.91	0.5	<5	66	29		0.882	
A0050023		1.37	<0.5	5	63	114		0.005	
A0050024		1.31	<0.5	16	1	7		<0.005	
A0050025		1.88	<0.5	<5	19	21		0.144	
A0050026		1.81	<0.5	<5	59	57		<0.005	
A0050027		1.40	0.7	<5	6	38		0.012	
A0050028		1.26	<0.5	<5	6	16		0.237	
A0050029		0.71	<0.5	<5	23	16		0.019	
A0050030		1.26	0.5	<5	42	16		<0.005	
A0050031		1.76	<0.5	<5	6	41		0.029	
A0050032		2.57	<0.5	<5	20	50		0.825	
A0050033		2.60	1.1	12	21	31		3.18	3.20
A0050034		0.80	<0.5	6	1	2		0.007	
A0050035		1.62	<0.5	<5	1	67		0.005	
A0050036		1.91	<0.5	<5	1	5		<0.005	



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 4-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19151021

Project: Van Horne

This report is for 8 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 21-JUN-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 4-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19151021

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050037		1.05	<0.5	<5	26	33	<0.005	
A0050038		3.70	0.8	<5	23	125	0.005	
A0050039		1.09	<0.5	<5	12	108	<0.005	
A0050040		0.07	1.5	17	43	89	1.080	
A0050041		0.97	0.5	5	24	35	3.27	3.02
A0050042		2.95	<0.5	<5	23	51	0.075	
A0050043		1.66	4.2	12	28	171	>10.0	10.50
A0050044		0.67	0.7	<5	29	54	0.414	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-JUL-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19151021

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 4-SEP-2019
 Account: KECIBQJN

CERTIFICATE TB19198682

Project: Van Horne

This report is for 31 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 12-AUG-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 4-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19198682

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050513		1.59	<0.5	<5	6	17	<0.005	
A0050514		0.45	<0.5	<5	4	11	<0.005	
A0050515		0.85	<0.5	<5	2	10	<0.005	
A0050516		0.52	<0.5	<5	56	127	>10.0	11.00
A0050517		0.84	<0.5	<5	14	25	0.029	
A0050518		0.77	<0.5	<5	4	37	3.31	4.56
A0050519		1.49	1.7	8	5	25	1.035	
A0050520		0.07	<0.5	<5	21	35	0.007	
A0050521		1.08	<0.5	<5	26	85	0.005	
A0050522		0.58	<0.5	<5	17	68	0.141	
A0050523		0.91	<0.5	<5	10	51	0.300	
A0050524		0.82	<0.5	<5	65	120	1.225	
A0050525		0.99	<0.5	<5	15	7	0.125	
A0050526		0.65	<0.5	<5	8	<2	0.015	
A0050527		0.61	4.4	<5	6	5	<0.005	
A0050528		2.15	<0.5	<5	5	16	2.22	
A0050529		0.84	<0.5	<5	7	13	2.90	
A0050530		1.16	<0.5	<5	21	36	0.446	
A0050531		1.83	<0.5	<5	279	32	0.214	
A0050532		0.80	<0.5	<5	6	19	1.925	
A0050533		1.36	<0.5	<5	9	29	4.99	3.77
A0050534		0.93	<0.5	<5	34	43	0.013	
A0050535		1.39	1.7	<5	9	628	0.391	
A0050536		1.87	0.5	<5	25	454	0.015	
A0050537		1.24	<0.5	<5	9	47	0.008	
A0050538		1.50	1.2	<5	11	182	1.650	
A0050539		1.08	2.7	<5	66	650	2.99	
A0050540		0.07	1.3	16	40	88	1.045	
A0050541		1.33	4.0	<5	13	276	0.338	
A0050542		1.32	0.5	<5	118	94	0.074	
A0050543		0.86	<0.5	<5	7	35	0.014	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-SEP-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19198682

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19233616

Project: Van Horne

This report is for 65 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 18-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233616

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050544		0.50	<0.5	<5	12	103	<0.005	
A0050545		1.20	<0.5	<5	2	86	<0.005	
A0050546		1.27	<0.5	<5	13	91	<0.005	
A0050547		1.46	0.5	<5	57	90	<0.005	
A0050548		1.74	<0.5	<5	3	41	<0.005	
A0050549		1.26	<0.5	<5	3	112	<0.005	
A0050550		0.93	<0.5	<5	<1	35	<0.005	
A0050552		1.01	<0.5	<5	19	48	<0.005	
A0050553		0.46	<0.5	<5	1	37	<0.005	
A0050554		1.83	<0.5	<5	3	38	<0.005	
A0050555		2.38	<0.5	<5	7	114	<0.005	
A0050556		1.12	<0.5	<5	1	72	<0.005	
A0050557		0.94	<0.5	<5	1	13	<0.005	
A0050558		1.50	<0.5	<5	1	29	<0.005	
A0050559		1.22	<0.5	<5	2	51	<0.005	
A0050560		0.07	<0.5	6	20	35	<0.005	
A0050561		1.38	<0.5	<5	7	189	<0.005	
A0050562		1.03	<0.5	5	6	59	<0.005	
A0050563		1.12	2.4	<5	2	32	<0.005	
A0050564		1.59	<0.5	<5	8	95	<0.005	
A0050565		1.01	<0.5	<5	12	43	0.081	
A0050566		1.10	<0.5	5	32	31	0.044	
A0050567		1.36	<0.5	<5	19	48	0.660	
A0050568		1.43	0.9	<5	68	13	>10.0	17.25
A0050569		1.03	<0.5	<5	11	33	0.453	
A0050570		1.04	0.5	7	40	30	1.315	
A0050571		1.36	<0.5	<5	9	28	0.040	
A0050572		1.76	0.5	<5	82	61	0.174	
A0050573		0.89	<0.5	<5	9	15	0.053	
A0050574		2.27	<0.5	<5	6	22	0.005	
A0050575		1.48	<0.5	14	18	42	0.048	
A0050576		1.15	<0.5	<5	5	3	0.094	
A0050577		1.11	<0.5	<5	7	13	0.007	
A0050578		1.04	<0.5	<5	48	20	0.010	
A0050580		0.07	1.0	6430	50	69	7.23	NSS
A0050581		0.87	<0.5	9	21	86	<0.005	
A0050583		1.40	<0.5	5	20	73	0.014	
A0050584		1.48	0.6	6	6	47	<0.005	
A0050586		0.77	<0.5	<5	7	13	<0.005	
A0050587		1.38	<0.5	<5	3	40	<0.005	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233616

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050588		2.22	2.3	<5	40	105	8.82	9.77
A0050589		0.94	<0.5	<5	18	29	0.052	
A0050591		1.41	<0.5	5	8	27	0.205	
A0050592		1.31	<0.5	<5	90	62	0.080	
A0050593		1.97	<0.5	<5	4	27	<0.005	
A0050594		0.73	<0.5	<5	5	14	5.82	3.49
A0050595		1.50	<0.5	<5	19	21	0.006	
A0050596		0.89	<0.5	<5	2	7	<0.005	
A0050597		0.80	<0.5	<5	1	<2	<0.005	
A0050598		0.47	<0.5	<5	3	18	<0.005	
A0050599		0.51	<0.5	<5	10	79	<0.005	
A0050600		0.07	<0.5	5	21	38	<0.005	
A0050851		0.86	<0.5	<5	10	94	<0.005	
A0050852		0.95	<0.5	<5	1	11	<0.005	
A0050853		0.68	<0.5	<5	<1	38	<0.005	
A0050854		6.04	<0.5	<5	11	138	0.020	
A0050856		2.60	<0.5	<5	6	62	<0.005	
A0050857		0.47	<0.5	<5	1	18	0.013	
A0050858		1.51	<0.5	<5	3	57	<0.005	
A0050859		2.62	<0.5	<5	11	27	0.165	
A0050860		0.07	<0.5	<5	21	37	<0.005	
A0050861		1.36	<0.5	5	10	18	<0.005	
A0050862		0.76	<0.5	<5	3	32	<0.005	
A0050863		1.70	<0.5	<5	16	33	0.010	
A0050864		0.83	<0.5	<5	1	5	<0.005	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 9-OCT-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233616

CERTIFICATE COMMENTS												
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21	Au-AA24	Au-GRA22	ME-ICP61
CRU-31	CRU-QC	LOG-21	LOG-23									
PUL-31	PUL-QC	SPL-21	WEI-21									
Au-AA24	Au-GRA22	ME-ICP61										



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19240223

Project: Van Horne

This report is for 24 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 18-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19240223

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0051056		0.42	<0.5	<5	5	114	0.027	
A0051057		1.23	<0.5	<5	69	88	<0.005	
A0051058		1.20	<0.5	<5	56	103	<0.005	
A0051059		1.57	<0.5	<5	58	98	<0.005	
A0051060		1.83	<0.5	<5	37	107	<0.005	
A0051061		2.40	<0.5	<5	34	115	0.020	
A0051062		1.30	<0.5	<5	16	13	<0.005	
A0051063		1.26	<0.5	<5	73	22	0.935	
A0051064		1.95	0.9	5	167	108	0.512	
A0051065		0.66	<0.5	<5	40	75	<0.005	
A0051066		0.97	<0.5	<5	34	83	<0.005	
A0051067		0.07	<0.5	<5	21	34	0.017	
A0051068		0.74	<0.5	<5	6	26	0.591	
A0051069		0.56	<0.5	<5	4	104	<0.005	
A0051070		2.78	<0.5	<5	10	33	<0.005	
A0051071		0.31	<0.5	<5	2	10	0.005	
A0051072		0.56	<0.5	<5	4	47	<0.005	
A0051073		0.79	<0.5	<5	10	129	0.062	
A0051074		0.68	<0.5	<5	19	208	0.807	
A0051075		0.88	<0.5	<5	77	139	<0.005	
A0051076		4.63	<0.5	<5	2	53	0.015	
A0051077		0.52	<0.5	<5	2	12	4.82	2.69
A0051078		0.07	1.7	17	43	87	1.015	
A0051079		1.10	<0.5	<5	3	44	0.376	

**Appendix F: D. Lewis' "2019 Structural and Lithological
Geological Mapping" Report**

2019 STRUCTURAL AND LITHOLOGICAL GEOLOGICAL MAPPING, VAN HORNE PROJECT, DRYDEN, ONTARIO

Prepared for:

KG Exploration (Canada)
A wholly owned subsidiary of
Kinross Gold Corporation

25 York Street, 17th Floor

Toronto, Ontario, Canada

M5J 2V5

Tel: 416-365-5123

Report Prepared by:

David T. Lewis, M.Sc., P.Geo.

27 Lighthouse Street

Whitby, Ontario, Canada

L1N 9R9

October 7, 2019

Executive Summary

The Van Horne property, which contains numerous orogenic, narrow vein hosted gold occurrences, was mapped and sampled as part of a larger work program directed by KG Exploration (Canada) in 2019. Previous mapping, not directed by KG Exploration, was insufficient to explain currently known mineralization and was not useful in the prediction of new mineralization. The 2019 mapping involved both property-scale and detailed mapping of newly-stripped areas. The property-scale mapping, approximately 1:2,000 scale, was focused on areas of known gold mineralization, including Glatz-Vanlas, Lone Jack and League-Larson. Detailed mapping, approximately 1:250 scale, was done at Glatz West, Glatz East and Bonanza. The property-scale work was done in order to constrain and determine the geometry of rock units, document and sample prospective areas and predict follow-up areas, whereas the detailed mapping was done to constrain rock units, structures and veining in advance of follow-up drilling.

Three major supracrustal rock units, as well as several intrusive rocks, were mapped. The supracrustal rocks include mafic and felsic volcanic and intermediate volcanoclastic rocks. The intrusive rocks include gabbros, porphyritic gabbros, diorites, quartz-feldspar porphyrys and felsic intrusive rocks.

Two phases of deformation control the geometry of the rocks at the Van Horne property. Early (D1), shallowly-plunging folds are associated with a steeply-plunging stretching lineation and flattening foliation. Late (D2), steeply-plunging S-shaped asymmetric folds, sinistral and dextral faults and a micaceous foliation overprint the early deformation. Gold mineralized veins, including both fault-hosted and extensional veins, are genetically related to the late deformation. Mineralized zones occur primarily within short limbs of the asymmetric F2 folds, especially near rock contacts. Folds with the largest amplitude, such as at the historic Redeemer mine site, and rock contacts with the highest difference in competency, such as the contact between competent felsic volcanic and relatively incompetent intermediate volcanoclastic rocks, are interpreted to be the best targets for exploration.

All studied gold occurrences, including Glatz, Vanlas, Larson, Redeemer, Lost and League, occur as narrow, orogenic D2 fold / fault systems at, or near, lithological contacts. The Lone Jack occurrence is slightly different, where gold-bearing extensional quartz veins are hosted within a plug of quartz-feldspar porphyry, but the veins are interpreted to have been formed during the same D2 folding / faulting event.

Recommended follow-up work largely involves tracing large fold hinges or faults to rock contacts with large competency contrasts. Other recommendations include reprocessing detailed magnetic geophysical surveys to test for mineralized structures and re-evaluating the orientation of drilling. If additional regional exploration is warranted, follow-up work and/or the acquisition of mineral rights are recommended near the fault intersection of the crustal-scale Wabigoon and Manitou-Dinorwic faults or to nearby property-scale folds.

Introduction

The Van Horne property is hosted by the Archean supracrustal rocks of the Western Wabigoon subprovince and is located approximately 10 km southwest of Dryden, Ontario (Figure 1). The property hosts gold mineralization, with two historic mines (Bonanza and Redeemer) and several significant (Glatz, Vanlas, Lost, League, Little Jumbo, Good Luck, Larson, Lone Jack, Golden Moose, Ideal, Widow and Golden Park) gold occurrences (Figure 2). The gold is hosted in narrow (<2m wide) quartz-carbonate veins or vein networks.

A mapping program was initiated by KG Exploration in 2019 to investigate the lithological and structural setting of known gold mineralization and to predict additional mineralization. Property-scale (~1:2,000 scale) work was done at the Glatz-Vanlas, Lone Jack and League-Larson areas and detailed (~1:250 scale) work was done at the newly-stripped Bonanza, Glatz West and Glatz East areas. Additional mapping by P. Clark and M. Roberts of Clark Exploration Consulting Inc. was also done in 2019 and is briefly discussed.

General Geology

The Van Horne property lies in the mafic volcanic dominated Archean Western Wabigoon Subprovince of northwestern Ontario. The property lies approximately 7 km south of the E-W striking Wabigoon Fault, 30 km northwest of the NE-SW striking Manitou-Dinorwic Fault and 5 km north of the ovoid Atikwa Batholith (Figure 1). Rocks on the Van Horne property primarily consist of Archean volcanic and volcanoclastic rocks, with lesser sedimentary and intrusive rocks. The volcanic rocks are dominated by fine-grained mafic flows, with massive, pillowed and autobrecciated flow facies. The volcanoclastic rocks, slightly more siliceous than the mafic flows, consist of monomictic tuff, lapilli tuff, lapillistone and minor tuff breccia. The monomictic clasts, where present, are frequently amoeboid and the matrix is commonly more chloritic relative to the clasts. Bedding is preserved in the tuffs and occasionally in the tuff breccias. Minor, newly-recognized conglomerates are also present with limited distribution. These poorly sorted conglomerates consist of polyolithic angular clasts, including bedded and foliated clasts, suggesting syn- to post-tectonic deposition. Intrusive rocks include a variety of medium- to coarse-grained mafic to felsic plutons, including quartz-feldspar porphyry (QFP) dikes and plugs.

Bedding is commonly preserved in the volcanoclastic tuffs and lapilli tuff (Figure 3). Volcanic flow facies, which follow an idealized massive-pillowed-autobrecciated sequence, can sometimes be traced along strike. Younging indicators, such as volcanic pillow shape, draping and trapdoor features, idealized volcanic flow facies (massive-pillowed-brecciated) and grading in volcanoclastic rocks, suggest early, shallowly-plunging folding. Bedding generally strikes ENE and dips steeply, although rhythmic variations suggest subsequent, steeply-plunging folding. Two commonly-preserved foliations are present in the rocks. The earlier foliation (S1) is mainly defined by flattening of clasts, whereas the later foliation (S2) is defined by the alignment of micaceous minerals, primarily chlorite and sericite (Figure 4). A weak, third, spaced foliation (S3) is occasionally preserved. A variably-developed stretching lineation lies along the early flattening foliation plane and is folded about the later micaceous foliation. Where both are measured, the early flattening foliation is generally subparallel to bedding. A table of structural relationships is presented in Table 1.

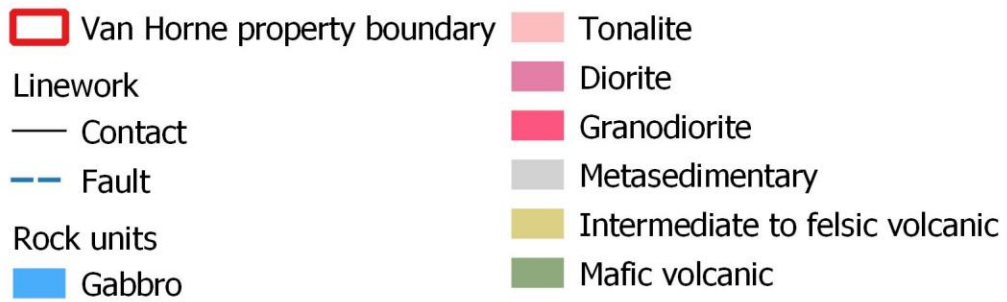
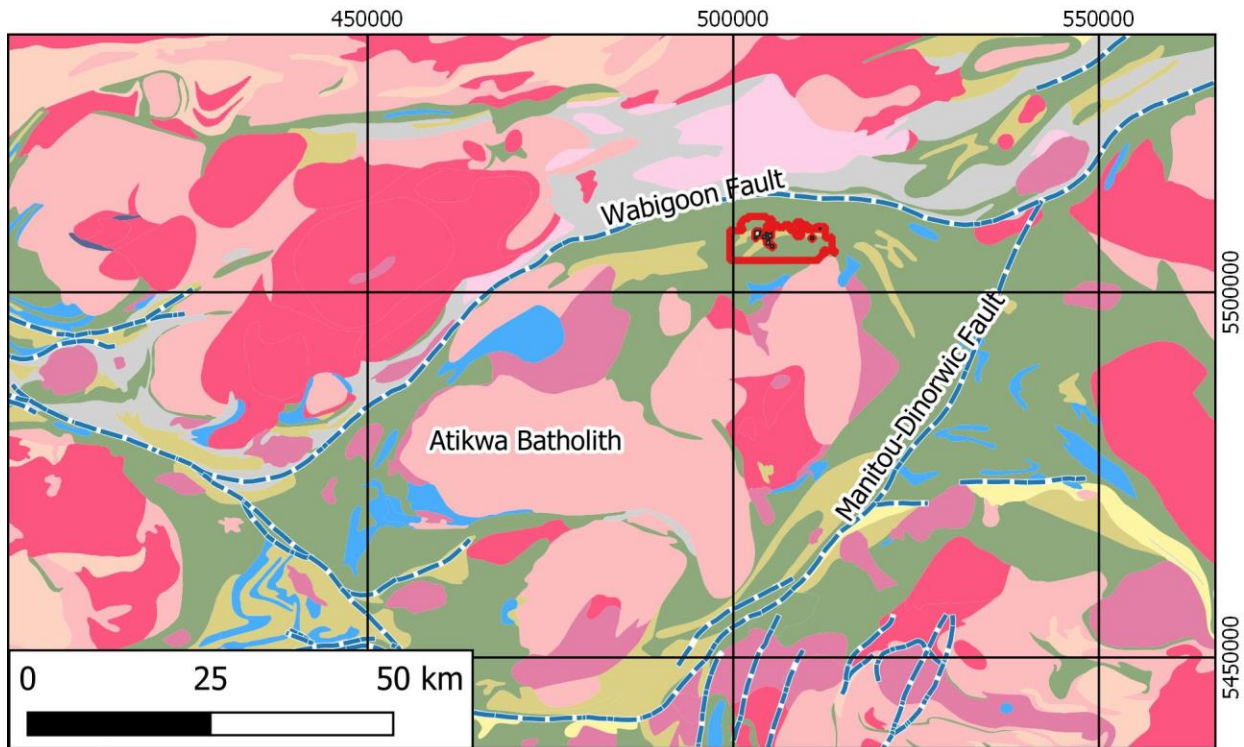


Figure 1: Location and geological setting of the Van Horne property

1:1,000,000 scale
 UTM NAD83 Zone 15N

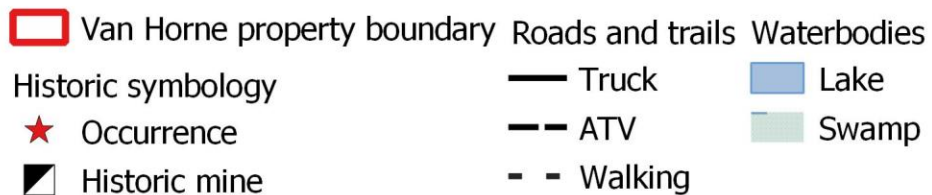
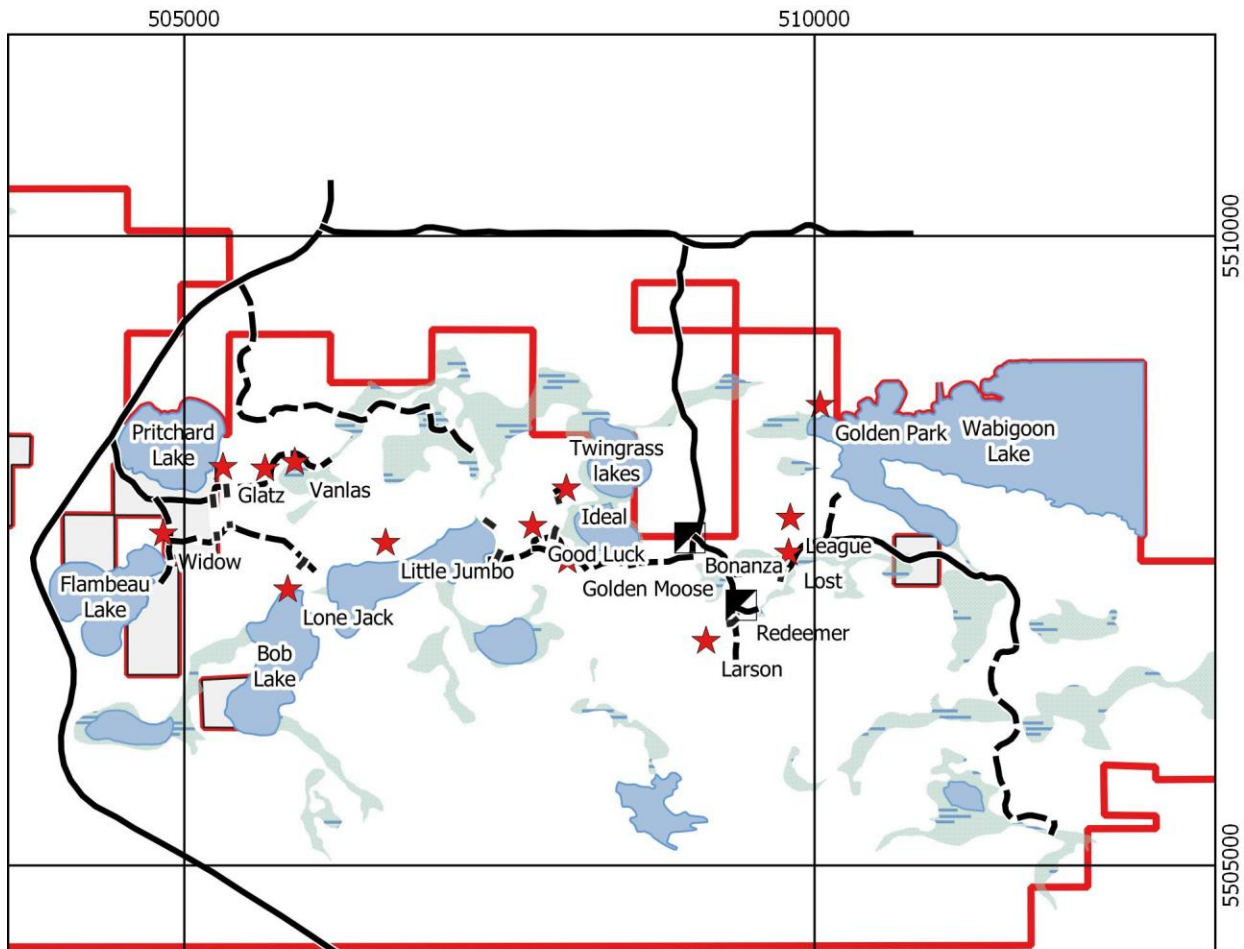


Figure 2: Access and location of known gold mineralization of the Van Horne property

1:60,000 scale

UTM NAD83 Zone 15N



Figure 3: Intermediate volcanoclastic rock with bedding defined by alternating parallel tuffaceous and lapilli tuff layers. Station 19DL017 (UTM NAD83 Zone 15N 509562mE, 5507286mN).



Figure 4: Intermediate volcaniclastic rock preserving an early flattening foliation that is overprinted by a late micaceous foliation. Station 19DL006 (UTM NAD83 Zone 15N 505772mE, 5507448mN).

Deformation	Foliation	Lineation	Folding	Faulting	Interpretation
D3	Spaced foliation, generally strikes NNE-SSW	None recognized	Gentle folding	None recognized	Late folding
D2	Micaceous foliation, generally strikes ENE-WSW	None recognized	Steeply-plunging asymmetric folds. Dominantly S-shaped, lesser Z-shaped	Reactivated E-W striking D1 faults, dextral. Minor NE-SW striking sinistral faults	Related to Au-mineralization. Dextral reactivation of D1 structures, influenced and controlled by Wabigoon Fault and Atikwa Batholith
D1	Flattening foliation, subparallel to bedding. Generally strikes NE-SW	Steeply-plunging stretching lineation	Shallowly-plunging isoclinal folding	Steep reverse faults, commonly striking E-W	Early fold and thrust stacking, vertical tectonism

Table 1: Interpreted sequence of deformation at the Van Horne property, Ontario. Gold mineralization is interpreted to have been emplaced during D2.

A significant part of this report describes fold geometry so a primer on folding is included for reference. Figures 5 and 6 show the geometrical relationship between these features. A fold refers to

A curve or bend of a planar structure such as rock strata, bedding planes, foliation, or cleavage. A fold is usually the product of deformation, although its definition is descriptive and not genetic and may include primary structures (Neuendorf, Mehl and Jackson 2005).

A fold hinge is the point of maximum curvature of a fold (sometimes the curved area is referred to as a hinge zone) with the remainder as fold limbs. A fold plunge refers to a hinge line that connects all the points on a hinge of a single folded plane in 3D space. If a series of points is located on the hinge of a series of folds, the axial plane connects those points and an axial planar foliation is parallel to the axial plane (Figure 5). Folds typically occur with sinusoidal geometry, meaning that folds develop rhythmically from peaks into troughs (Figure 5).

Symmetric folds refer to folds with opposite limbs of equal lengths whereas asymmetric folds refer to folds with opposite limbs of unequal lengths (Figure 6). Parasitic folds are small-scale folds that reflect the orientation and geometry of the larger scale fold (Figure 6). These parasitic folds generally display symmetry or asymmetry relative to the host, large-scale fold: if parasitic folds occur on a large-scale fold hinge, they are generally symmetric, whereas if they occur on a large scale fold limb, they are generally asymmetric (Figure 6). Asymmetric folds can be referred to using S- and Z-shaped nomenclature (Figure 6). From a field perspective, the relative orientation of bedding to the axial planar foliation is used to determine fold geometry: if bedding is oriented anticlockwise to axial planar foliation, the locality preserves Z-asymmetry; if bedding is oriented clockwise to axial planar foliation, the locality preserves S-asymmetry; if bedding is oriented perpendicular to axial planar foliation, this is a fold hinge (Figure 6). Large-scale asymmetric folds maintain this Z- M- S-shaped fold asymmetry / symmetry, but corresponding Z- or S-shaped parasitic folds dominate such an area (Figure 6).

Lone Jack area

The Lone Jack area hosts the Lone Jack showing and, due to a lack of previous work, was selected for detailed mapping (Figure 7). The area is dominated by intermediate volcanoclastic rocks, ranging from tuff to lapillistone. Discontinuous fine- to medium-grained mafic rocks, interpreted as gabbroic, are present in the northwest part of the area and mafic volcanic rocks, including pillowed and massive facies, are present in the east and southeast part of the area. The Lone Jack occurrence is hosted by a plug of quartz-feldspar porphyry (QFP), with several QFP dikes occurring throughout the area.

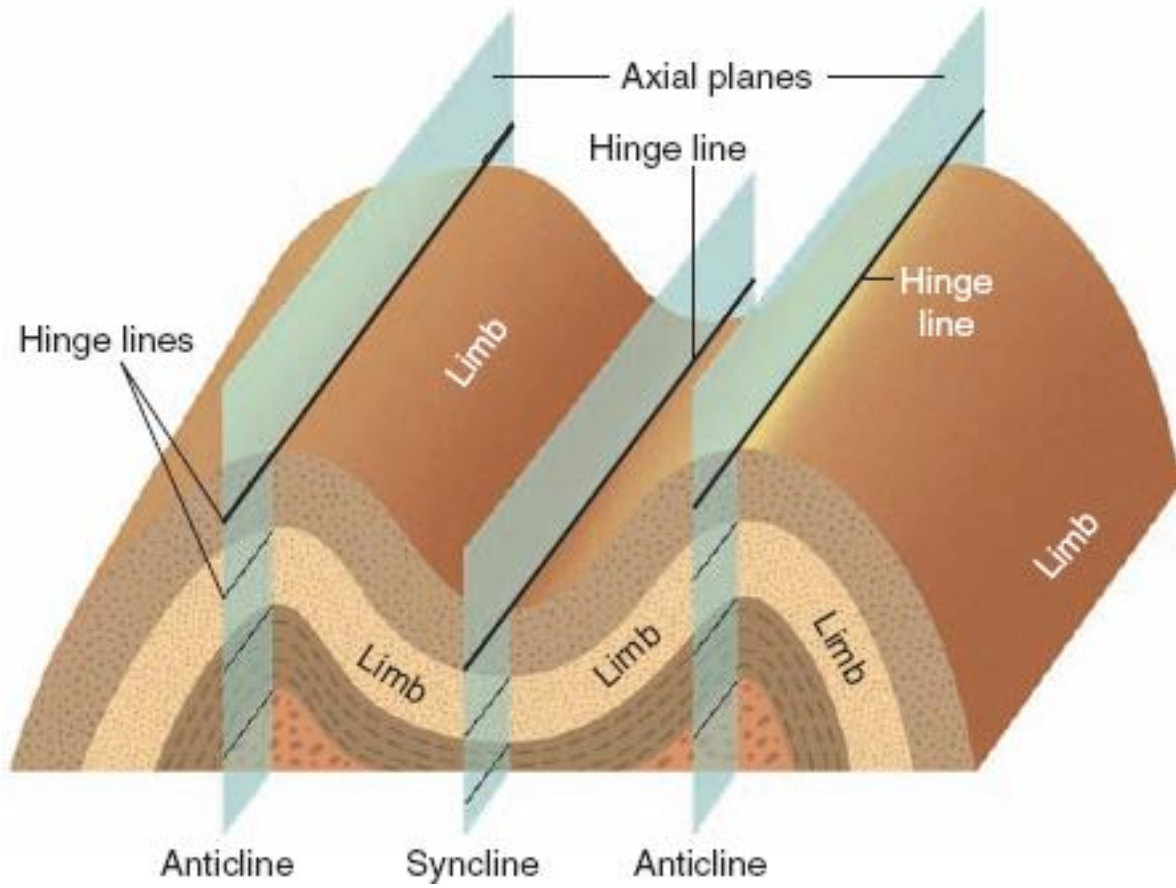


Figure 5: Diagram showing the geometric nomenclature of folds.

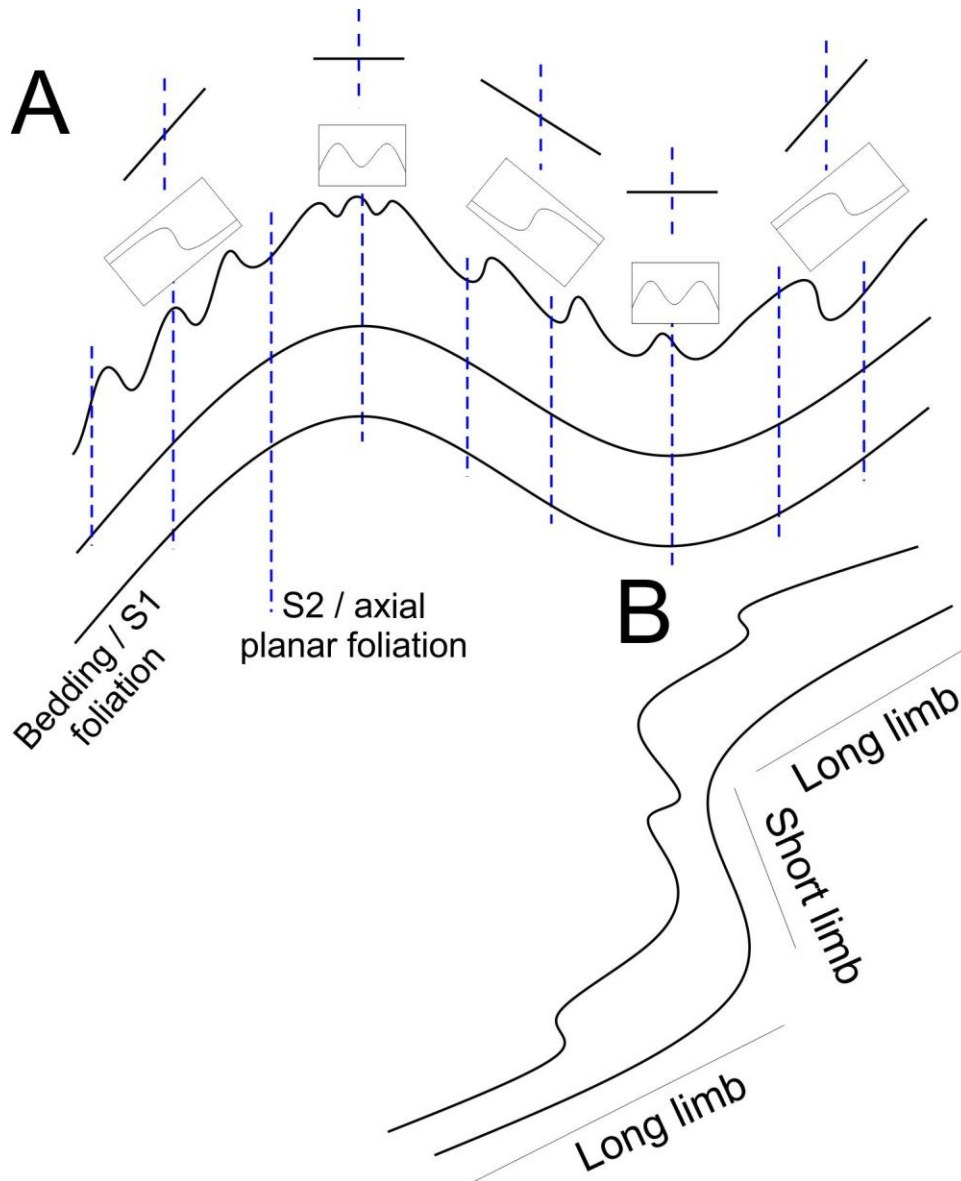


Figure 6: A) Diagram showing parasitic fold symmetry and asymmetry, as well as relative bedding / foliation orientations relative to fold geometry. B) Diagram showing asymmetric folds with associated asymmetric parasitic folds and long vs. short limb geometry. Note that this diagram shows an S-shaped fold and that the long limb preserves S-shaped parasitic folds whereas the short limb preserves Z-shaped parasitic folds.

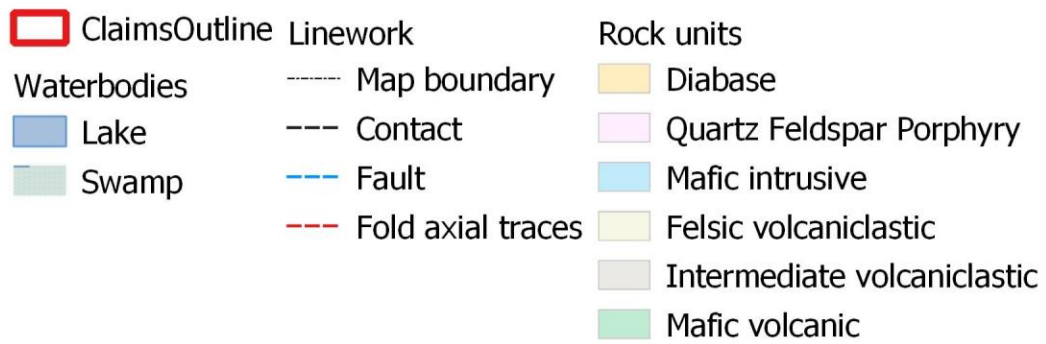
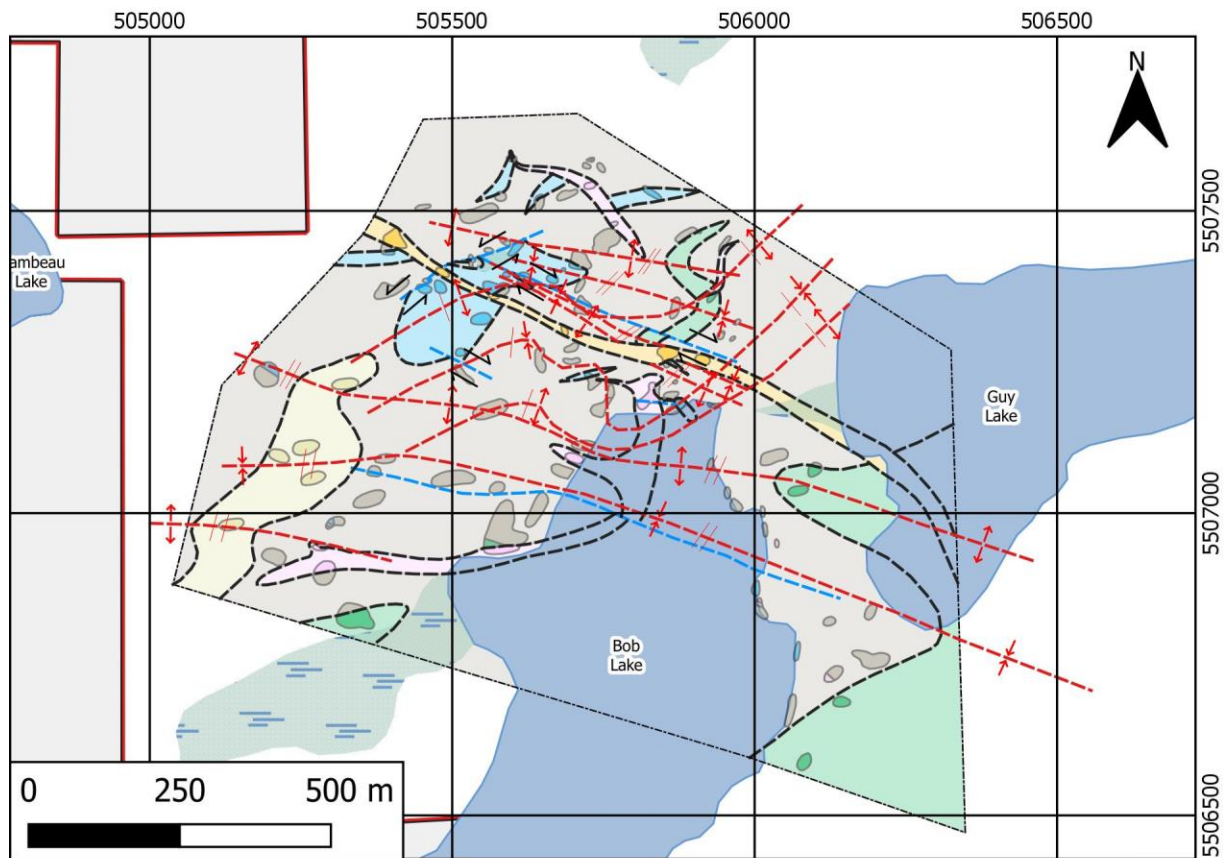


Figure 7: Location and geological setting of the Lone Jack area, Van Horne property

1:12,500 scale
UTM NAD83 Zone 15N

A large proportion of bedding measurements, as well as foliation measurements, were taken in the Lone Jack area. Bedding was taken exclusively in intermediate volcanoclastic rocks, which preserve an assortment of clast size, ranging from tuff to lapillistone. A map of the distribution of clast sizes of the volcanoclastic rocks at Lone Jack shows that the tuffaceous rocks cluster and that bedding dips away from the cluster, suggesting several dome and basin-like structures in the Lone Jack area (Figure 8), interpreted as the result of F1 / F2 fold interference. The interpreted F1 fold traces are plotted in Figure 8.

The majority of the bedding measurements in the Lone Jack area strike WSW and dip steeply north, with a point maximum of 255°/84° (Figure 9). However, bedding measurements form a great circle when plotted on a stereonet diagram (Figure 9) and a significant proportion of measurements strike north and dip steeply west (approximate second point maximum 172°/80°), suggesting that bedding is folded. A great circle of these measurements shows an F2 fold axis plunging 75° towards 254°. When the early flattening foliation is plotted on a stereonet diagram, it shows a similar and complimentary pattern to bedding (Figure 10): a point maximum at 242°/89° and measurements form a girdle about the diagram. A great circle of this girdle shows an F2 fold axis plunging 84° towards 255°. The stereonet of bedding and the early flattening foliation show that bedding has a larger range in subvertical dip relative to the flattening foliation despite fewer measurements, suggesting the presence of early F1 shallowly-plunging folds (where bedding would dip less steeply than an axial planar flattening foliation). The late micaceous foliation shows a maximum point density at 102°/88° but does not demonstrate a girdle like bedding and the early foliation (Figure 11). Geometrically, the calculated, steep F2 fold plunge of both bedding and the early foliation lies along the maximum density plane of the late foliation (Figure 12). Thus, the Lone Jack area is interpreted to have undergone F1 sub-horizontal folding, with the S1 flattening foliation as an axial plane, followed by F2 subvertical folding, with the S2 micaceous foliation as an axial plane. The QFP intrusions only preserve the micaceous foliation, suggesting emplacement between F1 and F2 folding.

The distribution of quartz veins, including known gold-bearing veins at the Lone Jack and Lone Jack NW occurrences, intensifies in fold hinges, near lithological contacts and within quartz-feldspar porphyritic intrusions. The main Lone Jack occurrence, which is hosted by a large QFP plug, contains *en echelon* (parallel) extensional veins that strike clockwise relative to the late micaceous foliation. Outside of the QFP, both extensional veins (oblique to foliation) and fault-hosted (foliation parallel) veins are documented. On a stereonet diagram (Figure 13), the orientation of these veins is relatively consistent and largely overlaps. In the F2 fold hinges, the width and frequency of the extensional veins increases, particularly at rock contacts. At the Lone Jack NW occurrence, two small-scale faults come together (Figure 14), with the NE-striking fault preserving sinistral kinematics, whereas the SE-striking fault preserves dextral kinematics. The late micaceous foliation acts as an S-plane in an S-C fabric relationship in both faults, suggesting that the faults are conjugates. Both faults are associated with mineralized veins, but the fault intersection is not exposed.

Other QFP intrusions, similar to the QFP plug hosting the main Lone Jack occurrence, are present in the area. One QFP dike, which was traced for 300m along strike, hosts an increasing density quartz veins from the west towards the shore of Bob Lake. The enhanced distribution of QFP intrusions in the Lone Jack area relative to other areas within the property may suggest a magmatic center beneath Bob Lake.

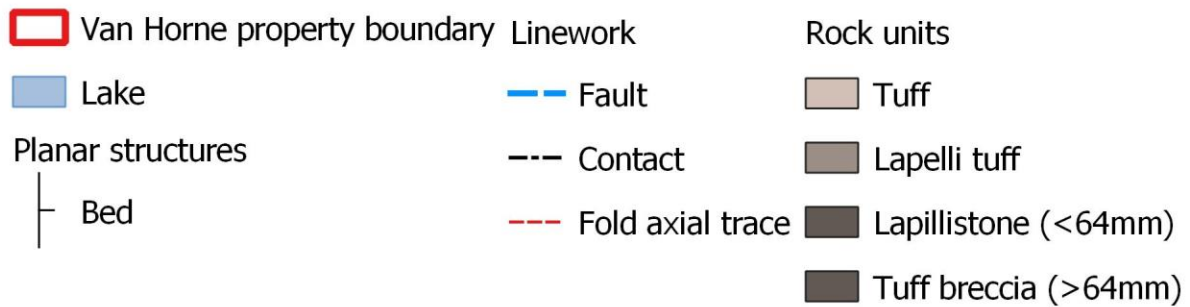
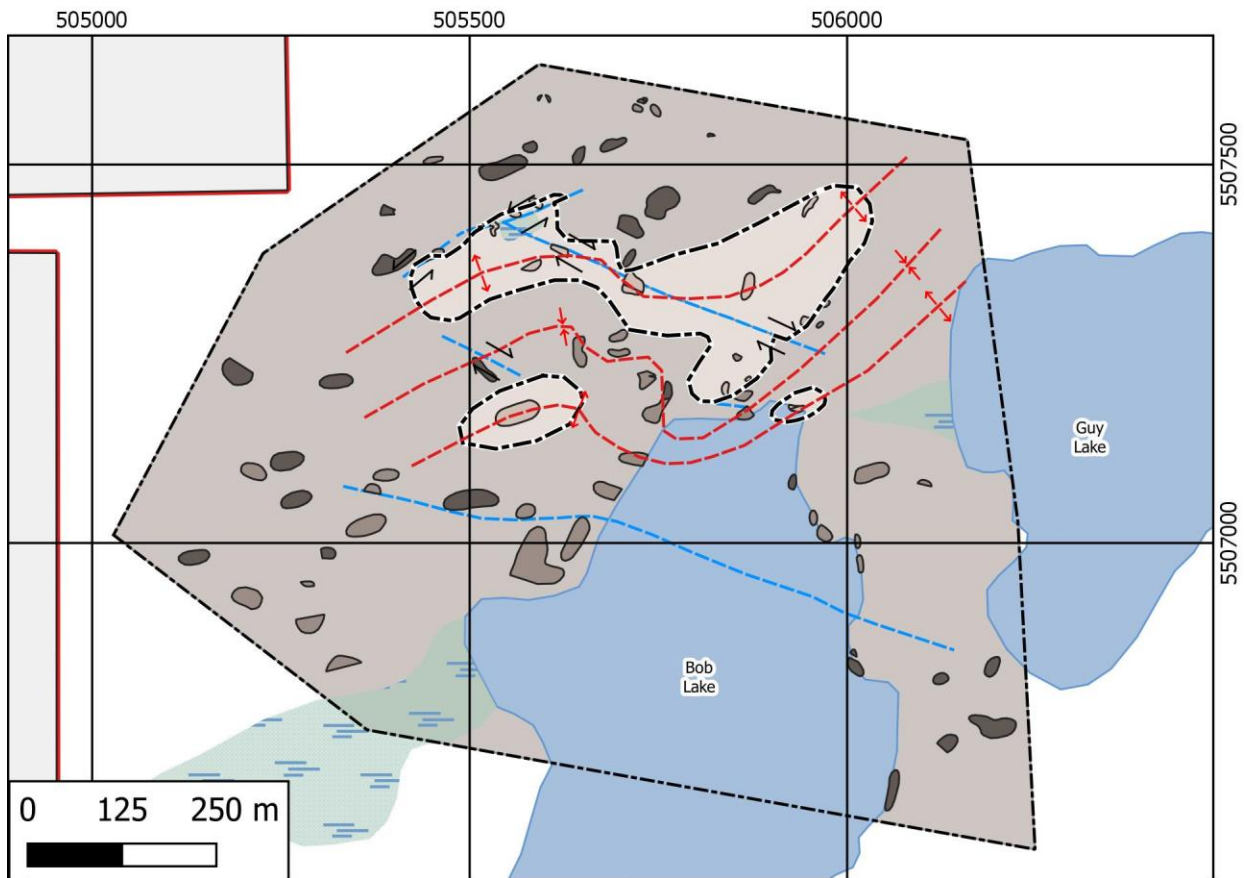


Figure 8: Geological map showing the distribution of tuff relative to coarser volcanoclastic rocks in the Lone Jack area. The distribution of tuff is interpreted to be a function of early F1 folding (F1 fold axes shown)

1:10,000 scale
 UTM NAD83 Zone 15N

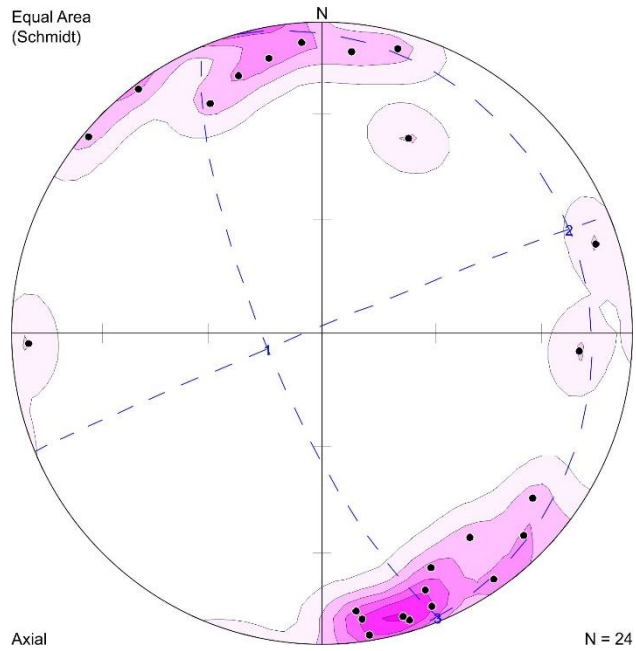


Figure 9: Stereonet of bedding in the Lone Jack area. Measurements are plotted as pole to the plane.

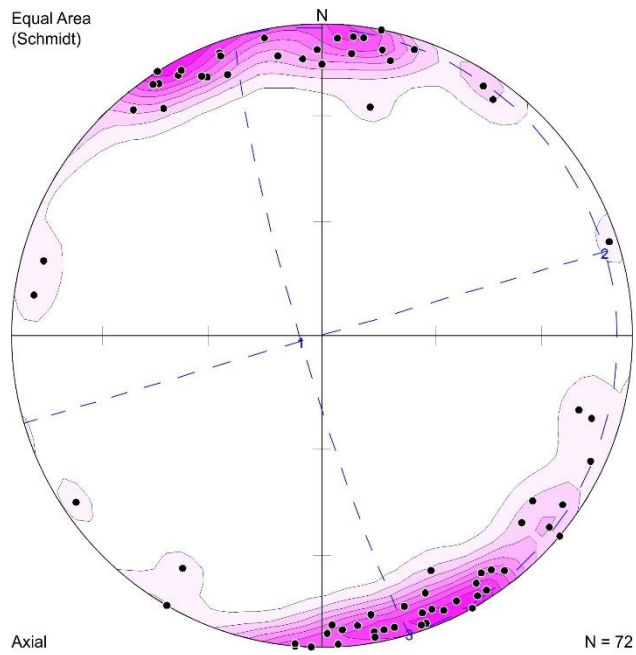


Figure 10: Stereonet of early S1 flattening foliation in the Lone Jack area. Measurements are plotted as pole to the plane.

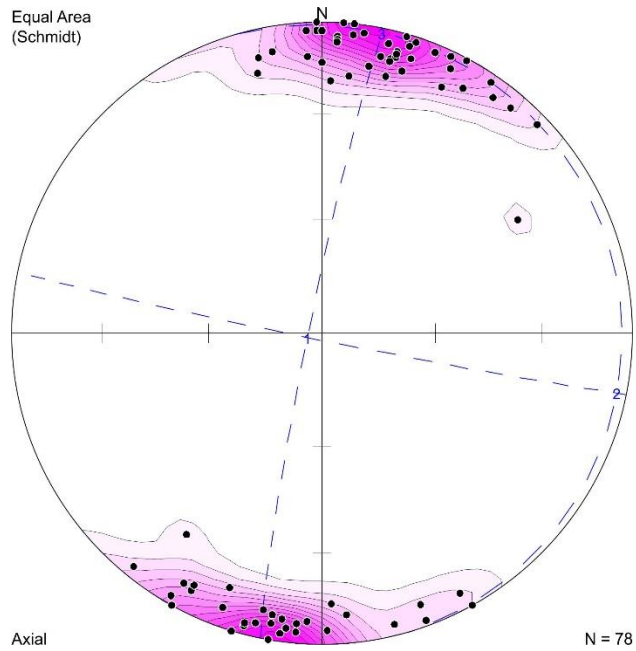


Figure 11: Stereonet of late S2 micaceous foliation in the Lone Jack area. Measurements are plotted as pole to the plane.

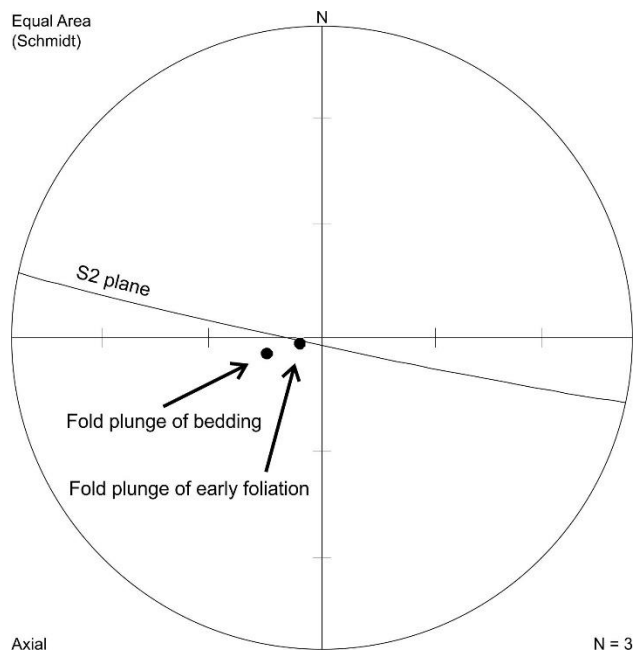


Figure 12: Stereonet of F2 fold plunge relative to S2 foliation in the Lone Jack area.

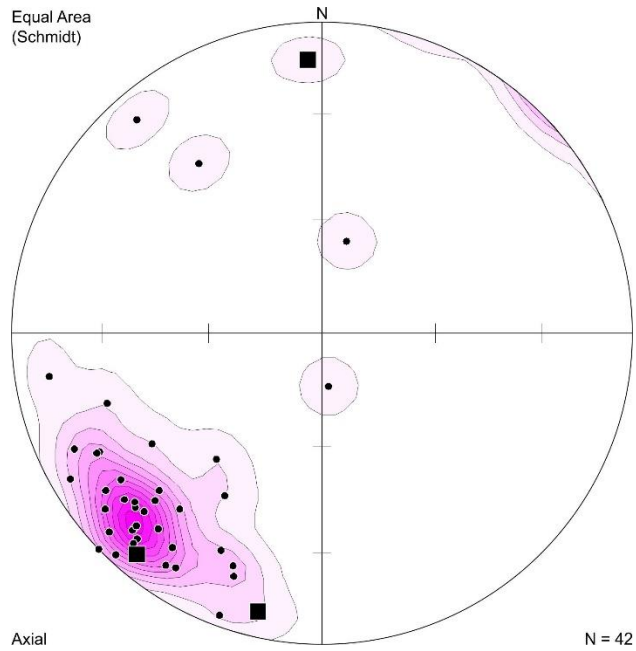


Figure 13: Stereonet of veins in the Lone Jack area. Measurements are plotted as pole to the plane. Extensional veins are plotted using a circular symbol whereas fault-hosted veins are plotted using a square symbol.

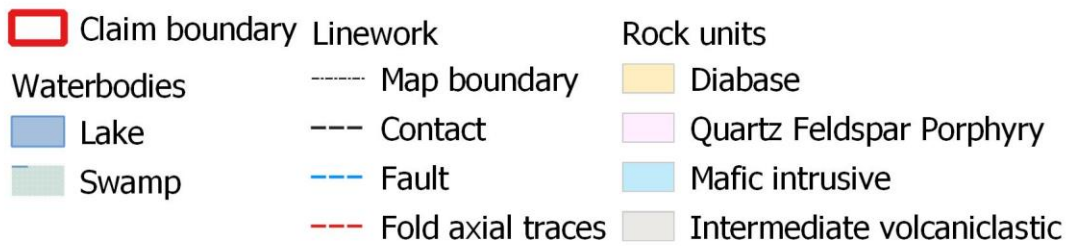
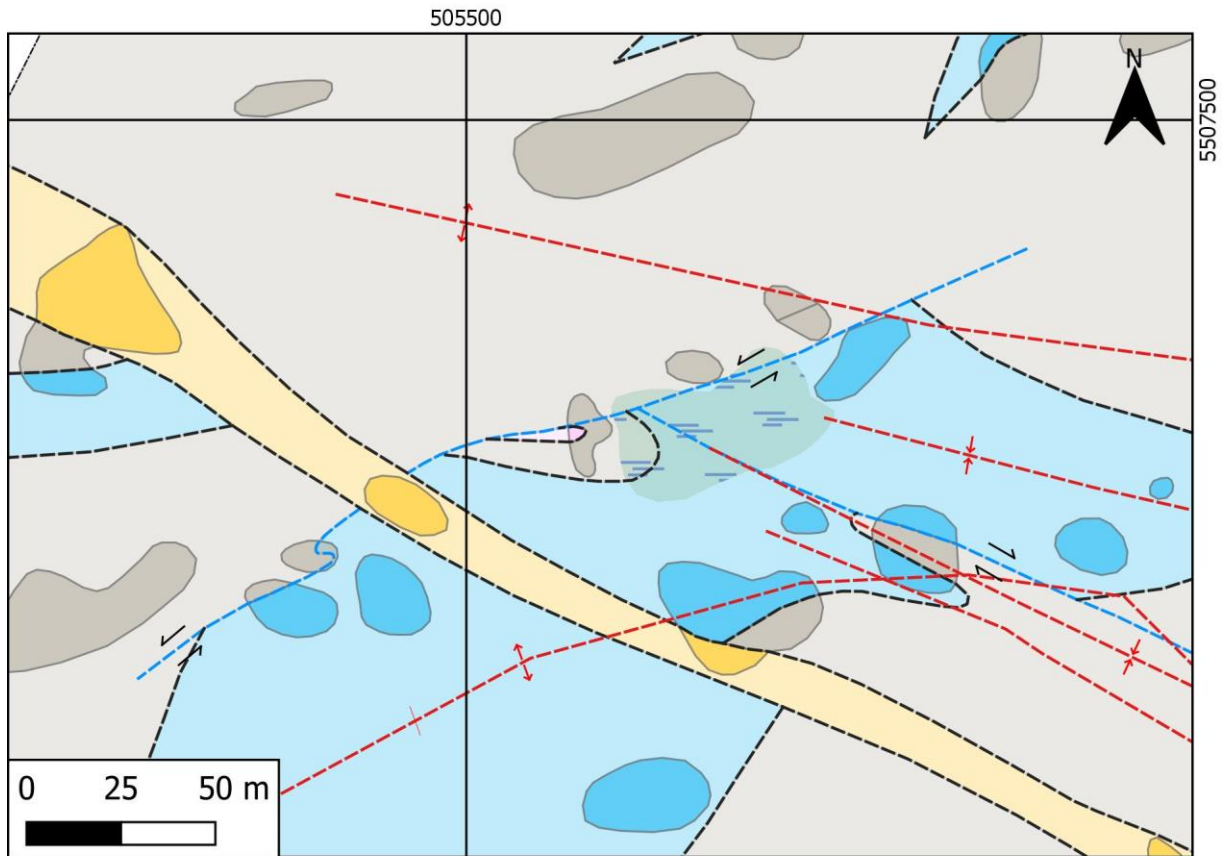


Figure 14: Location and structural geological setting of the NW Lone Jack showing, Van Horne property

1:2,000 scale
UTM NAD83 Zone 15N

Glatz-Vanlas area

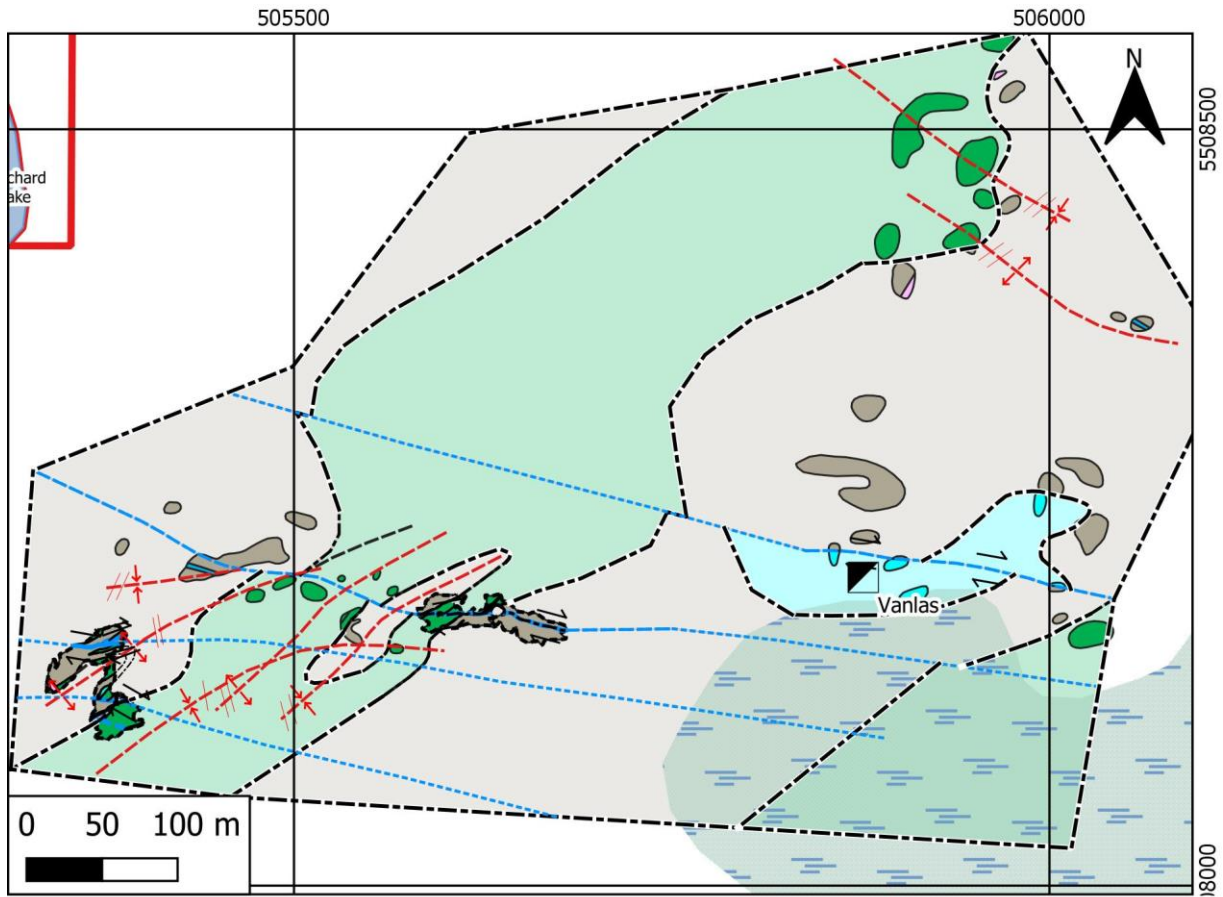
The Glatz-Vanlas area (Figure 15) hosts several significant gold occurrences. Two areas were stripped in 2019: the Glatz West and Glatz East occurrences. As a result, both property- scale and detailed mapping was done in the area.

The Glatz-Vanlas area is dominated by mafic volcanic, intermediate volcanoclastic and intermediate intrusive rocks. The western Glatz occurrence lies near the folded and faulted contact between mafic volcanic and intermediate volcanoclastic rocks, whereas the eastern Vanlas occurrence lies near the faulted contact between intermediate volcanoclastic and volcanic rocks and a moderate-sized intermediate (diorite) plug. Unfortunately, due to swamp cover and a lack of outcrop, the southern extent of this diorite is unknown.

Bedding was documented in several areas at Glatz-Vanlas. Similar to the Lone Jack area, the majority of bedding measurements strike WSW with a subvertical dip, although a subset strikes NE to NW and dips steeply west (Figure 16). The distribution of orientations wraps around the diagram and, when a great circle is plotted, shows an F2 fold axis plunging 86° towards 241° . Younging indicators, specifically volcanic flow facies and pillow shape, show conflicting facing directions and suggest that other folds are present. At the Glatz East stripped area, bedding trends NE and pillow tails, pillow trapdoor blowout, and a volcanic facies change from pillowed to autobreccia suggest that rocks become younger to the NW. Across strike to the northwest, bedding continues to trend NE and there is a rhythmic change from brecciated to massive to brecciated, interpreted as a structural repetition of rocks through folding. At the Glatz West stripped area, a volcanic autobreccia trends NE and preserves normal grading suggesting younging to the SE. These changes in younging direction are not consistent with steep folding, as all occur on the same NE-striking fold limb, but they can be explained through shallowly-plunging F1 isoclinal folding.

Both the early flattening and late micaceous foliation are present in the Glatz-Vanlas area. The early flattening foliation is subparallel to bedding, suggesting early shallowly-plunging F1 folding, and it is used as a proxy where bedding is not present. The relative orientation of bedding/flattening foliation to the micaceous foliation, as well as the S- or Z-shaped asymmetry of parasitic folds, was used to show the presence of property-scale F2 folds (Figure 6, 15). A large F2 fold occurs to the north of the Glatz-Vanlas area and a smaller F2 fold occurs at the Glatz West stripped area. Stereonet diagrams of the early flattening foliation (Figure 17) and late micaceous foliation (Figure 18) are presented.

These foliations also control the kinematics and distribution of E-W striking faults in the area. The northern fault at the Glatz West stripped area (Figure 19), which occurs along the short limb of a larger asymmetric fold, is parallel to early flattening, while the micaceous foliation is anticlockwise to the fault. In other words, the fault reactivates the flattening foliation as a C-plane while the micaceous foliation is the S-plane in a dextral S-C fabric relationship. In contrast, the southern fault at the Glatz West stripped area, which occurs along the long limb of a larger asymmetric fold, cuts across early flattening. The micaceous foliation again acts as a dextral S-plane to the fault. At the Glatz East stripped area (Figure 20), a thin fault cuts and dextrally offsets a NE-striking volcanic flow within a larger volcanoclastic sequence. The fault strikes E-W through the volcanic rocks but it jogs approximately 15° in strike clockwise once it passes into the volcanoclastic rocks with a corresponding jump in alteration and veining. To the east, the fault is not exposed. To the west, further mapping and subsequent rock



Historic symbology	Linework	Polygons from lines
▣ Shaft	--- Map boundary	□ Quartz Feldspar Porphyry
▣ Claim boundary	- - - Contact	□ Diorite
Waterbodies	- - - Fault	□ Mafic intrusive
□ Lake	- - - Fold axial traces	□ Intermediate volcanoclastic
□ Swamp		□ Mafic volcanic

Figure 15: Location and geological setting of the Glatz-Vanlas area, Van Horne property

1:6,000 scale
UTM NAD83 Zone 15N

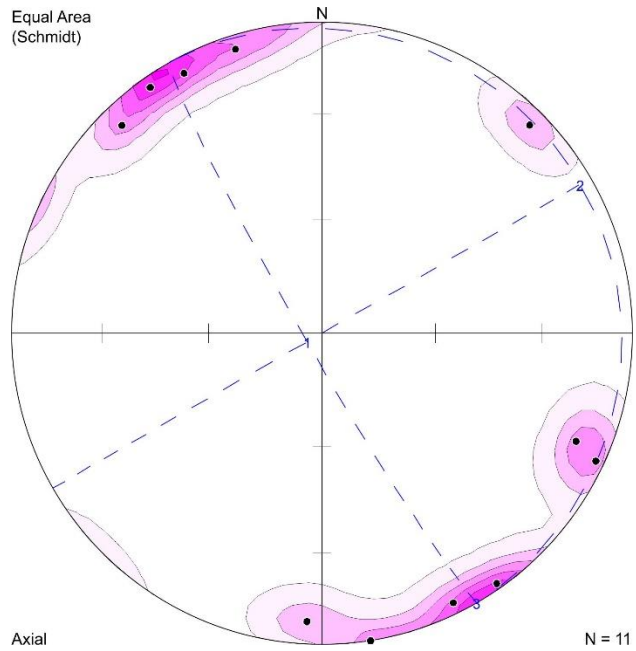


Figure 16: Stereonet of bedding in the Glatz-Vanlas area. Measurements are plotted as pole to the plane.

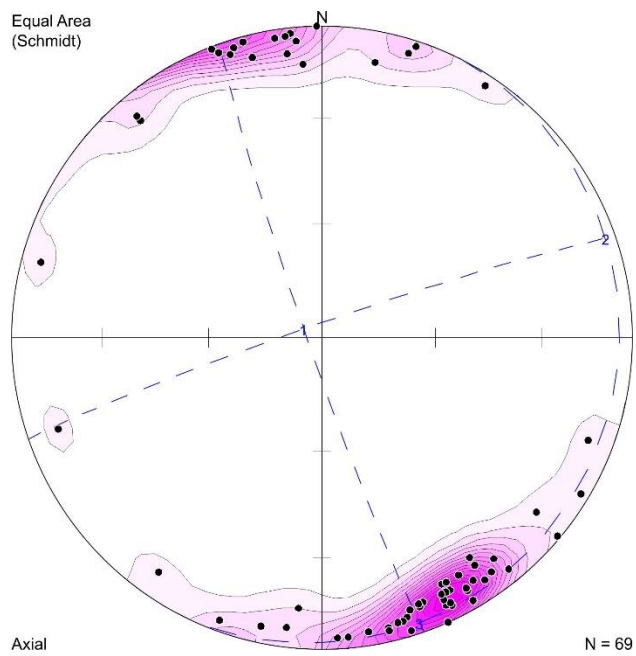


Figure 17: Stereonet of early S1 flattening foliation in the Glatz-Vanlas area. Measurements are plotted as pole to the plane.

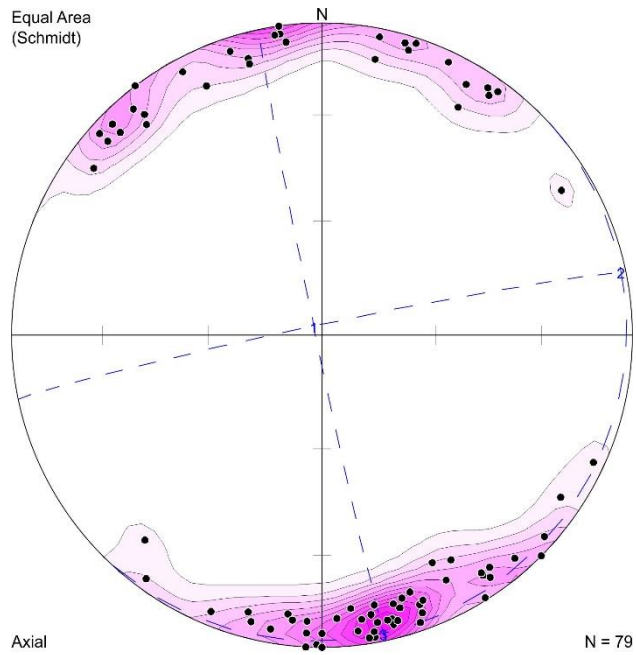
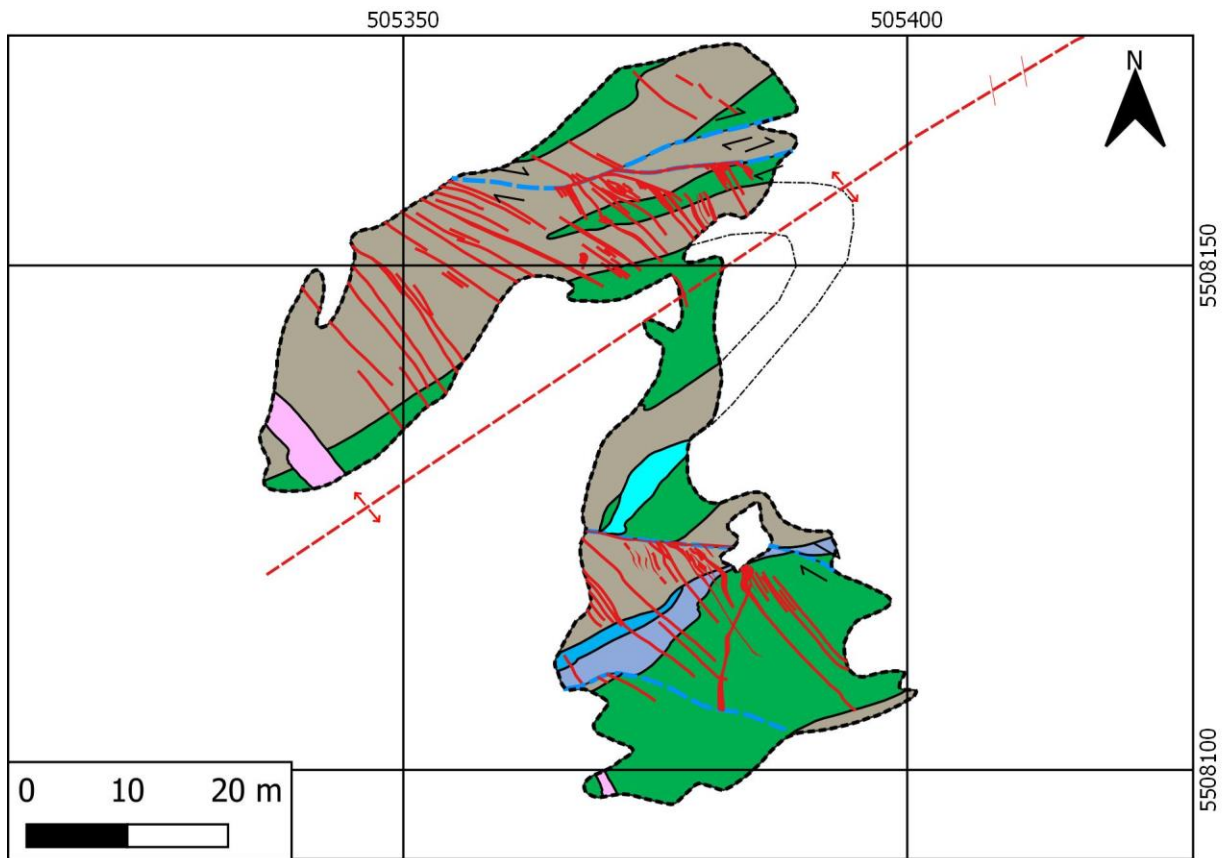


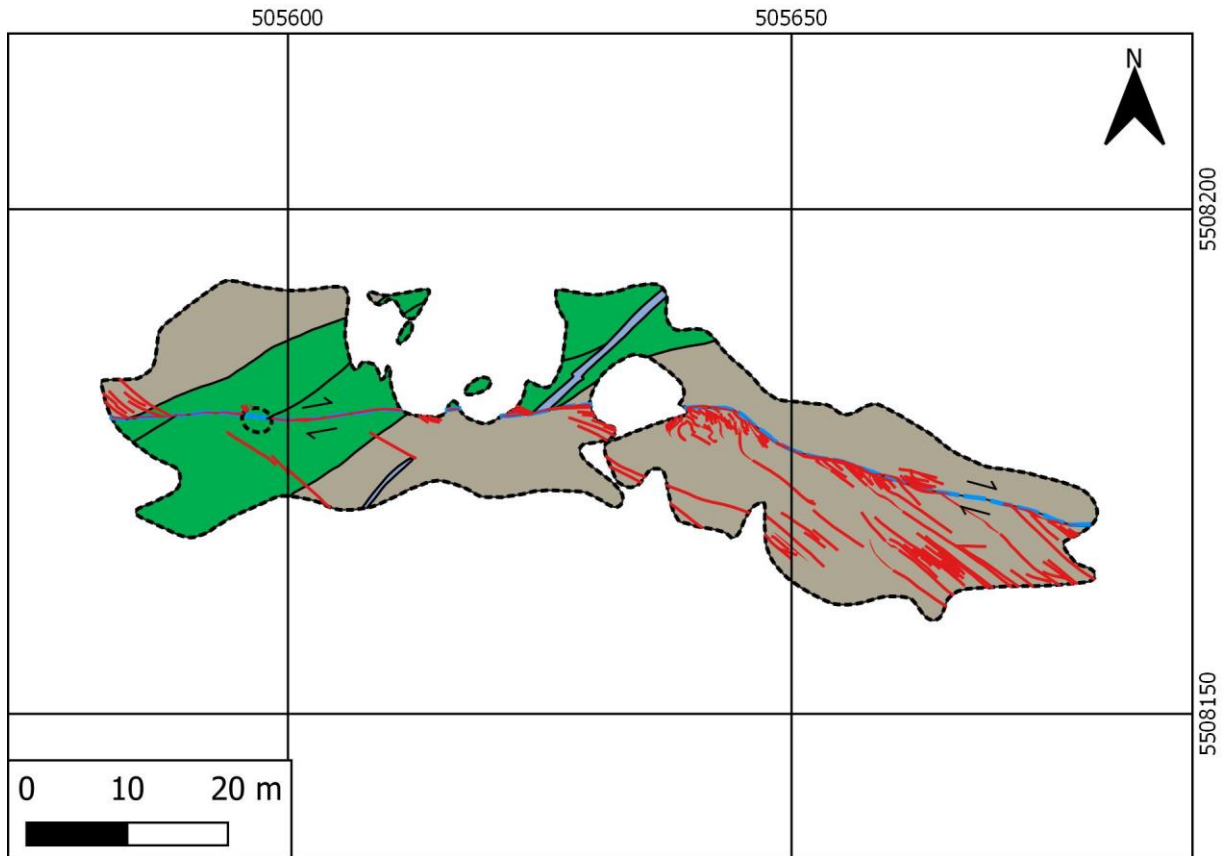
Figure 18: Stereonet of late S2 micaceous foliation in the Glatz-Vanlas area. Measurements are plotted as pole to the plane.



- | | | |
|-------------------------|--------------------------|-----------------------------|
| Linework | Rock units | Early gabbro |
| --- Contact | Quartz Feldspar Porphyry | Intermediate volcanoclastic |
| - - - Fault | Late gabbro | Mafic volcanic |
| - - - Fold axial traces | Diorite | Veins |

Figure 19: Location and geological setting of the Glatz West stripped area, Van Horne property

1:750 scale
UTM NAD83 Zone 15N



- | Linework | Rock units |
|-------------------------|-----------------------------|
| --- Contact | Early gabbro |
| - - - Fault | Intermediate volcanoclastic |
| - - - Fold axial traces | Mafic volcanic |
| | Veins |

Figure 20: Location and geological setting of the Glatz East stripped area, Van Horne property

1:750 scale
UTM NAD83 Zone 15N

washing by M. Roberts (Clark Exploration Consulting) exposed the continuation of this fault north of the Glatz West stripped area.

Thus, at Glatz West, there are at least three subparallel faults, 40-70m across strike, with gold potential (Figure 15). At Glatz East, these faults are interpreted to continue south of the stripped area into the swamp (Figure 15).

At the mineralized stripped areas, a number of measurements of the orientation and mineral growth lineation of veins was taken. On a stereonet, the extensional and fault-hosted veins form a continuum (Figure 21). The extensional veins show a clockwise rotation, which is consistent with Z-shaped folding and extension of the veins seen in outcrop (Figure 22). The mineral growth lineation of both the extensional and fault-hosted veins, plotted on a stereonet diagram, shows a tight distribution and overlap of both vein types, further suggesting that both the extensional and fault-hosted veins are genetically related (Figure 23).

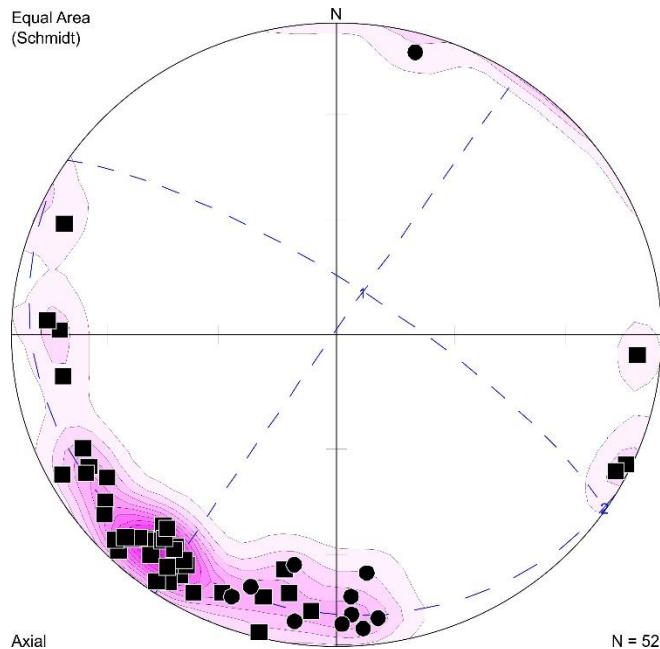


Figure 21 – Stereonet of veins at Glatz East and Glatz West. Measurements are plotted as pole to the plane. Extensional veins are plotted using a square symbol whereas fault-hosted veins are plotted using a circular symbol.



Figure 22 – Photo of clockwise rotated veins at Glatz East. Photo taken at UTM NAD83 Zone 15N 505642mE, 5508180mN facing north.

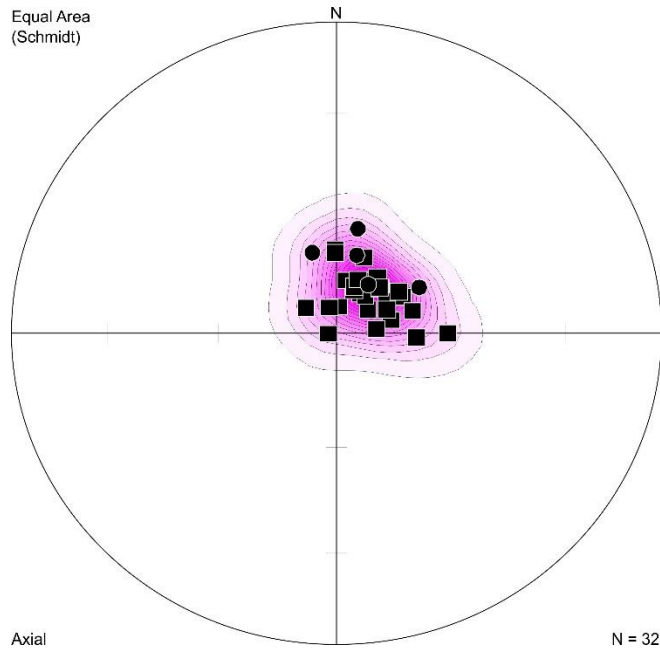


Figure 23 – Stereonet of mineral growth in both extensional and fault-hosted mineralized veins at Glatz West and Glatz East. The lineation of extensional veins are plotted using a square symbol whereas fault-hosted veins are plotted using a circular symbol.

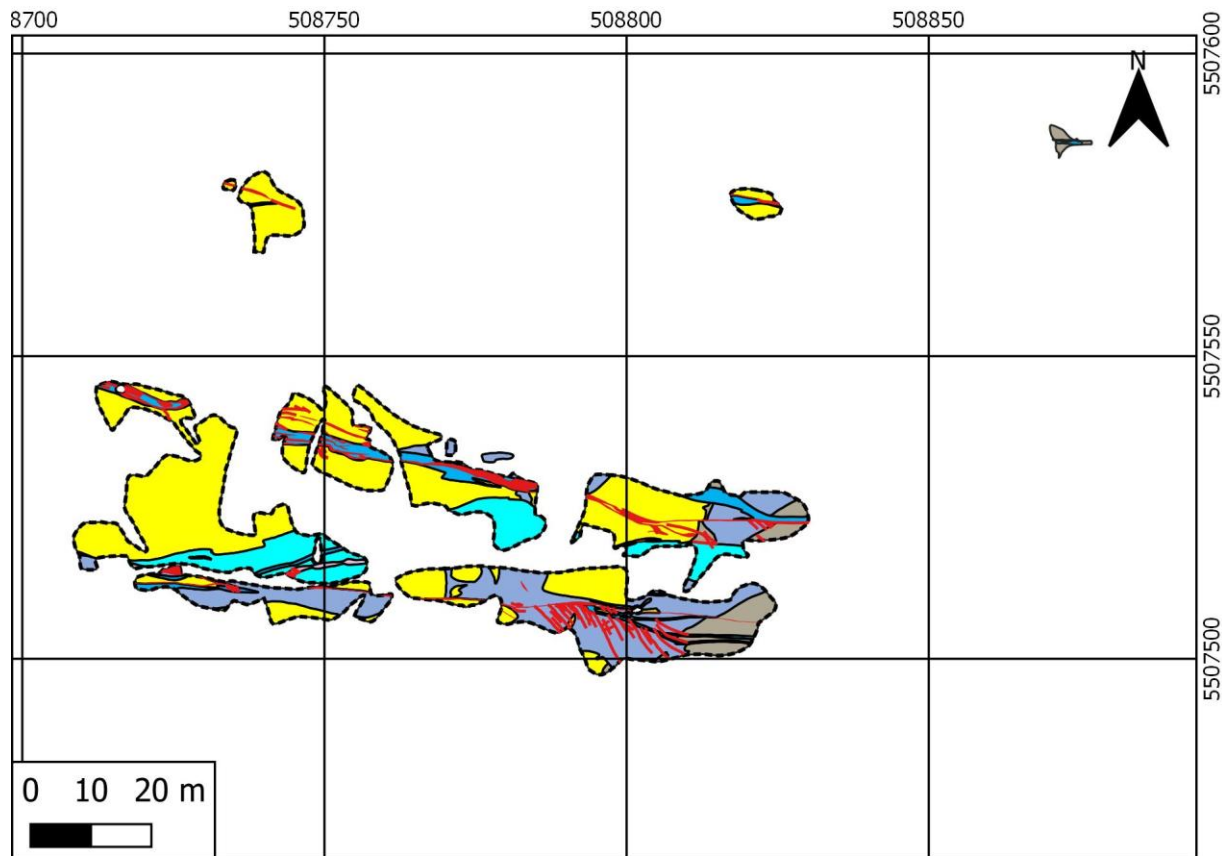
Bonanza area

The Bonanza area is one of the past-producing mine sites on the Van Horne property. A large area, covering two of the historic mineralized veins, was stripped, mapped and sampled in 2019 (Figure 24).

The Bonanza area lies at the deformed contact between intermediate volcanoclastic rocks to the southeast and quartz-rich, massive rocks to the northwest, interpreted as a massive felsic flow. Property-scale mapping by P. Clark (Clark Exploration Consulting) shows that the contact generally strikes NNE-SSW (Figure 25). Several types of intrusive rocks, including two generations of fine-grained gabbro, porphyritic gabbro and late felsic dikes, cut the contact. The early massive gabbro is cut by porphyritic gabbro, both of which are cut by late massive gabbro and felsic dikes. The two veins that were exposed are preserved in a planar zone, most likely a fault/fracture zone, but with very limited (~1-2 m maximum) dextral displacement.

The early flattening foliation is best preserved within the volcanoclastic rocks but it is also preserved in the felsic volcanic rocks as a spaced chloritic, almost fractured, foliation (Figure 26, 27). Throughout the stripped area, the early foliation generally strikes NE and dips subvertically, but it is rotated in an anticlockwise manner, namely into an S-shaped asymmetric fold, where it is particularly pronounced near veins. The late micaceous foliation, here defined by aligned chlorite and sericite, forms the axial plane to the folded early foliation and an S-fabric to the faulted/fracture-fill veins (Figure 28).

Three main orientations of veins are present at Bonanza. The earliest veins are shallowly-dipping quartz-carbonate veins that have a quartz mineral growth with a highly variable orientation on a stereonet diagram; in contrast, the main fault/fracture fill and extensional veins have a highly restricted quartz mineral growth lineation (Figure 29, 30). The main fault/fracture fill veins are folded in a Z-shaped pattern, especially visible on the northern vein (Figure 31), about an axis plunging 53° towards 073° (Figure 32). The shallowly-dipping veins are interpreted to predate, and to have been deformed during, the emplacement of the mineralized fault/fracture fill and extensional veins.



- | | |
|--------------------|-----------------------------|
| Linework | Early gabbro |
| --- Contact | Intermediate volcanoclastic |
| Rock units | Felsic volcanic |
| Felsic dike | Mafic volcanic |
| Late gabbro | Veins |
| Porphyritic gabbro | |

Figure 24: Location and geological setting of the Bonanza stripped area, Van Horne property

1:1,250 scale
UTM NAD83 Zone 15N

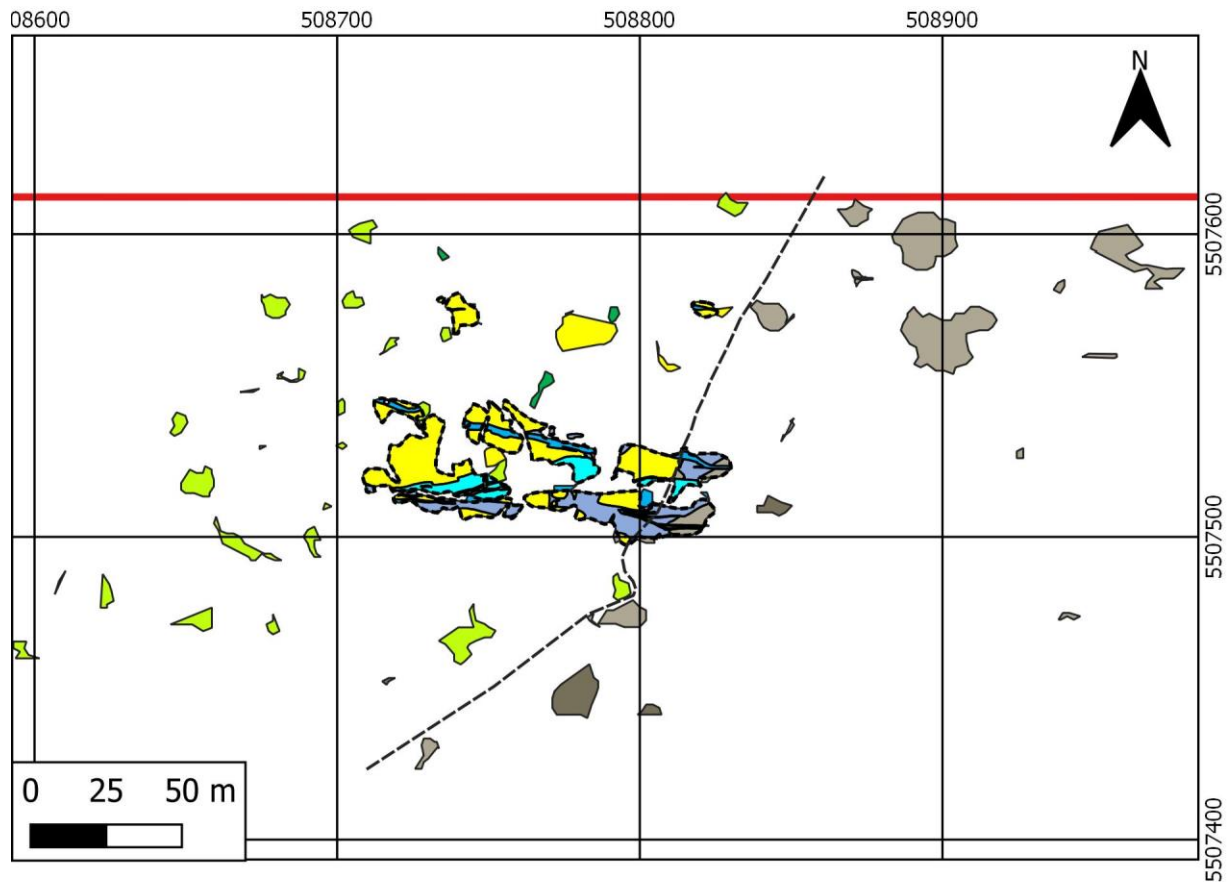


Figure 25: Volcanic / volcanoclastic contact at Bonanza area, Van Horne property. Property-scale mapping by P.Clark

1:2,500 scale
UTM NAD83 Zone 15N



Figure 26: Photo of spaced S1 foliation at Bonanza. Station 19DL126 (UTM NAD83 Zone 15N 508823mE, 5507575mN).

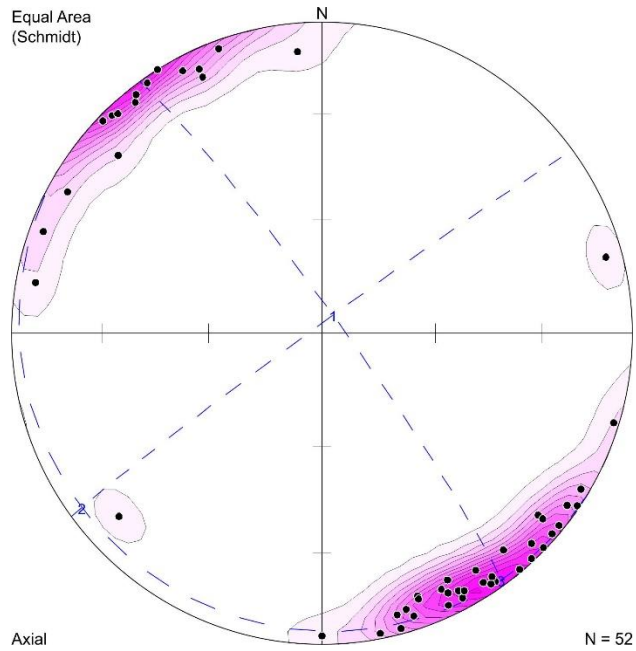


Figure 27: Stereonet of early S1 flattening foliation at Bonanza. Measurements are plotted as pole to the plane.

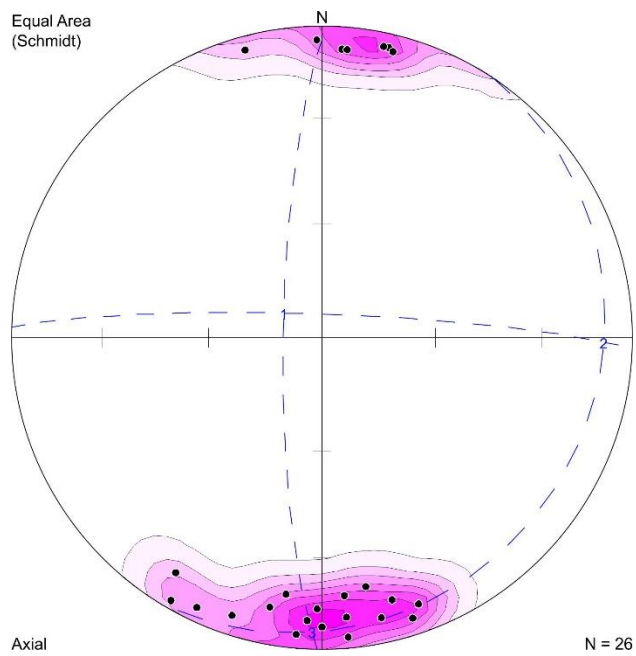


Figure 28: Stereonet of late S2 micaceous foliation at Bonanza. Measurements are plotted as pole to the plane.

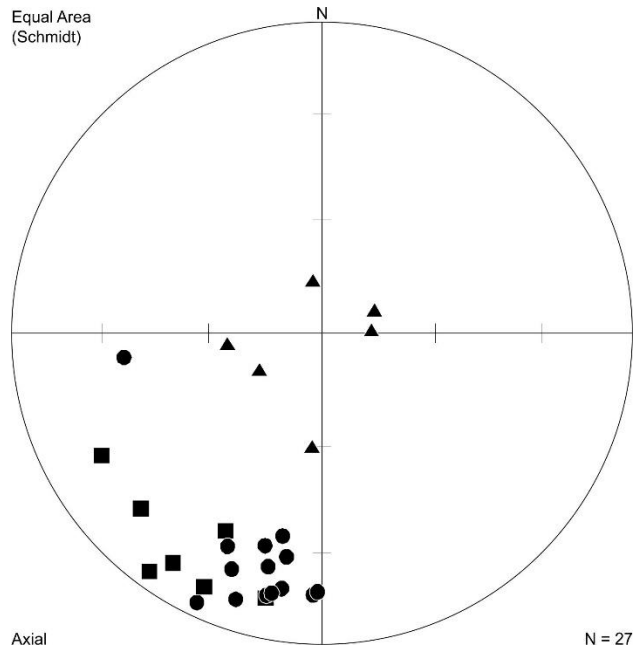


Figure 29: Stereonet of vein orientations at Bonanza. Measurements are shown as pole to the plane. The shallowly dipping veins are shown with a triangular symbol, the extensional veins are shown with a circular symbol and the fault-hosted veins are shown with a square symbol.

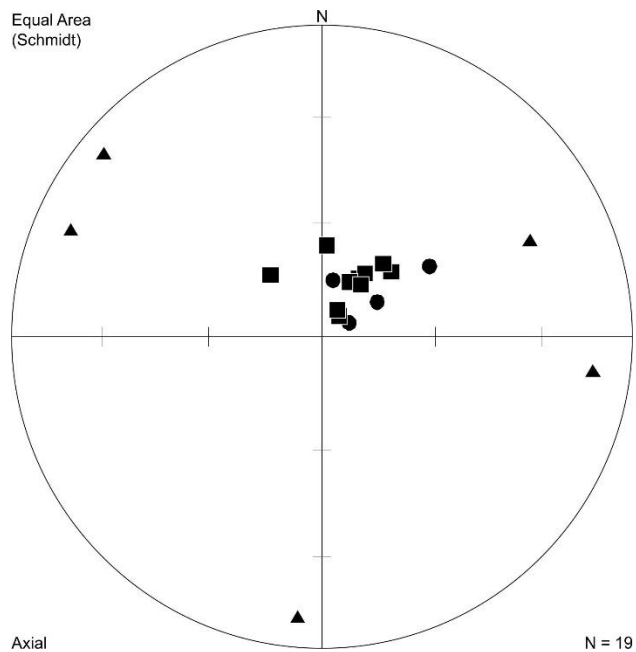


Figure 30: Stereonet of quartz mineral growth lineations of various vein orientations at Bonanza. The shallowly dipping veins are shown with a triangular symbol, the extensional veins are shown with a circular symbol and the fault-hosted veins are shown with a square symbol.

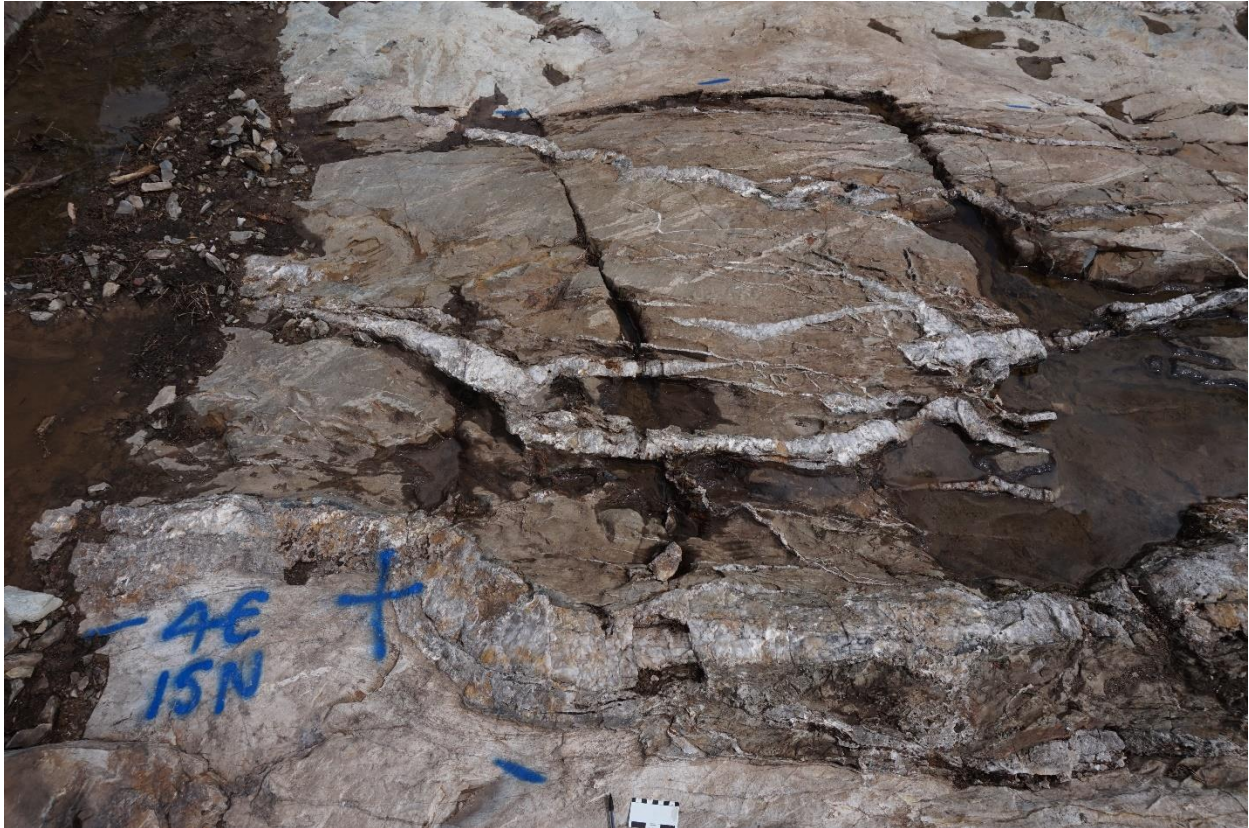


Figure 31: Z-shaped folded fault-hosted quartz vein at Bonanza. Folding is interpreted to have occurred during vein emplacement. Station 19DL118 (UTM NAD83 Zone 15N 508750mE, 5507535mN).

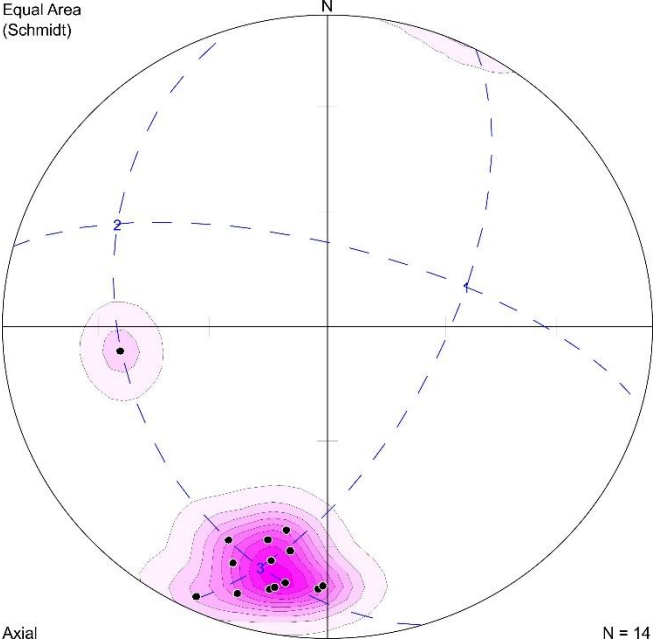


Figure 32: Stereonet of fault-hosted veins at Bonanza showing the calculated fold plunge. Measurements are shown as pole to the plane.

League-Larson area

The League-Larson area is a tract, approximately 1300 x 500 m², which hosts three significant gold occurrences and a historic mine (Figure 2). These include the League, Lost and Larson occurrences and the past-producing Redeemer mine. A large trench, cleared by Laurentian Goldfields in 2008 or 2009 and now moss-covered, crosses the volcanic stratigraphy between the Lost-League areas.

The League - Larson area was mapped at 1:2,000 scale (Figure 33). The local geology is dominated by mafic volcanic with lesser intermediate volcanoclastic rocks. Minor polyolithic conglomerates (Figure 34) and a variety of intrusive rocks, especially gabbro and QFP dikes, are also present. The volcanic rocks commonly preserve flow facies (massive-pillowed-autobrecciated), which was commonly traced along strike. The volcanoclastic rocks were differentiated by the conglomerates primarily through clast type: the volcanoclastic rocks contain monomictic clasts, whereas the conglomerates contain angular polyolithic clasts, including bedded and foliated clasts (Figure 34). Unfortunately, the geometry of the conglomeratic rocks was difficult to constrain, partially due to poor preservation of foliations. It is possible that these conglomerates represent Timiskaming-type conglomerates associated with the Wabigoon, and related, faults. Minor quartz-rich massive volcanic rock, identical in appearance to the interpreted felsic flow at Bonanza, was identified to the west of Redeemer.

Bedding in the League-Larson area is rarely preserved, but volcanic flow facies are often traceable between outcrops. The early flattening foliation, which is generally subparallel to bedding, was used as a proxy for bedding to compliment the correlation of volcanic flow facies. Stereonet diagrams of bedding and the early flattening foliation are presented in Figure 35 and 36. Although inconclusive, the dip of bedding is slightly shallower than the dip of the early flattening foliation, hinting at early subhorizontal folding. This is reinforced by the map pattern, which shows an early folded continuous band of volcanoclastic rocks within a mafic volcanic package. The stereonet of bedding measurements also shows the steep folding of bedding, but there are insufficient data points to make strong conclusions. The stereonet of the early flattening foliation shows two density peaks, most likely correlating to fold limbs: the dominant peak is oriented 269°/85° and the second peak is oriented 321°/87° with a calculated F2 fold plunge of 84° towards 326° (Figure 36). A subset of the early flattening foliation, only considering the data from Lost-League area, shows two better-defined peaks at 238/83 and 323/87 with a calculated F2 fold plunge of 82° towards 315° (Figure 37). The orientation of the late micaceous foliation, plotted on a stereonet diagram in Figure 38, shows a more restricted orientation with a point maximum oriented 265°/86°. When the fold geometry from the Lost-League flattening foliation (Figure 37) is plotted relative to the orientation of the late micaceous foliation (Figure 39), the late micaceous foliation is clearly axial planar to these F2 folds.

On a map, the distribution of these late steep folds are shown by the refolding of the band of volcanoclastic rocks and volcanic flow facies, which is reinforced by the relative orientations of bedding or the early flattening foliation relative to the late micaceous foliation (Figure 33). When bedding or the early foliation is anticlockwise to the late foliation, the locality is along an S-asymmetric, long fold limb; conversely, bedding or the early foliation is clockwise to the late foliation, the locality is along a Z-asymmetric, short fold limb. The bulk of the area is along S-asymmetric, long fold limbs.

The distribution, orientation and kinematics of faults, including those that host veins, is strongly influenced by the spatial position relative to folding. The majority of faults, especially the ESE-WNW-striking faults, are focused near the Z-asymmetric, short limbs of F2 folds. Near the Redeemer minesite,

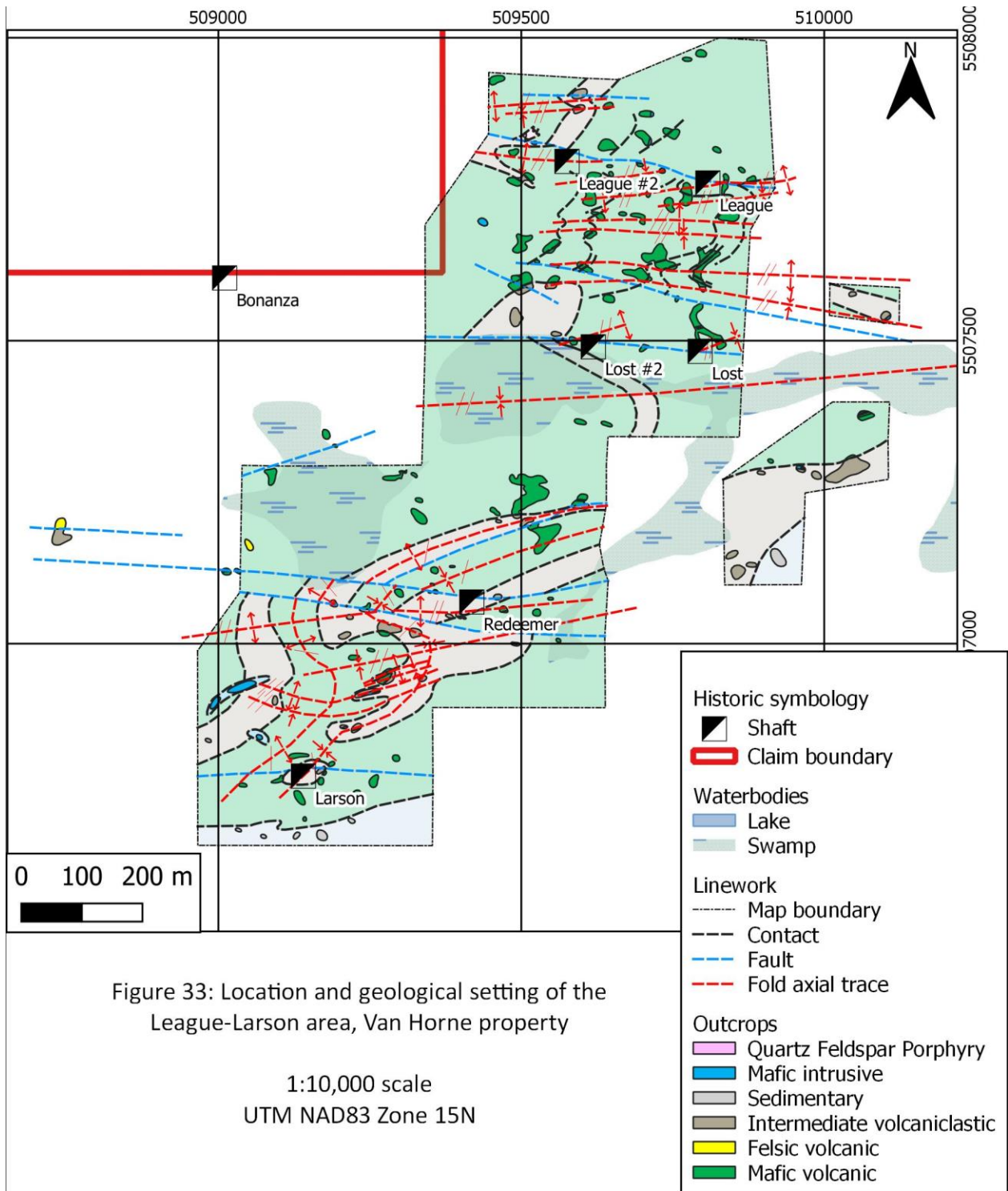


Figure 33: Location and geological setting of the League-Larson area, Van Horne property

1:10,000 scale
 UTM NAD83 Zone 15N



Figure 34- Polyolithic conglomerate that contains angular, bedded and foliated clasts. Station 19DL453 (UTM NAD83 Zone 15N 509932mE, 5507136mN).

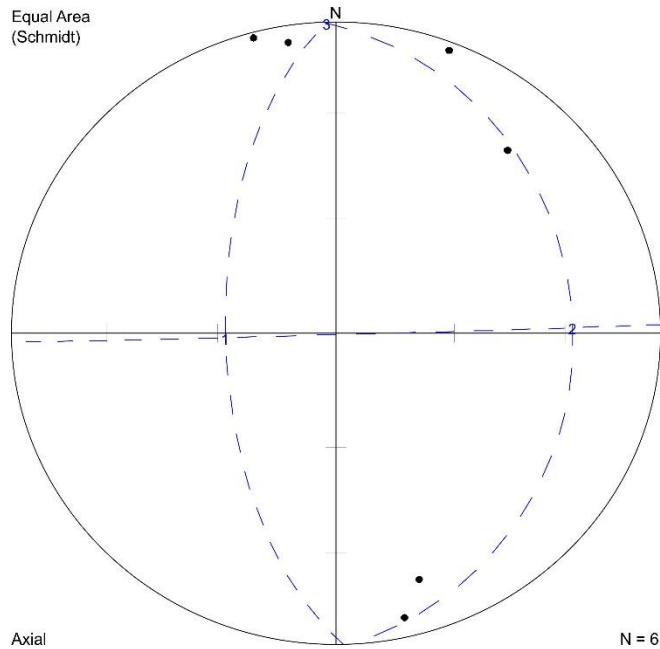


Figure 35- Stereonet of bedding at the League – Larson area. Measurements are plotted as pole to the plane.

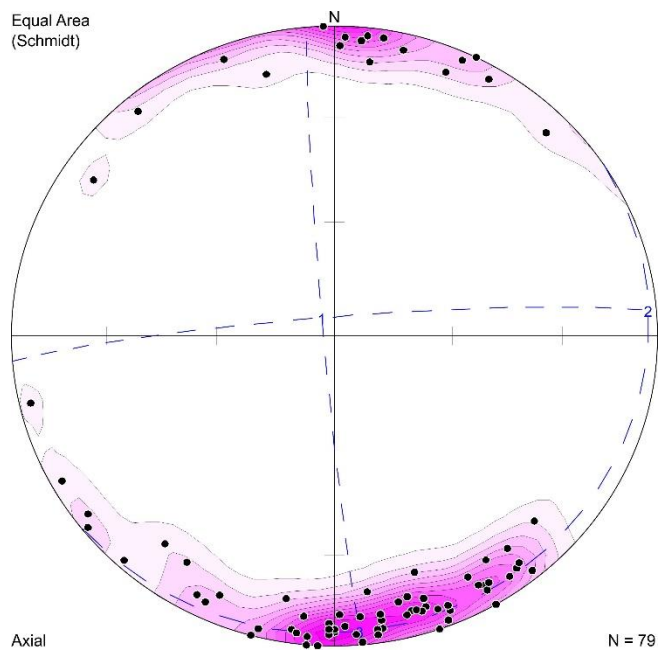


Figure 36- Stereonet of the early S1 flattening foliation at the League – Larson area. Measurements are plotted as pole to the plane.

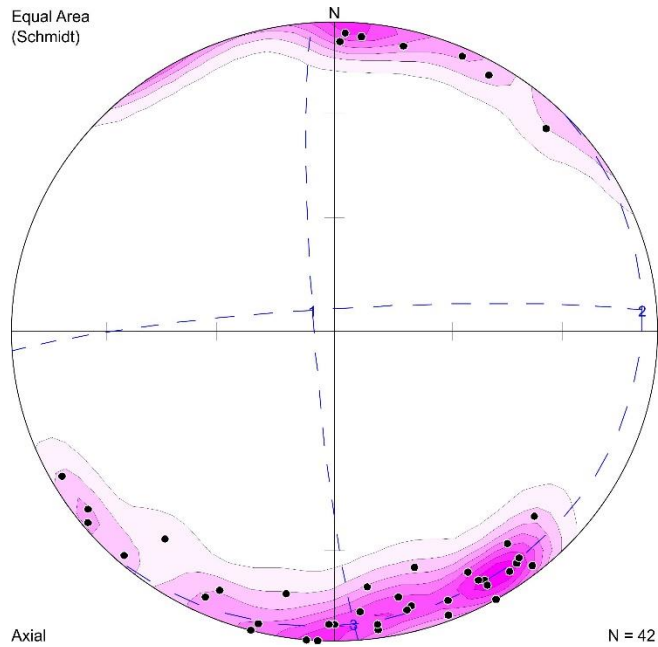


Figure 37- Stereonet of a subset of the League – Larson data on the early S1 flattening foliation from the League – Lost area. Measurements are plotted as pole to the plane. Two density peaks, at $238^{\circ}/83^{\circ}$ and $323^{\circ}/87^{\circ}$, are interpreted as fold limbs with a calculated plunge of 82° towards 315° .

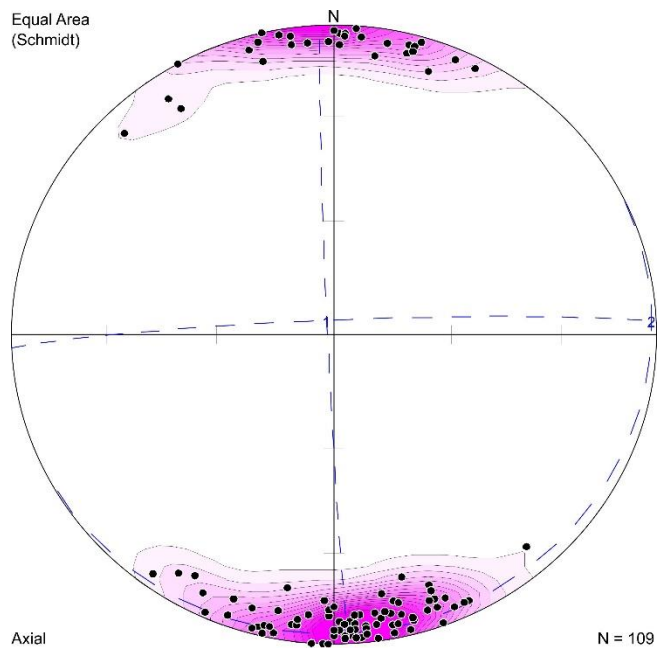


Figure 38- Stereonet of the late S2 micaceous foliation at the League – Larson area. Measurements are plotted as pole to the plane. There is a density point maximum at $265^{\circ}/86^{\circ}$.

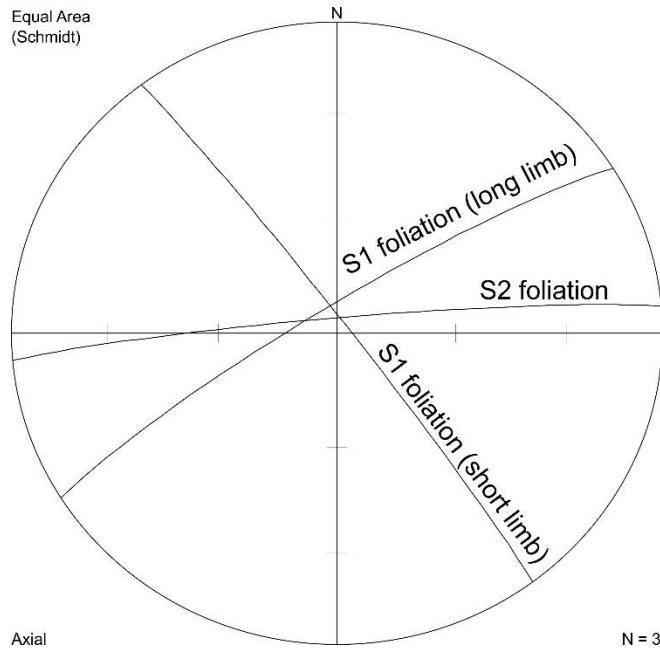


Figure 39- Stereonet showing the fold limbs of the early S1 flattening foliation relative to the point maximum of the late S2 micaceous foliation. The S2 foliation is consistent with being an axial planar foliation to the folded S1 foliation.

two parallel faults were identified. To the north, between Lost and League, five faults were identified, each associated with the short Z-asymmetric limb of an F2 fold. These faults have a micaceous foliation acting as an S-plane, which is oriented parallel to, and interpreted to be a part of, the late S2 micaceous foliation. These ESE-WNW striking mineralized faults, and/or the Z-shaped F2 folds, occur at regular ~100m intervals between the Lost and League shafts. Conjugate NE-striking sinistral faults, again associated with a micaceous S2 S-plane, occur immediately north of the Redeemer shaft (Figure 33).

Mineralized quartz veins generally occur within these ESE-WNW striking faults. The veins pinch and swell and range from 20 to > 50 cm wide quartz veins (Figure 40, 41, 42, 43, 44).

Near the League area, rock alteration intensity increases relative to the rest of the property. Mafic massive and pillowed flows and flowtop, or autoclastic, breccia, previously interpreted as felsic breccias (eg. Parker and Schienbein 1988*a,b*; Rennie and Lengyel 2010), are strongly to intensely silicified and/or albitized (Figure 45). These rocks preserve primary flow facies (ie. pillows, flowtop breccias), suggesting mafic volcanic protolith, but were nonetheless sampled for whole rock geochemistry to verify affinity.



Figure 40- Open cut of the Lost vein, facing east. The vein pinches and swells from 20 to > 60 cm wide. Station 19DL325 (UTM NAD83 Zone 15N 509778mE, 5507482mN).



Figure 41- Historic trenched exposure of the League vein, facing south. Like the Lost vein, the League vein pinches and swells from 20 to >50 cm wide. Station 19DL346 (UTM NAD83 Zone 15N 509800mE, 5507765mN).



Figure 42 – Exposure of the Redeemer vein, located approximately 40m east of the Redeemer shaft. Station 19DL319 (UTM NAD83 Zone 15N 509459mE, 5507077mN).



Figure 43- Exposure of a pitted vein located 100m north of the Lost vein, facing west. Station 19DL430 (UTM NAD83 Zone 15N 509757mE, 5507569mN).



Figure 44- Exposure of the League vein, located west of the League #2 shaft and approximately 300 m west of Figure 41. Station 19DL439 (UTM NAD83 Zone 15N 509524mE, 5507826mN).



Figure 45- Highly altered rock, previously interpreted as felsic breccia. Pillowed shapes are preserved, suggesting mafic volcanic protolith. Station 19DL341 (UTM NAD83 Zone 15N 509832mE, 5507717mN).



Figure 46- Highly altered rock, previously interpreted as felsic breccia. Pillowed shapes are preserved, suggesting mafic volcanic protolith. Station 19DL416 (UTM NAD83 Zone 15N 509608mE, 5507673mN).

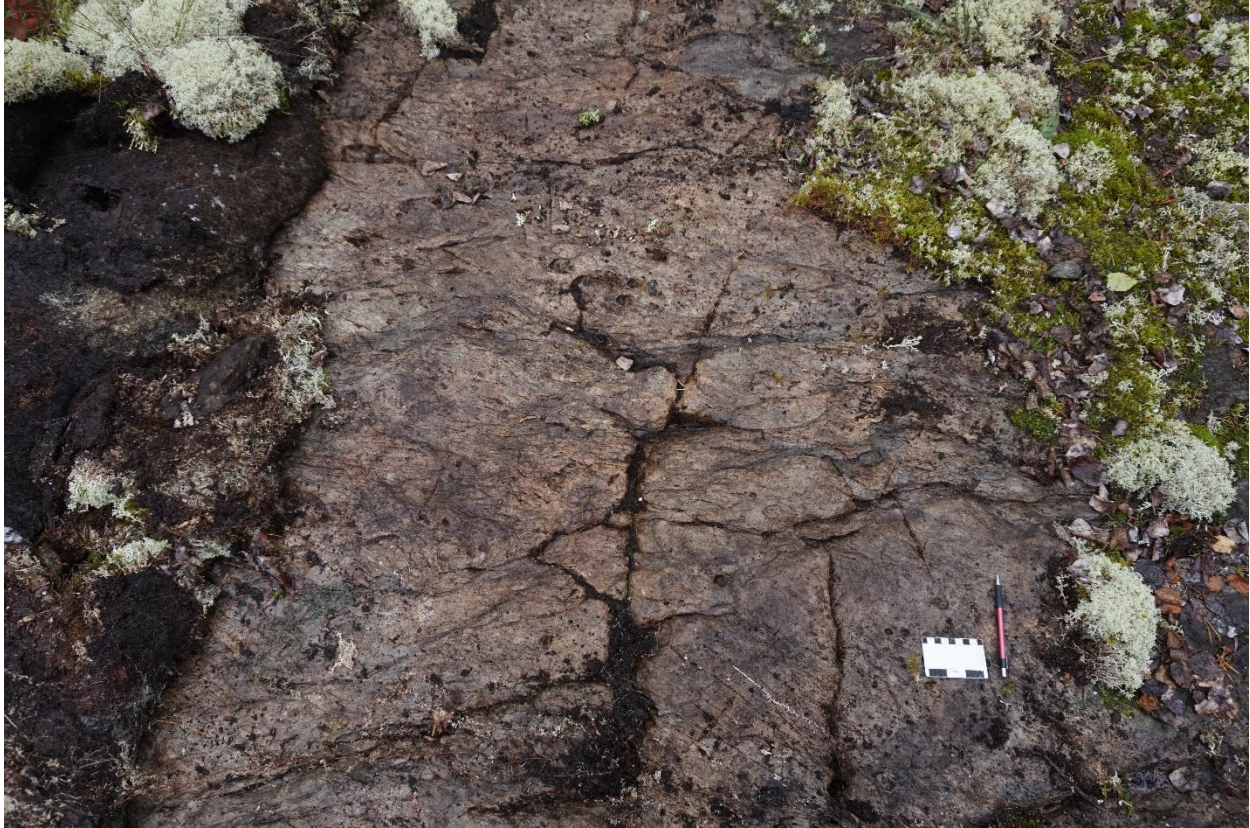


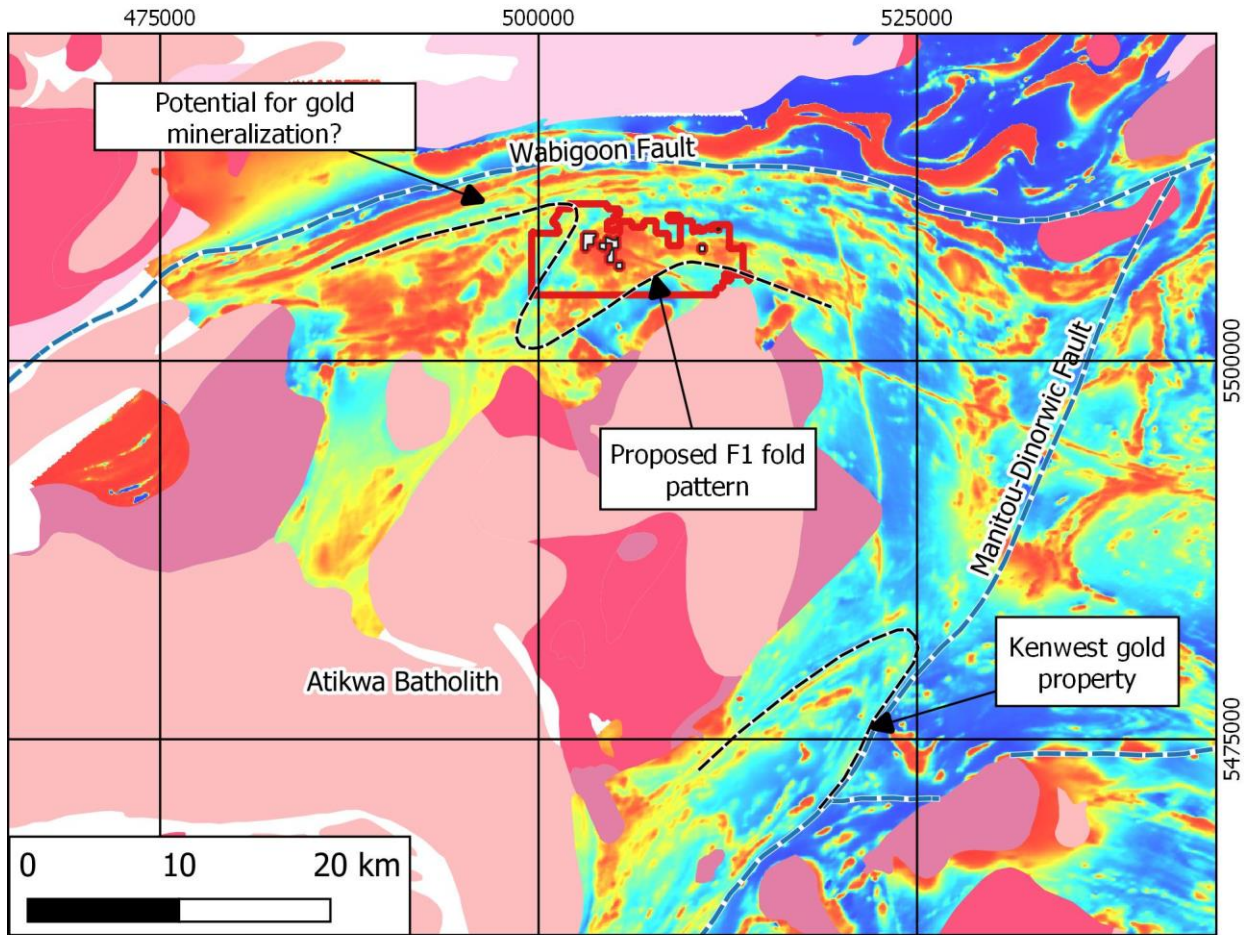
Figure 47- Highly altered rock, previously interpreted as felsic breccia. Pillowed shapes are preserved, suggesting mafic volcanic protolith. Station 19DL425 (UTM NAD83 Zone 15N 509720mE, 5507751mN).

Interpretations

At the Van Horne property, gold mineralization occurs primarily at deformed rock contacts or within QFP intrusions. From a structural standpoint, large QFP intrusions are difficult to predict whereas deformed contacts show patterns. On the property, two main generations of deformation control the geometry of the area. The development of the early deformation is most likely related to tectonic uplift, in which flat-lying rocks were flattened and stretched, folded and thrust faulted into the vertical rock orientation seen in the camp. This would include the initial formation and displacement of the Wabigoon Fault, development of the subvertical stretching lineation and the associated flattening foliation, shallowly-plunging isoclinal folding and shallowly-dipping quartz veins. Subsequent strike-slip (transcurrent) deformation, following the emplacement of the Atikwa Batholith, resulted in the development of the late micaceous foliation, steeply-plunging folds, dextral reactivation of the E-W striking Wabigoon Fault and sinistral displacement or reactivation of the NE-SW striking Manitou-Dinorwic Fault, the development of second and third order parallel faults and veins and NW-SE striking tension gash extensional veins. Gold mineralization at the Van Horne property, and elsewhere in the Western Wabigoon, is interpreted to be related to the second generation of deformation.

The Van Horne property is situated between the Wabigoon Fault and the Atikwa Batholith (Figure 1). In this part of the Wabigoon Subprovince, orogenic gold mineralization is generally associated with major structures. For example, Manitou Gold's Kenwest property lies at the folded, mixed succession of coarse pyroclastic rocks and mafic flows with minor felsic flows (Blackburn, 1979; Maunula, 2010). The rocks on the property are folded about the Manitou Anticline and proximal to the Manitou – Dinorwic Fault (also referred to as the Manitou Straits Fault) and gold mineralization is primarily located between the fold and fault. The Manitou Anticline is readily visible in regional total field magnetic geophysical surveys (Ontario Geological Survey 2011).

At the Van Horne property, the same geophysical surveys show a large magnetic anomaly underlying the area. To the west, a second large magnetic anomaly is present; this second anomaly contains converging lineaments that suggest the presence of a large fold. Bedding measurements from the 2019 mapping program are parallel to the lineaments below the Van Horne property and are hereby interpreted to represent a large fold structure (Figure 48). This notion was previously proposed by Rennie and Lengyel (2010) based on magnetic interpretation, but no known follow up work was done to verify this interpretation. These conjugate folds are hereby interpreted as D1 structures, implying that they predate gold mineralization.



- | | |
|--|---|
| Van Horne property boundary | Rock units |
| Linework | Tonalite |
| Fault | Diorite |
| Geophysical lineament | Granodiorite |

Figure 48: Proposed F1 fold pattern in the Western Wabigoon subprovince near the Van Horne property. Atikwa batholith and Ontario Geological Survey fault traces superimposed on regional total field magnetic geophysics (Ontario Geological Survey 2011)

1:500,000 scale
 UTM NAD83 Zone 15N

Although they are interpreted to predate mineralization, these early folds most likely served to focus mineralization. Following early D1 tectonic uplift, both dextral transcurrent fault displacement and overall Z-shaped, steeply asymmetric folding were accommodated in the rocks along, and adjacent to, the Wabigoon Fault. However, in the Van Horne area, bedding was refolded with predominantly S-shaped F2 folds due to pre-existing geometry. Relatively few sinistral faults are present along the long limb of the S-shaped folds, suggesting that these fold limbs underwent pure shear (ie. only compression; Figure 49). In contrast, the short limbs of the S-shaped folds (ie. the Z-shaped limbs) do contain significant dextral faults that are oriented subparallel to the Wabigoon Fault. These short fold limbs are interpreted to have undergone simple shear (ie. compression plus rotation; Figure 49). The gold-bearing extensional veins, which overwhelmingly strike NW-SE, can thus be interpreted as dextral tension gashes. For these reasons, the F2 short fold limbs are interpreted to be more prospective for mineralization and should be investigated at lithological contacts and other areas of contrasting rock competency.

A map of foliation trajectories mapped is presented in Figure 50. The black line represents the trace of bedding and the early flattening foliation (S1), whereas the purple line represents the trace of the micaceous foliation (S2). The asymmetric, S-shaped folding of bedding and the early foliation, with the late, axial planar micaceous foliation, is visible throughout the mapped area. On Figure 51, the foliation trajectories are superimposed on the property-scale New Sense NW-shaded TMI survey. Three interpretations can be made: First, the largest deflections in the bedding / early flattening foliation trajectory seem to be related to the largest mineralized areas, such as Redeemer and Bonanza. Second, the late micaceous foliation displays two dominant orientations: striking E-W to WSW-ENE (070° to 090°) and striking WNW-ESE (100°-110°). Mineralization seems to be spatially associated with areas where the micaceous foliation strikes E-W or WSW-ENE. This is interpreted to be a factor related to faulting: if the micaceous foliation is forming the S-fabric related to dextral faulting on F2 fold short limbs, it would be forced to rotate in an anticlockwise manner in proximity to these faults. Third, to identify or trace further mineralized structures, a N and NNE sun shading is suggested for the New Sense TMI geophysics.

Historic mapping by Bruce (1925) in the Bonanza – Redeemer area shows the presence of an “acidic flow” at the main Bonanza outcrop, which is consistent with the felsic flow mapped at the Bonanza stripped area. The Bruce map shows that further felsic volcanic rock is present south of the Bonanza area and that it is associated with historic pits and veins. Two of these pits were visited and the veins sampled (Figure 52, 53, 54). Felsic rocks (Figure 55), identical in appearance to the host lithology for veining at Bonanza, were mapped in the vicinity of these pits, as well as intermediate volcanoclastic rock. The Bruce map indicates that the felsic unit bends, consistent with S-shaped folding documented nearby, and this flexure generally coincides with the significant folding mapped at the Redeemer area (Figure 56). Furthermore, additional historic pits and veins are located in the vicinity but slightly across strike. If this area can be shown to be strongly folded, host the contact between a competent felsic flow and relatively incompetent intermediate volcanoclastic rock and host several subparallel gold-bearing veins, it would be an attractive grassroots target.

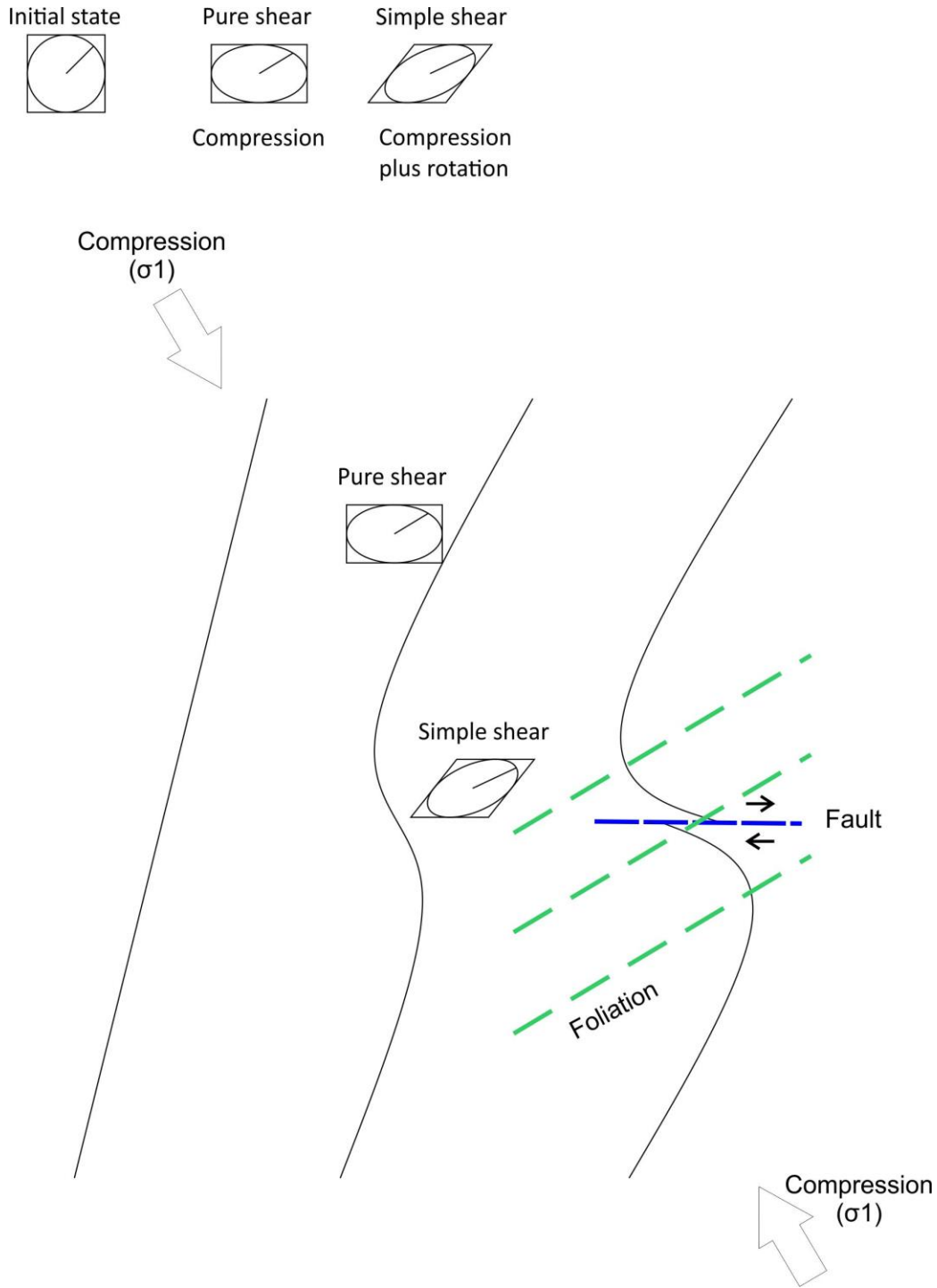
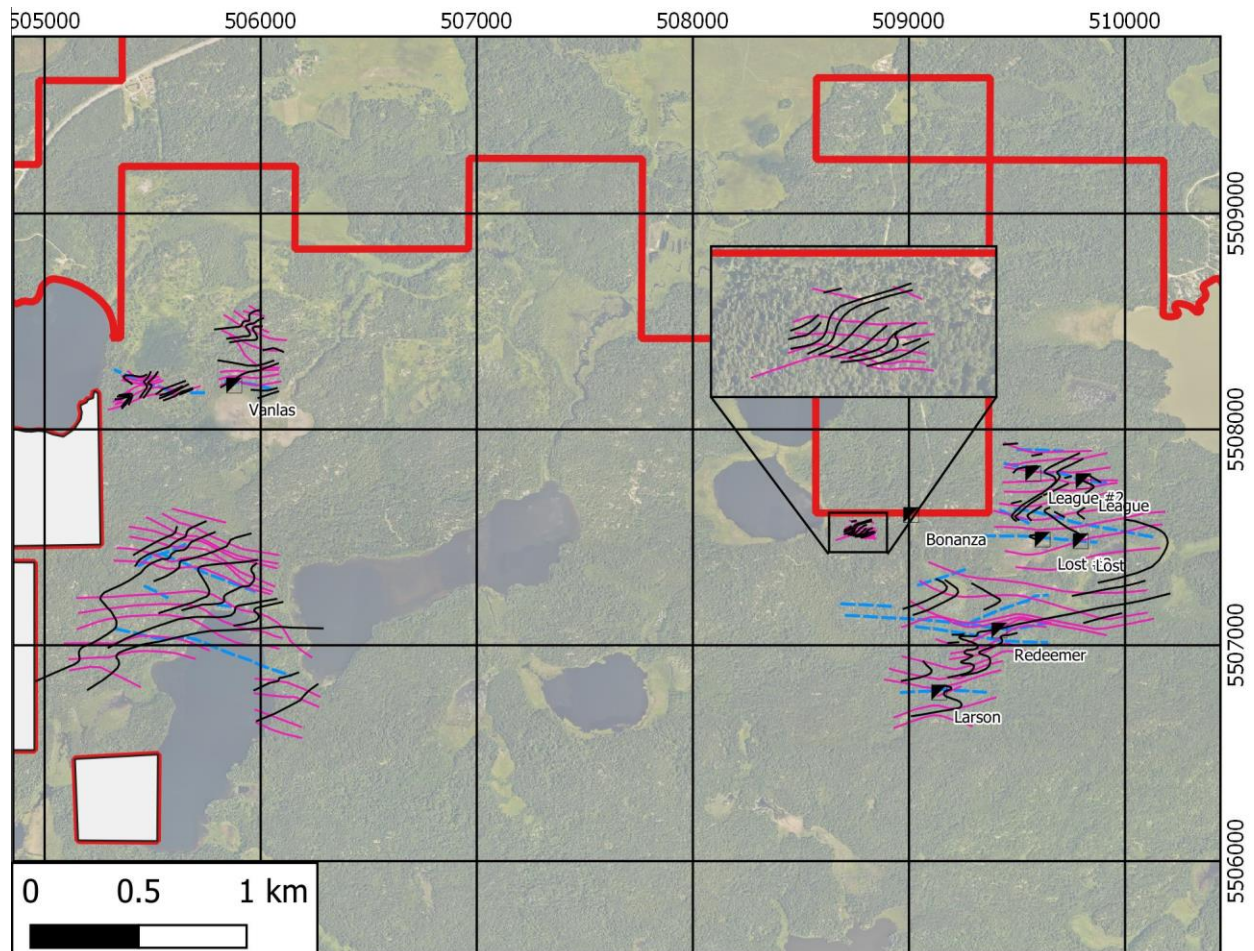


Figure 49- Interpreted type of shear along the F2 asymmetrically-folded rocks at the Van Horne property. The fold pattern is S-shaped, with the rocks interpreted to have undergone pure shear along the long fold limbs and simple shear along the short limbs. Faults are predominantly within fold short limbs due to the rotation associated with compression, making these short limbs better targets for mineralization.

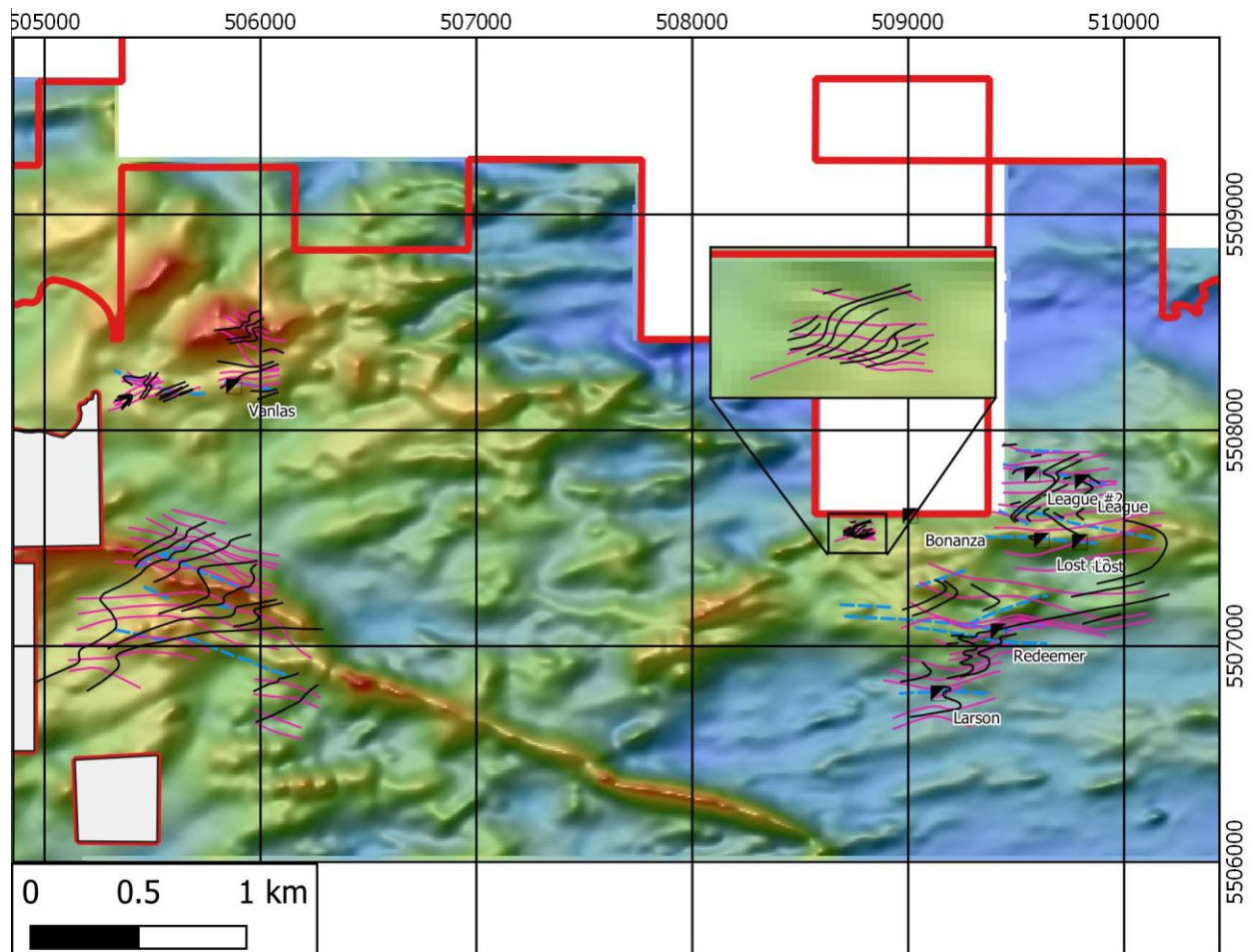


- Van Horne property boundary
- Historic mine
- Linework
- Bedding / early flattening foliation (S0 / S1)
- Late micaceous foliation (S2)
- - - Fault

Figure 50: Foliation trajectory map of the Van Horne property

1:35,000 scale
 UTM NAD83 Zone 15N

Figure 50- Map of foliation trajectories for the Van Horne property. The black trajectory represents bedding and the early S1 flattening foliation whereas the purple trajectory represents the late S2 micaceous foliation. Documented faults are plotted to show their relative position to the (F2) folded black trajectory.



- Van Horne property boundary
- Historic mine
- Linework
- Fault
- Trajectories
- Bedding / early flattening foliation (S0 / S1)
- Late micaceous foliation (S2)

Figure 51: Foliation trajectory map of the Van Horne property superimposed on New Sense detailed total magnetic imagery geophysical survey with NW sun shading

1:35,000 scale
 UTM NAD83 Zone 15N

Figure 51- Map of foliation trajectories for the Van Horne property superimposed on the New Sense TMI NW sun shaded geophysical imagery. The black trajectory represents bedding and the early S1 flattening foliation whereas the purple trajectory represents the late S2 micaceous foliation. Documented faults are plotted to show their relative position to the (F2) folded black trajectory.



Figure 52- Photograph of a historic vein, documented by Bruce (1925) and located near a historic pit. This vein does not appear to have been sampled within the last 50 years, although it is plotted on the geological map of Parker and Schienbein (1988b). This vein is generally along strike to the west of the Redeemer vein. Station 19DL374 (UTM NAD83 Zone 15N 508701mE, 5507192mN).



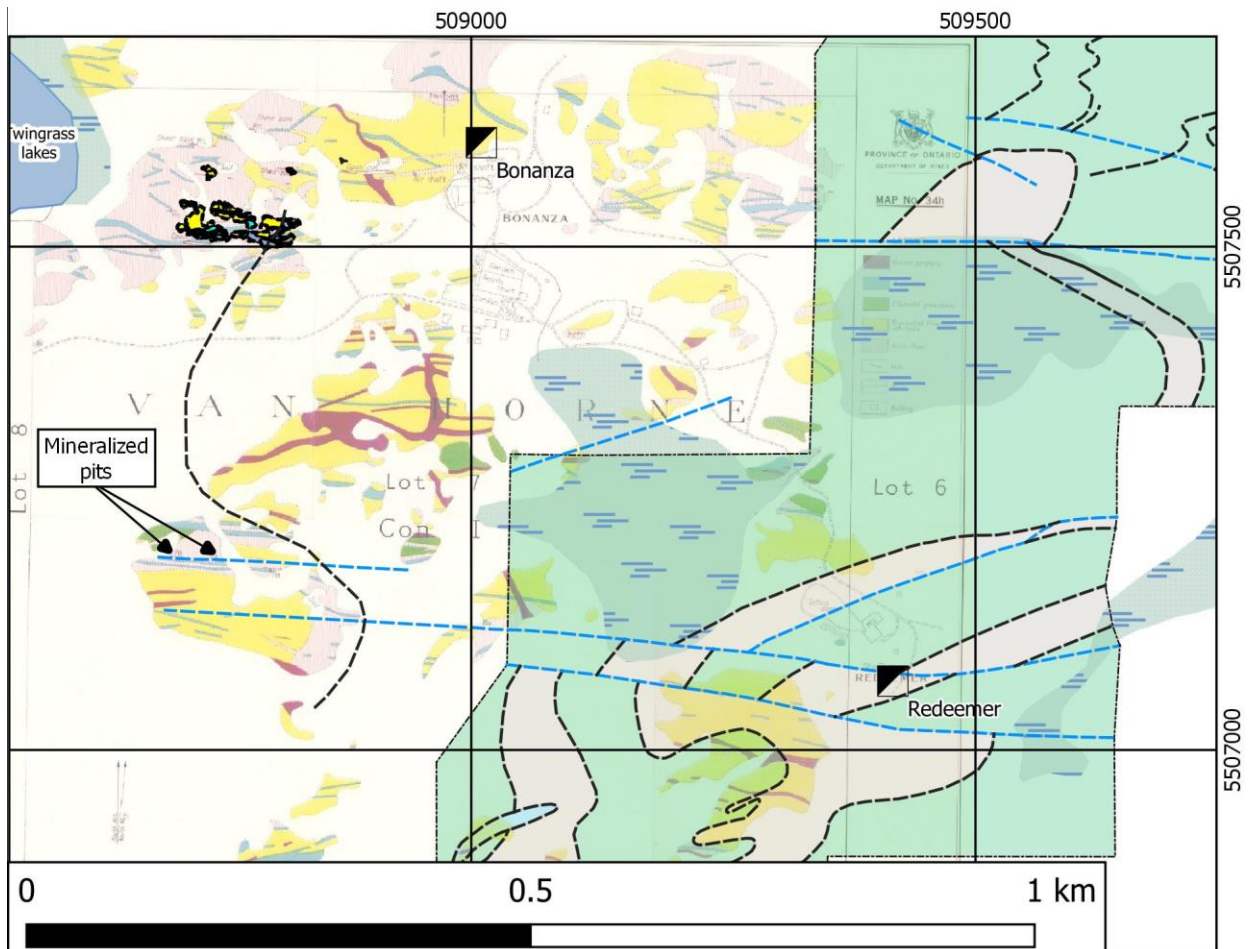
Figure 53- Photograph of a historic vein, along strike from Figure 52, documented by Bruce (1925) and located near a historic pit. This vein does not appear to have been sampled within the last 50 years, although it is plotted on the geological map of Parker and Schienbein (1988b). This vein is generally along strike to the west of the Redeemer vein. Station 19DL375 (UTM NAD83 Zone 15N 508745mE, 5507189mN).



Figure 54- Photograph of a pitted vein, located west of the Redeemer vein but slightly to the south of the strike extension of the veins in Figure 52 and 53. Station 19DL395 (UTM NAD83 Zone 15N 509010mE, 5507122mN).



Figure 55- Photograph of an interpreted felsic volcanic rock, located approximately 40 m across strike from the vein in Figure 54. This rock appears identical to the felsic rock at Bonanza and is interpreted to be a continuation of that horizon. Station 19DL394 (UTM NAD83 Zone 15N 509052mE, 5507158mN).



- | | | | |
|---|---------------|----------|-----------------------------|
| ▣ | Historic mine | Linework | Rock units |
| ■ | Waterbodies | --- | Contact |
| ■ | Lake | --- | Fault |
| ■ | Swamp | ■ | Intermediate volcanoclastic |
| | | ■ | Felsic volcanic |
| | | ■ | Mafic volcanic |

Figure 56: Potential continuation of felsic volcanic / intermediate volcanoclastic horizon from Bonanza towards Redeemer S-shaped fold structure, Van Horne property. After Bruce (1925).

1:7,500 scale
 UTM NAD83 Zone 15N

Figure 56- Map showing the “acidic flow” of Bruce (1925) relative to the updated mapping. The felsic volcanic rock from Bonanza is interpreted to be folded to the west of Redeemer, making a very attractive exploration target. Further work is recommended in this area (described in the text).

Recommendations for Exploration

At Van Horne, the best targets for gold mineralization are interpreted to be at deformed lithological contacts, preferably those with strong competency contrasts, in Z-shaped short limbs of steeply-plunging F2 folds. Larger folds, such as those at Redeemer, appear to host higher potential targets, whereas highly competent lithological contacts, such as at Bonanza, have the potential for closely-spaced fault-hosted veins. Fault periodicity and areas of high alteration should be investigated further. Regional gold mineralization, such as that at Manitou Gold's Kenwest property, suggests that proximity to crustal-scale structures may be relevant. A reanalysis of the detailed New Sense geophysics should be done to maximize visualization. Finally, the preferred orientation of drilling should be reassessed to optimize intersecting mineralized structures.

The rock unit with the highest competency seems to be the QFP intrusive rocks, followed by felsic volcanic rocks, whereas the rock unit with the lowest competency seems to be the intermediate volcanoclastic rocks. Thus, the lithological contact at Bonanza between felsic volcanic and intermediate volcanoclastic rocks should be mapped along strike to the northeast and southwest (Figure 25).

The S-shaped fold at Redeemer is the largest fold identified during the 2019 mapping program although there is potential for a larger structure, covered by swamp, between Lost and Redeemer. The Redeemer structure should be traced to the west, where it should intersect the Bonanza felsic volcanic / intermediate volcanoclastic horizon. Reconnaissance mapping to find the contact, followed by the excavation of a series of N-S trenches, should be prioritized to test this potentially folded horizon.

The League area hosts the strongest and most pervasive alteration seen in the property. The League vein, especially at the League shaft, is not at a lithological contact but is located within mafic volcanic rocks although the mafic volcanic / intermediate volcanoclastic contact was found near the League #2 shaft. Careful mapping should continue to the east of the League shaft, with a goal of finding, and determining the geometry of, the mafic volcanic / intermediate volcanoclastic contact. Trenching and stripping should be done along strike of the League vein, especially if a NW-striking short F2 fold limb can be identified.

At the Lost-League area, mineralized faults and the short limb of asymmetric F2 folds are periodic and occur approximately every 100 m across strike (Figure 33). This pattern has the potential to continue to both the north (unmapped) and south (covered by swamp) or along strike to the west and east and should be investigated further. Unfortunately, the mineral rights to the west of the League #2 shaft is not part of the Van Horne property. To the south of the Lost shafts is a swamp, which would require drilling or another indirect method to test.

The detailed New Sense geophysics should be reprocessed and calibrated to test for E-W or WNW-ESE striking faults and NW-SE striking F2 fold short limbs. Unfortunately, the total magnetic intensity survey is unclear regarding changes at lithological contacts, potentially due to (for example) repeated thin veneers of intermediate volcanoclastic rocks in shallow F1 folds. It is recommended that sun shading from the north and east-northeast be done.

The orientation of drilling should be re-evaluated. Historically, drilling was done primarily southwards, most likely to intersect the E-W striking, north dipping fault-hosted veins. However, the orientation of both the fault-hosted and extensional veins (Figure 57), both of which are mineralized, is more

appropriately drilled to the southwest. Fault jogs, such as the mineralized jog at the Glatz East stripped area, are wider targets if drilled to the southwest (Figure 58). The orientation of bedding is also best transected if drilled to the southwest, as long F2 fold limbs generally strike to the NE, but short F2 fold limbs, which are more prospective, generally strike to the SE (Figure 50).

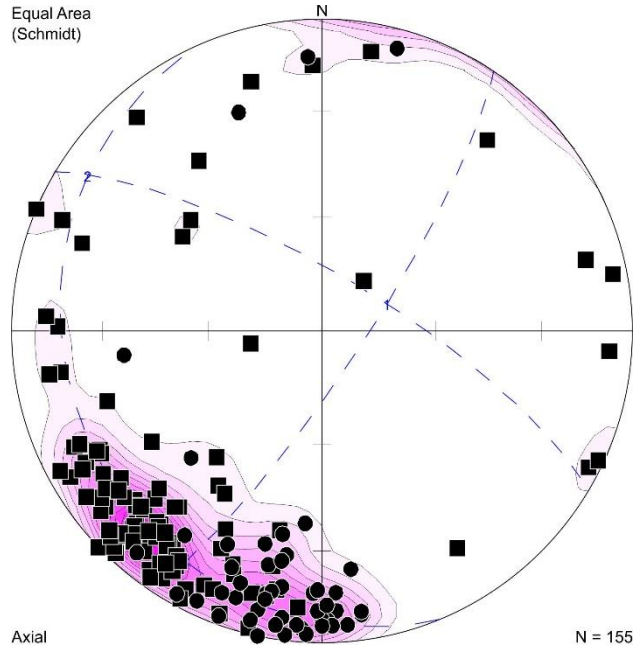


Figure 57- Stereonet of the orientation of all D2 foliation-parallel (fault-hosted) and extensional veins documented in the Van Horne property. The fault-hosted veins are plotted with circular symbols, whereas the extensional veins are plotted with square symbols.

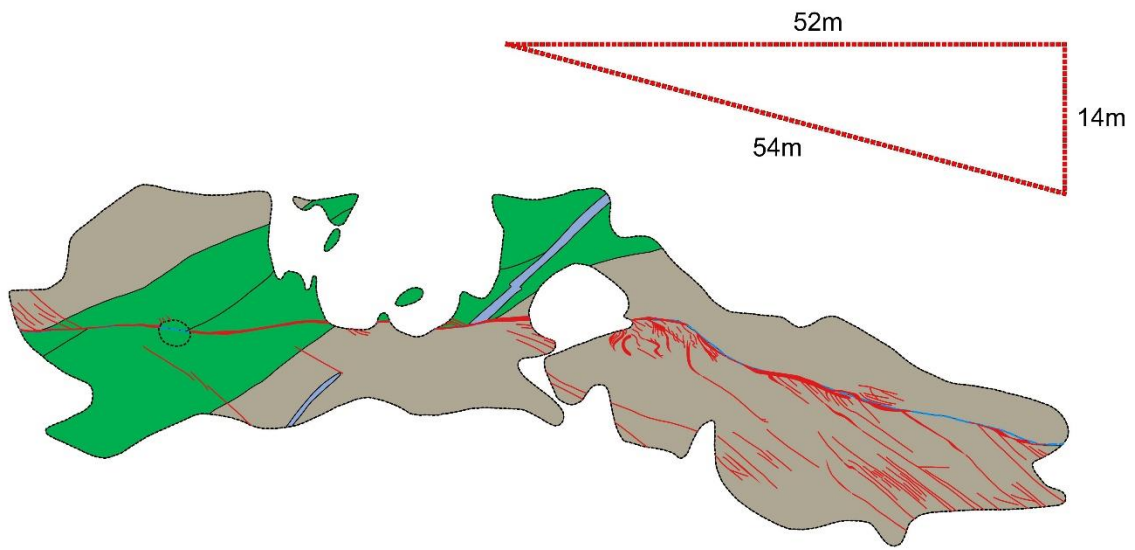


Figure 58- Diagram of the fault jog at Glatz East showing that the jog becomes a larger target when drilled to the southwest relative to the south.

Regional Exploration Targeting

As part of this mapping program, the author attended a field trip of the Western Wabigoon subprovince hosted by Ben Frieman of Metal Earth on July 24, 2019. Two outcrops were of particular interest: A) a stop within the Zealand sedimentary rocks, located immediately north of the Wabigoon Fault (UTM NAD83 Zone 15N 522545mE, 5512549mN) and B) a stop within sheared mafic volcanic rocks along the Manitou – Dinorwic Fault (UTM NAD83 Zone 15N 536820mE, 5501815mN).

The Zealand sedimentary rocks showed early, shallowly-plunging F1 folds overprinted by late, steeply-plunging Z-shaped F2 folds with an E-W striking axial planar foliation. This is consistent with the deformation documented at Van Horne and suggests that the Wabigoon Fault, striking $\sim 110^\circ$ here (Ontario Geological Survey 2011), initiated as a reverse fault during D1 that was reactivated as a D2 dextral fault. At the Manitou – Dinorwic Fault, the SW-NE striking shear zone has an associated micaceous WSW-ENE striking S-fabric, consistent with sinistral displacement. These micaceous S-fabrics in both the Wabigoon and Manitou – Dinorwic faults have a similar style and orientation, suggesting that they are a product of the same deformation. This implies that the D2 dextral displacement on the Wabigoon Fault is a conjugate to the sinistral displacement on the Manitou - Dinorwic Fault. Considering that D2 is related to gold mineralization at Van Horne, the intersection of these faults has potential for gold mineralization. At the fault intersection beneath Dinorwic Lake, limited gold mineralization is located near the shore and there is potential for rock extension and veining, most likely perpendicular to the micaceous foliation, to the SW near where these faults intersect (Figure 59).

The other area with potential for further gold mineralization is located near the Van Horne property. If, as proposed, the Van Horne area represents a folded sequence near the Wabigoon Fault (Figure 48), other structurally similar areas, such as Manitou Gold's Kenwest property, host gold mineralization. The limb of the fold pair that is nearest to the Wabigoon Fault should also be a regional target (Figure 48), although this area may underlie the Eagle Lake First Nation.

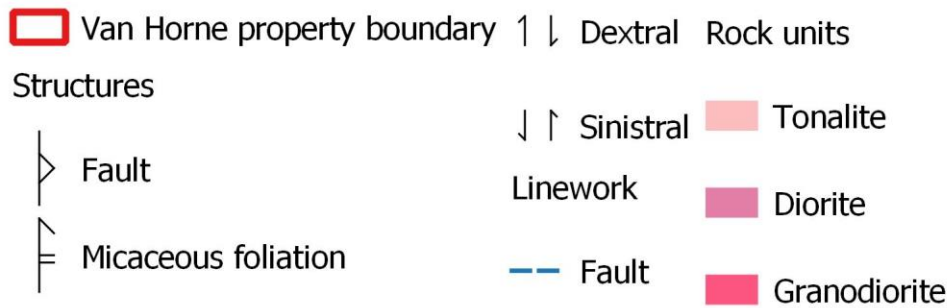
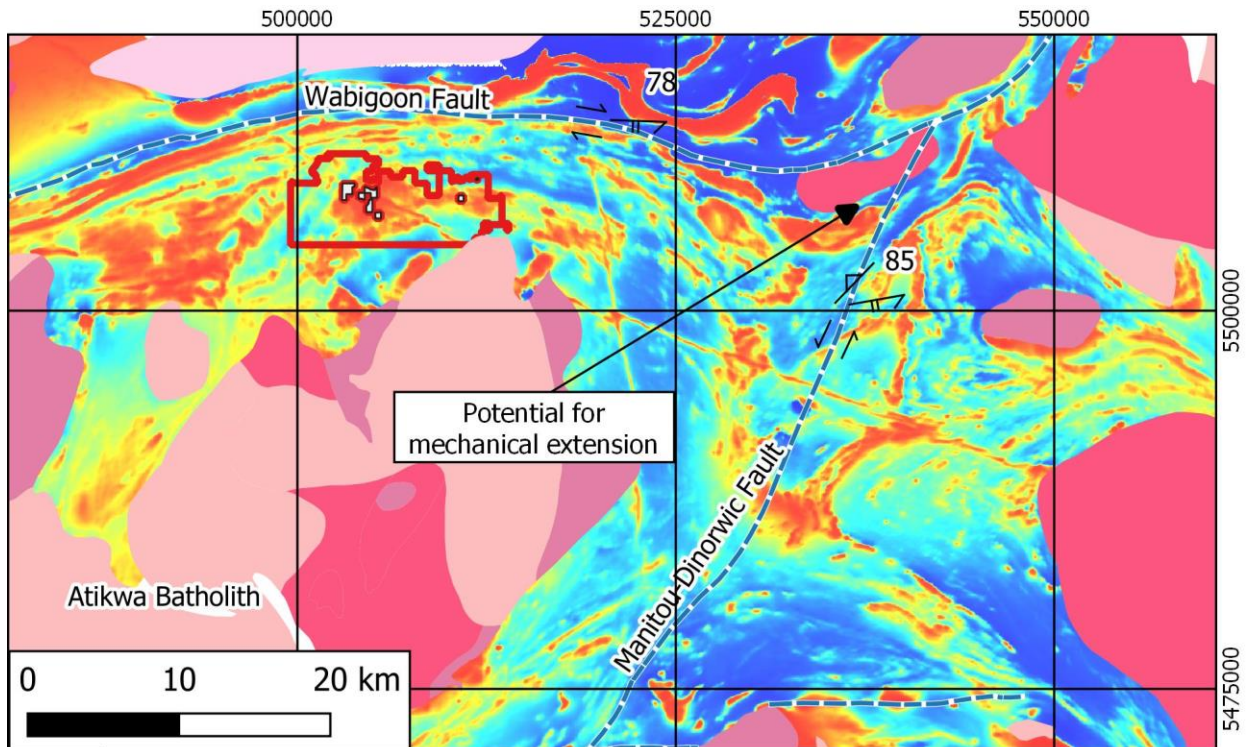


Figure 59: Location and kinematics of the major faults near Dryden, Ontario with potential for gold mineralization. Atikwa batholith and Ontario Geological Survey fault traces superimposed on regional total field magnetic geophysics (Ontario Geological Survey 2011)

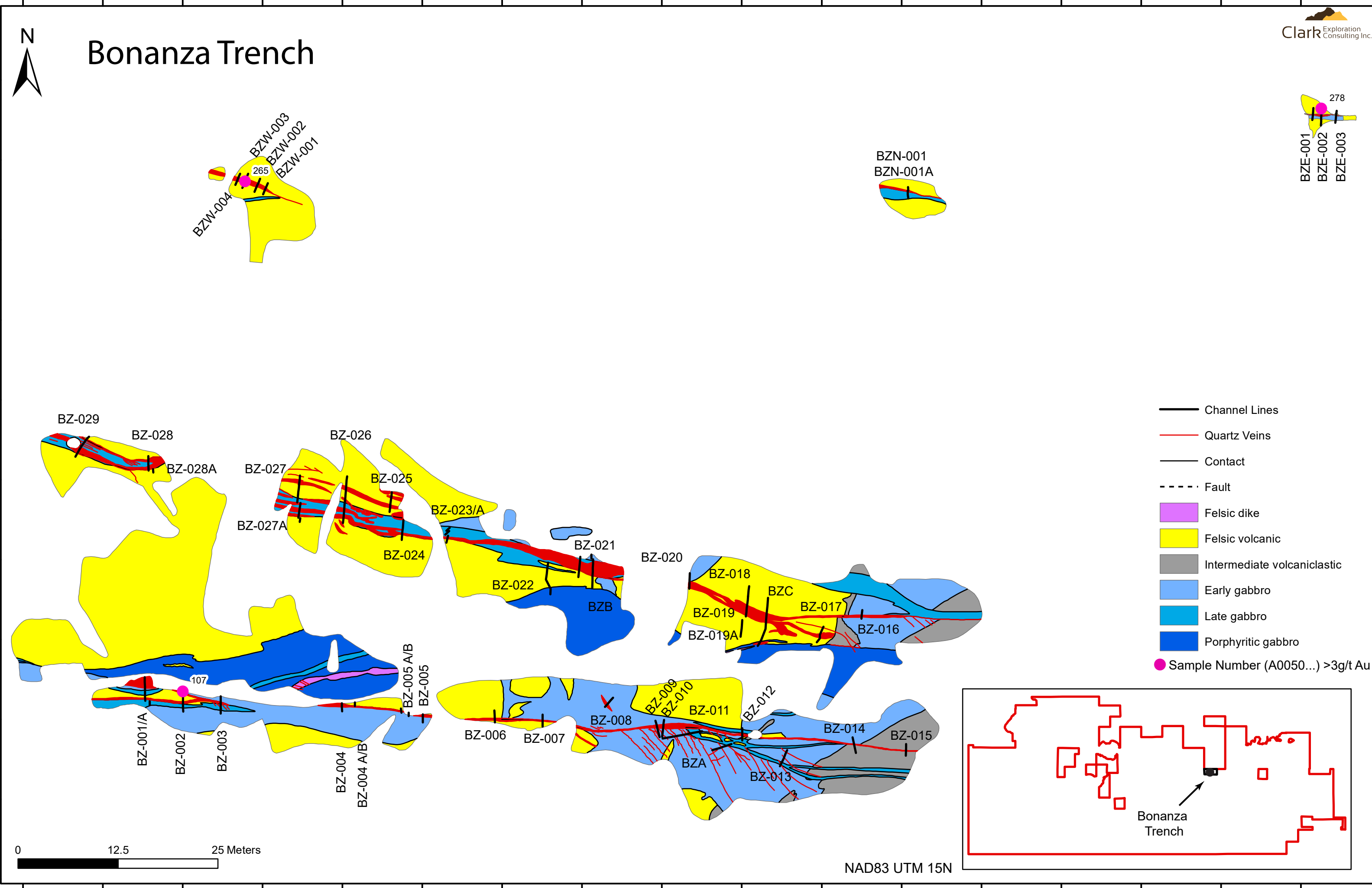
1:500,000 scale
 UTM NAD83 Zone 15N

References

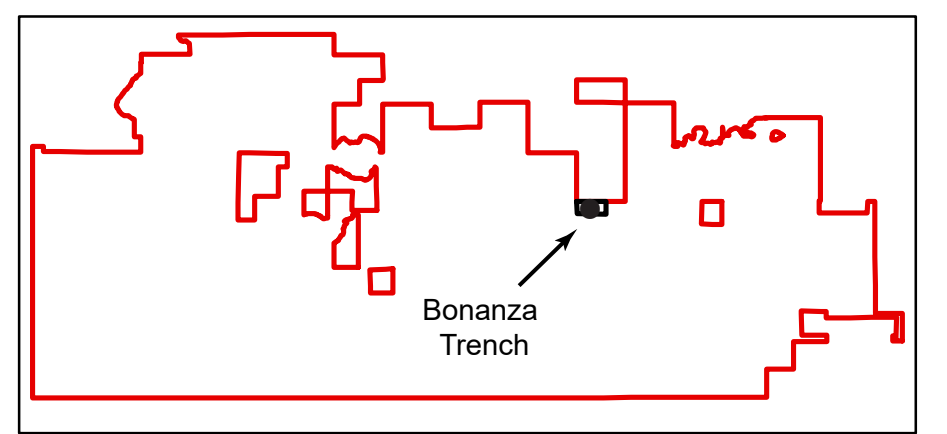
- Blackburn, C.E. 1979. Geology of the Upper Manitou Lake Area, District of Kenora. Ontario Geological Survey, Report 189, 74p.
- Bruce, E.L. 1925. Contact Bay (Bonanza and Redeemer) Gold Mines, District of Kenora, Ontario. Ontario Department of Mines, Map 34h, scale 1:2,400.
- Maunula, T. 2010. Kenwest Property National Instrument 43-101 Compliant Technical Report. Manitou Gold, 49p.
- Neuendorf, K.K.E., Mehl, J.P. and Jackson, J.A. 2005. Glossary of geology, 5th edition. American Geological Institute, 779p.
- Ontario Geological Survey, 2011. Ontario airborne geophysical surveys, magnetic and electromagnetic data, grid and vector data. Geosoft® format, Stormy Lake area. Ontario Geological Survey, Geophysical Data Set 1107b – Revision 1.
- Parker, J.R. and Scheinbein, R. 1988a. Precambrian Geology of the Flambeau Lake-Larson Bay Area, Western Part, District of Kenora. Ontario Geological Survey, Preliminary Map 3111, scale 1:4,800.
- Parker, J.R. and Scheinbein, R. 1988b. Precambrian Geology of the Flambeau Lake-Larson Bay Area, Eastern Part, District of Kenora. Ontario Geological Survey, Preliminary Map 3112, scale 1:4,800.
- Rennie, C.M. and Lengyel, J.W.P. 2010. 2009 Exploration Report, Van Horne Property. Laurentian Goldfields, 61p.

Appendix G: Stripping Maps

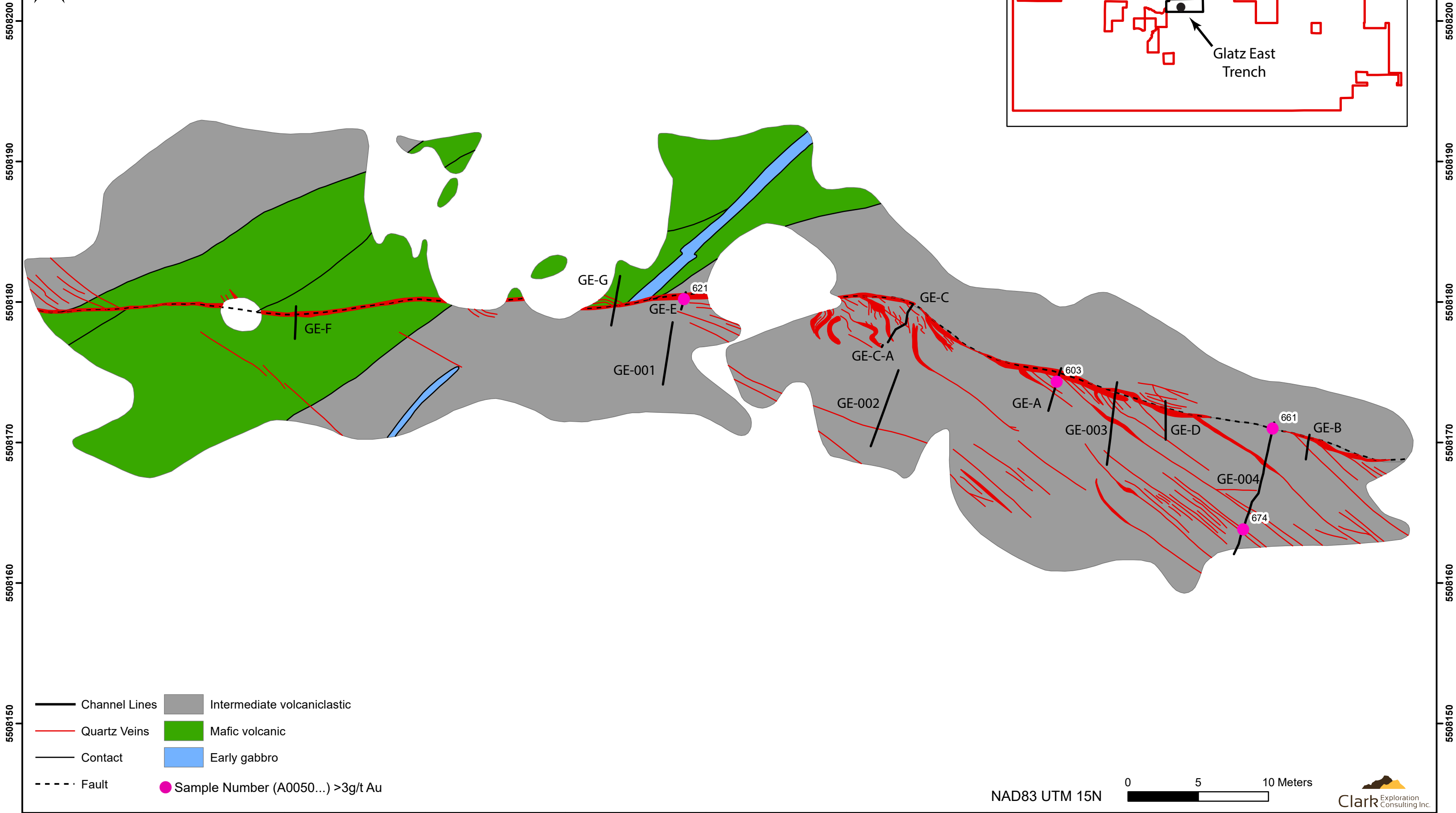
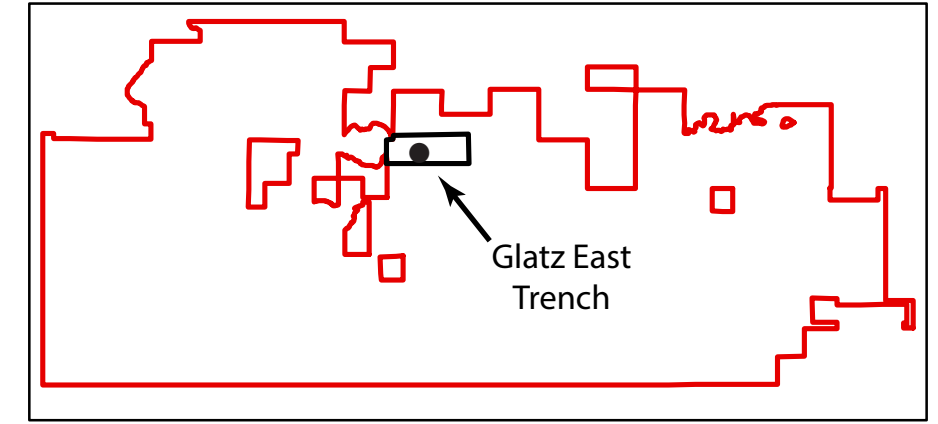
Bonanza Trench



NAD83 UTM 15N



Glatz East Trench

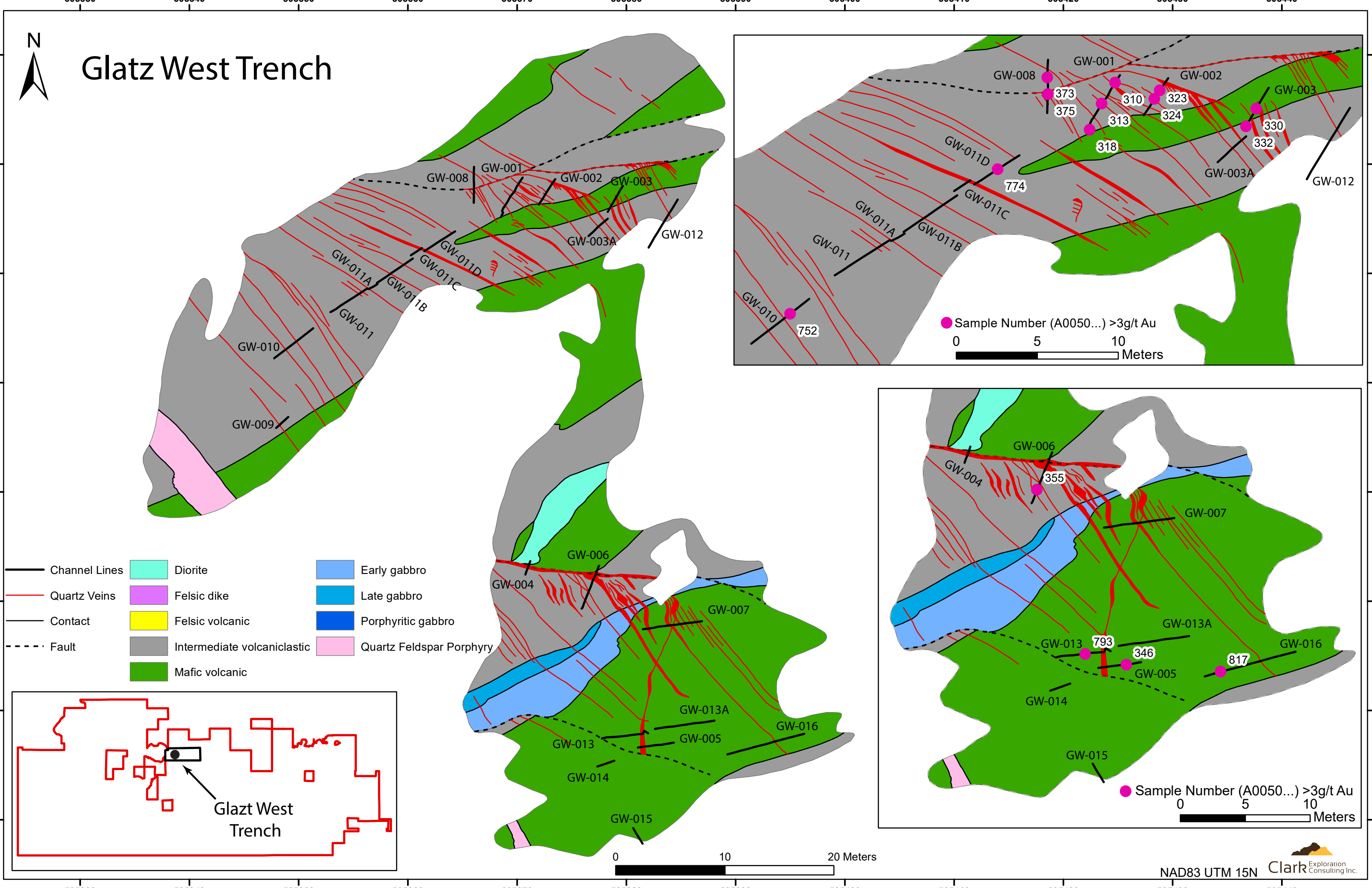


- Channel Lines
- Quartz Veins
- Contact
- Fault
- Intermediate volcanoclastic
- Mafic volcanic
- Early gabbro
- Sample Number (A0050...) >3g/t Au

NAD83 UTM 15N



Glatz West Trench



Appendix H: Channel Sample Descriptions

Van Horne 2019 Channel Sample Data Collection

Location ID	Channel ID	Sample Number	Sample Length (m)	Sample Number	Sample Start UTM Easting	Sample Start UTM Northing	Sample End UTM Easting	Sample End UTM Northing	Date Sampled	Geologist	Rock Type	Grain Size	Colour	Texture	Vin (%)	Sulphides (%)	Sulphide (%)	Sulphide Style 1	Sulphide 2	Sulphide Style 2	Alteration	Primary Alteration	Alteration Feature	Deformation	Description	Au (ppm)	Ag (ppm)	As (ppm)	Cu (ppm)	Zn (ppm)	Au GRAY (ppm)	Certificate
Banana Trench	BZ-001	182	0.1	04052001	508725.25	508715.27	508721.35	508714.61	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	75	Pyrite	8%	bb	bb	Weak	Chlorite	Fracture Fill	Weak	No shoulder sample taken (loss of outcrop); sulphides along contact quartz vein and altered wall rock (matrix). Spotty calc alteration in quartz.	0.15	-0.5	1	12	61			TB15149988
Banana Trench	BZ-001	183	0.1	04052002	508725.25	508715.27	508719.44	508725.28	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	15	Pyrite	4%	bb	bb	Strong	Ankerite	Fracture Fill	Weak	Pervasive sericite; chlorite and ankerite alteration. Ankerite alteration in veins and along margins.	0.050	-0.5	7	27	114			TB15149988
Banana Trench	BZ-001	184	0.1	04052003	508725.25	508715.27	508723.74	508723.74	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	15	Pyrite	2%	bb	bb	Moderate	Ankerite	Fracture Fill	Weak	Ankerite alteration in vein, with biotite and chlorite contact.	0.080	-0.5	1	11	27			TB15149988
Banana Trench	BZ-001	185	0.1	04052004	508725.25	508715.27	508724.84	508724.84	15-May-19	Percy Clark	Felsic Volcanic	fine	Light Grey	Foliated	30	Pyrite	2%	bb	bb	Moderate	Ankerite	Fracture Fill	Weak	Sericite alteration, multiple thin quartz veins in sample. Ankerite alteration in veins.	0.070	-0.5	8	15	39			TB15149988
Banana Trench	BZ-001	186	0.1	04052005	508725.25	508715.27	508725.28	508725.28	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	15	Pyrite	2%	bb	bb	Moderate	Ankerite	Fracture Fill	Weak	Fracture filled, subparallel margins. Ankerite alteration in veins.	0.080	-0.5	1	11	27			TB15149988
Banana Trench	BZ-001A	180	0.1	04052006	508715.88	508715.85	508715.74	508715.74	15-May-19	Percy Clark	Felsic Volcanic	fine	Light Grey	Foliated	15	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Not Present	Shoulder sample (small fragment of BZ-001); irregular cut.	<0.005	-0.5	1	25	64			TB15149988
Banana Trench	BZ-002	187	0.1	04052007	508730.02	508719.03	508720.03	508719.03	15-May-19	Percy Clark	Quartz Vein	fine	Red Brown	Foliated	80	Pyrite	3%	bb	bb	Strong	Ankerite	Fracture Fill	Strong	Shoulder sample taken (loss of outcrop); large blebbly pyrite. Fracture filling ankerite in host rock.	3.27	-0.5	10	16	25	3.05		TB15149988
Banana Trench	BZ-002	188	0.1	04052008	508730.02	508719.03	508720.03	508719.03	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	40	Pyrite	2%	bb	bb	Moderate	Ankerite	Fracture Fill	Strong	Irregular quartz veins; large blebbly pyrite. Pervasive sericite alteration (D1).	0.020	-0.5	1	10	28			TB15149988
Banana Trench	BZ-002	189	0.1	04052009	508730.02	508719.03	508721.48	508719.03	15-May-19	Percy Clark	Quartz Vein	fine	Red Brown	Foliated	40	Pyrite	1%	bb	bb	Strong	Ankerite	Fracture Fill	Strong	Deformed quartz (vegetal?) Sulphides potentially weathered out. Ankerite alteration in host rock. Ankerite at all contacts.	0.020	-0.5	1	22	34			TB15149988
Banana Trench	BZ-002	190	0.1	04052010	508730.04	508719.18	508720.03	508719.18	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	15	Pyrite	2%	bb	bb	Moderate	Ankerite	Fracture Fill	Weak	0.5-3 cm quartz veins parallel to foliation, and in quartz veins along margins of vein. 15% on vein margins.	<0.005	-0.5	1	11	31			TB15149988
Banana Trench	BZ-002	191	0.1	04052011	508730.04	508719.18	508720.03	508719.18	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	15	Pyrite	2%	bb	bb	Moderate	Ankerite	Fracture Fill	Weak	Ankerite alteration in quartz vein, shoulder sample.	<0.005	-0.5	1	11	31			TB15149988
Banana Trench	BZ-003	188	0.1	04052012	508731.74	508719.88	508731.74	508719.88	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Shoulder sample.	0.070	-0.5	1	11	27			TB15149988
Banana Trench	BZ-003	189	0.1	04052013	508731.74	508719.88	508731.74	508719.88	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Shoulder sample.	0.070	-0.5	1	11	27			TB15149988
Banana Trench	BZ-003	190	0.1	04052014	508731.74	508719.88	508731.74	508719.88	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Shoulder sample.	0.070	-0.5	1	11	27			TB15149988
Banana Trench	BZ-004	188	0.1	04052015	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988
Banana Trench	BZ-004	189	0.1	04052016	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	45	Pyrite	5%	bb	bb	Moderate	Sericite	Fracture Fill	Moderate	5% fracture fill mineralization in veins and along vein margins. Ankerite alteration moderate in vein portion of sample.	0.108	-0.5	8	26	68			TB15149988
Banana Trench	BZ-003	188	0.1	04052017	508734.74	508719.88	508734.74	508719.88	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	2	Pyrite	2%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Rubby sample.	0.007	-0.5	7	42	85			TB15149988
Banana Trench	BZ-003	189	0.1	04052018	508734.74	508719.88	508734.74	508719.88	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	2	Pyrite	2%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Shoulder sample.	<0.005	-0.5	1	9	77			TB15149988
Banana Trench	BZ-004	188	0.1	04052019	508731.54	508719.12	508731.54	508719.12	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Shoulder sample alteration in veins.	0.020	-0.5	1	11	27			TB15149988
Banana Trench	BZ-004	189	0.1	04052020	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988
Banana Trench	BZ-004	190	0.1	04052021	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	45	Pyrite	5%	bb	bb	Moderate	Sericite	Fracture Fill	Moderate	5% fracture fill mineralization in veins and along vein margins. Ankerite alteration moderate in vein portion of sample.	0.108	-0.5	8	26	68			TB15149988
Banana Trench	BZ-004	191	0.1	04052022	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	2	Pyrite	2%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Rubby sample.	0.007	-0.5	7	42	85			TB15149988
Banana Trench	BZ-004	192	0.1	04052023	508731.54	508719.12	508731.54	508719.12	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Shoulder sample.	<0.005	-0.5	1	9	77			TB15149988
Banana Trench	BZ-004	193	0.1	04052024	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988
Banana Trench	BZ-004	194	0.1	04052025	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	45	Pyrite	5%	bb	bb	Moderate	Sericite	Fracture Fill	Moderate	5% fracture fill mineralization in veins and along vein margins. Ankerite alteration moderate in vein portion of sample.	0.108	-0.5	8	26	68			TB15149988
Banana Trench	BZ-004	195	0.1	04052026	508731.54	508719.12	508731.54	508719.12	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Rubby sample.	0.007	-0.5	7	42	85			TB15149988
Banana Trench	BZ-004	196	0.1	04052027	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988
Banana Trench	BZ-004	197	0.1	04052028	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	45	Pyrite	5%	bb	bb	Moderate	Sericite	Fracture Fill	Moderate	5% fracture fill mineralization in veins and along vein margins. Ankerite alteration moderate in vein portion of sample.	0.108	-0.5	8	26	68			TB15149988
Banana Trench	BZ-004	198	0.1	04052029	508731.54	508719.12	508731.54	508719.12	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Rubby sample.	0.007	-0.5	7	42	85			TB15149988
Banana Trench	BZ-004	199	0.1	04052030	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988
Banana Trench	BZ-004	200	0.1	04052031	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	45	Pyrite	5%	bb	bb	Moderate	Sericite	Fracture Fill	Moderate	5% fracture fill mineralization in veins and along vein margins. Ankerite alteration moderate in vein portion of sample.	0.108	-0.5	8	26	68			TB15149988
Banana Trench	BZ-004	201	0.1	04052032	508731.54	508719.12	508731.54	508719.12	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Rubby sample.	0.007	-0.5	7	42	85			TB15149988
Banana Trench	BZ-004	202	0.1	04052033	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988
Banana Trench	BZ-004	203	0.1	04052034	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	45	Pyrite	5%	bb	bb	Moderate	Sericite	Fracture Fill	Moderate	5% fracture fill mineralization in veins and along vein margins. Ankerite alteration moderate in vein portion of sample.	0.108	-0.5	8	26	68			TB15149988
Banana Trench	BZ-004	204	0.1	04052035	508731.54	508719.12	508731.54	508719.12	15-May-19	Percy Clark	Felsic Volcanic	fine	Grey	Foliated	1	Pyrite	1%	bb	bb	Weak	Ankerite	Fracture Fill	Weak	Rubby sample.	0.007	-0.5	7	42	85			TB15149988
Banana Trench	BZ-004	205	0.1	04052036	508748.94	508719.02	508748.94	508719.02	15-May-19	Percy Clark	Quartz Vein	fine	Grey	Foliated	50	Pyrite	4%	bb	bb	Moderate	Chlorite	Fracture Fill	Moderate	Possible flare of ep. blank to foliation. Veins sheared parallel to foliation.	0.16	-0.5	10	50	75			TB15149988

Start West	GW-013	218	05	4050777	505382.64	5058153.34	505383.20	5058153.83	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	shoulder sample, mod silicification, mod ank and ch1, ch1 bands, drift of py near small qtz vein (0.2cm wide)	<0.005	<0.5	6	75	115		
Start West	GW-012	218	05	4050778	505382.30	5058153.33	505382.57	5058153.73	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	quartz eyes 0.3cm wide, buffed quartz vein, weak ank, sil. tabs of py throughout	<0.005	<0.5	<5	124	124		
Start West	GW-012	218	06	4050779	505382.574	5058153.277	505382.892	5058153.795	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	blebby	pyrite	1	disseminated	moderate	ankerite	fracture fill	moderate	quartz eyes 0.3cm wide, some parts of qtz vein are rutted and weathered out, ank is fracture fill, blebby py throughout, tourmaline in qtz vein as well	<0.005	<0.5	<5	92	121		
Start West	GW-012	224	04	4050780	505289.89	5058153.793	505289.114	5058154.144	24 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	3	pyrite	2	disseminated	pyrite	1	blebby	moderate	ankerite	fracture fill	moderate	minor qtz eyes, some areas of qtz vein are vuggy and weathered out, ank is fracture fill, cubic disseminated py in host	1.285	<0.5	<5	69	172		
Start West	GW-012	224	06	4050781	505381.106	5058154.146	505383.369	5058154.586	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	10	pyrite	2	blebby	pyrite	1	disseminated	moderate	ankerite	fracture fill	moderate	minor qtz eyes, some areas of qtz vein are vuggy and weathered out, ank is fracture fill, cubic disseminated py in host	0.085	<0.5	<5	88	142		
Start West	GW-012	224	05	4050782	505377.76	5058154.146	505378.73	5058154.586	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	1	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	fracture fill	moderate	minor qtz eyes, some areas of qtz vein are vuggy and weathered out, ank is fracture fill, cubic disseminated py in host	<0.005	<0.5	<5	30	81		
Start West	GW-012	224	04	4050783	505381.367	5058154.582	505381.584	5058154.934	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	1	pyrite	2	blebby	pyrite	1	disseminated	moderate	ankerite	perovskite	weak	minor qtz eyes, blebby py throughout, disseminated py in rutted mod pervasiv ank	0.104	<0.5	<5	69	171		
Start West	GW-012	224	04	4050784	505381.585	5058154.938	505383.905	5058155.437	31 Jul 19	Maddison Hooper	quartz vein	fine	cream	isagry	65	pyrite	6	disseminated	pyrite	2	blebby	strong	ankerite	perovskite	moderate	qtz cen sample, some host rock (intermediate volcanic) included, cubic py ~0.5cm disseminated throughout, blebby py, fracture fill ank, some vuggy areas in qtz vein	2.238	<0.5	8	48	36		
Start West	GW-012	224	05	4050785	505381.901	5058155.438	505384.164	5058155.897	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	3	disseminated	pyrite	2	blebby	moderate	ankerite	fracture fill	moderate	minor qtz eyes, disseminated py throughout, formings, minor, blebby py throughout, rutted mostly, fracture fill ank	0.113	<0.5	<5	83	145		
Start West	GW-012	224	05	4050786	505381.165	5058155.884	505384.433	5058163.325	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	10	pyrite	2	disseminated	pyrite	2	blebby	moderate	ankerite	fracture fill	moderate	minor qtz eyes, tourmaline, ch1 and ank in qtz veins, fracture fill ank in qtz veins, some veins have vugs	<0.005	<0.5	3	71	113		
Start West	GW-012	224	05	4050787	505381.443	5058156.337	505384.699	5058162.739	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	mod silicification, ch1 and ank at, disseminated py throughout	<0.005	<0.5	3	75	112		
Start West	GW-013	232	05	4050788	505377.76	5058157.41	505378.73	5058162.739	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	1	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	shoulder sample, flow top breccia, clasts range from 0.3-0.2cm strong ch1, weak ank	0.026	<0.5	3	79	106		
Start West	GW-013	232	05	4050789	505378.62	5058157.41	505379.64	5058162.739	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	flow top breccia, clasts range from 0.5-0.8cm, strong ch1, ank, ch1	<0.005	<0.5	12	34	224		
Start West	GW-013	232	05	4050790	505378.60	5058157.41	505379.38	5058162.739	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	10	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	flow top breccia, clasts range from 0.3-0.5cm, r disseminated py, mod ank, some vugs in qtz veins and tourmaline in veins	0.009	<0.5	8	36	262		
Start West	GW-013	232	05	4050791	505379.13	5058157.41	505379.58	5058162.739	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	5	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	moderate	flow top breccia, clasts range from 0.3-0.5cm, blebby and disseminated py throughout, tourmaline in qtz veins, fracture fill and pervasiv ank, ch1 at as well	0.016	<0.5	7	40	209		
Start West	GW-013	232	05	4050792	505379.58	5058162.739	505380.07	5058167.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	15	pyrite	3	blebby	pyrite	3	disseminated	strong	ankerite	perovskite	moderate	flow top breccia, clasts range from 0.3-0.5cm, blebby and disseminated py throughout, tourmaline in qtz veins, fracture fill and pervasiv ank, ch1 at as well	0.101	<0.5	6	41	276		
Start West	GW-013	232	05	4050793	505380.07	5058167.63	505380.53	5058172.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	1	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	moderate	flow top breccia, clasts range from 0.3-0.5cm, disseminated py throughout, quartz eyes can be seen throughout, ~0.3cm wide	3.14	0.67	132	96	2840	395	
Start West	GW-013	232	04	4050794	505380.53	5058172.63	505380.98	5058177.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	flow top breccia, clasts range from 0.3-0.5cm and blebby and disseminated py throughout	0.091	<0.5	32	70	757		
Start West	GW-013	232	04	4050795	505380.98	5058177.63	505381.52	5058182.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	13	pyrite	7	disseminated	pyrite	5	blebby	strong	ankerite	fracture fill	strong	flow top breccia, clasts range from 0.3-0.5cm, blebby and disseminated py throughout, more disseminated than blebby, ank is both pervasiv and fracture fill ~1% tourmaline in qtz veins	0.033	<0.5	8	20	492		
Start West	GW-013	232	05	4050796	505381.52	5058182.63	505382.07	5058187.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	3	pyrite	2	disseminated	pyrite	2	blebby	moderate	ankerite	perovskite	moderate	flow top breccia, disseminated py throughout, both fracture fill and pervasiv ank, some ch1 at	1.14	0.3	107	119	81		
Start West	GW-013	232	05	4050798	505381.63	5058182.63	505382.43	5058192.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	4	pyrite	5	disseminated	pyrite	3	blebby	moderate	ankerite	perovskite	moderate	shoulder sample, flow top breccia, disseminated py throughout, as well as blebby py throughout, sulphides can also be found ad to qtz vein, fracture fill ank as well as pervasiv ank and some ch1 at	0.362	0.6	31	28	416		
Start West	GW-011A	236	05	4050799	505381.63	5058182.63	505381.29	5058192.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	1	pyrite	2	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	shoulder sample, flow top breccia, disseminated py throughout, pervasiv ank and ch1 at	0.011	<0.5	7	15	240		
Start West	GW-011A	236	05	4050800	505381.29	5058182.63	505381.81	5058192.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	1	pyrite	2	disseminated	pyrite	1	blebby	moderate	ankerite	perovskite	weak	flow top breccia, disseminated py throughout, ch1 at as well, ~1% tourmaline in qtz vein	0.101	<0.5	6	28	176		
Start West	GW-011A	236	05	4050801	505381.81	5058192.63	505381.28	5058202.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	fracture fill	moderate	flow top breccia, disseminated py throughout, ank fracture fill instead of qtz veins, ch1 at	0.201	<0.5	<5	44	428		
Start West	GW-011A	236	05	4050802	505381.28	5058202.63	505381.99	5058212.63	31 Jul 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	4	pyrite	1	disseminated	pyrite	1	blebby	moderate	ankerite	fracture fill	moderate	flow top breccia, disseminated py throughout, ank fracture fill and pervasiv, ch1 at	0.176	<0.5	<5	36	239		
Start West	GW-011A	236	05	4050803	505381.99	5058212.63	505381.54	5058222.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	10	pyrite	2	disseminated	pyrite	1	blebby	moderate	ankerite	fracture fill	moderate	flow top breccia, disseminated and blebby py found in middle of clasts/on the outside of the clasts, ank fracture fill and ch1 at	0.211	<0.5	5	16	158		
Start West	GW-01A	236	04	4050804	505381.54	5058222.63	505381.14	5058232.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	2	disseminated	pyrite	2	blebby	moderate	ankerite	perovskite	moderate	flow top breccia, disseminated py found in clasts and throughout, blebby py found in qtz vein, ch1 at as well, ank can be mod silicification, ch1 at, disseminated cubic py throughout, blebby py throughout, 2% disseminated ch1 throughout, ch1 at	0.45	<0.5	<5	39	166		
Start West	GW-01A	236	05	4050805	505381.14	5058232.63	505380.68	5058242.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	15	pyrite	4	blebby	pyrite	2	disseminated	moderate	ankerite	perovskite	strong	flow top breccia, disseminated cubic py throughout, blebby py found mostly in qtz vein	1.306	<0.5	<5	20	157		
Start West	GW-01A	236	05	4050806	505380.68	5058242.63	505380.22	5058252.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	10	pyrite	3	disseminated	pyrite	3	blebby	moderate	ankerite	perovskite	strong	flow top breccia, disseminated cubic py throughout, blebby py throughout, 2% disseminated ch1 throughout, ch1 at	0.112	0.6	<5	20	157		
Start West	GW-01A	236	05	4050807	505380.22	5058252.63	505380.77	5058262.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	10	pyrite	3	disseminated	pyrite	3	blebby	moderate	ankerite	perovskite	strong	flow top breccia, disseminated cubic py throughout, blebby py throughout, 2% disseminated ch1 throughout, ch1 at	0.013	<0.5	32	70	757		
Start West	GW-01A	236	04	4050808	505380.77	5058262.63	505379.83	5058272.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	3	disseminated	pyrite	3	blebby	moderate	ankerite	perovskite	weak	shoulder sample, flow top breccia, ch1 at, vuggy qtz veins, disseminated py throughout	0.393	1	14	41	82		
Start West	GW-01A	236	05	4050809	505379.83	5058272.63	505379.39	5058282.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	3	disseminated	pyrite	3	blebby	moderate	ankerite	perovskite	weak	shoulder sample, ch1 at, cubic disseminated py throughout, ank is both pervasiv and fracture fill ~1% tourmaline in qtz veins	<0.005	<0.5	8	16	215		
Start West	GW-01A	236	05	4050810	505379.39	5058282.63	505378.95	5058292.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	3	disseminated	pyrite	3	blebby	moderate	ankerite	perovskite	weak	ch1 at, disseminated cubic py throughout, blebby py throughout and also in qtz vein, some vugs	0.147	<0.5	114	28	962		
Start West	GW-01A	236	05	4050811	505378.95	5058292.63	505378.51	5058302.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	2	pyrite	2	disseminated	pyrite	2	blebby	moderate	ankerite	perovskite	moderate	ch1 at, disseminated and blebby py throughout, vuggy qtz vein areas, ch1 at	0.098	<0.5	24	57	342		
Start West	GW-01A	236	04	4050812	505380.22	5058302.63	505380.78	5058312.63	3 Aug 19	Maddison Hooper	intermediate volcanic	medium	green grey	foliated	3	pyrite	1																

Appendix I: Channel Sample Certificates of Analysis



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 3-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19149898

Project: Van Horne

This report is for 78 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 20-JUN-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 3-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19149898

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm
A0050101		9.76	<0.5	5	12	61	0.150	
A0050102		8.05	<0.5	5	27	114	0.569	
A0050103		4.07	<0.5	<5	42	66	0.150	
A0050104		6.82	<0.5	8	15	39	0.679	
A0050105		7.38	<0.5	<5	50	116	0.036	
A0050106		5.38	<0.5	5	25	64	<0.005	
A0050107		6.68	<0.5	10	16	25	3.27	3.05
A0050108		3.23	<0.5	13	8	41	0.729	
A0050109		4.16	<0.5	24	22	34	0.626	
A0050110		3.81	<0.5	<5	39	97	0.011	
A0050111		6.46	<0.5	<5	13	83	<0.005	
A0050112		8.03	<0.5	<5	46	88	0.023	
A0050113		0.07	1.4	19	40	90	1.025	
A0050114		5.02	<0.5	8	26	68	0.108	
A0050115		4.87	<0.5	7	42	85	0.007	
A0050116		4.68	<0.5	<5	9	77	<0.005	
A0050117		6.45	<0.5	<5	55	75	0.028	
A0050118		5.66	<0.5	10	50	76	0.060	
A0050119		0.07	<0.5	6	22	38	<0.005	
A0050120		7.50	<0.5	5	34	72	0.248	
A0050121		4.68	<0.5	<5	10	68	<0.005	
A0050122		5.99	<0.5	<5	39	46	0.090	
A0050123		4.65	<0.5	8	17	17	2.19	
A0050124		0.07	99.3	222	4500	3820	>10.0	25.3
A0050125		4.82	<0.5	<5	18	62	0.033	
A0050126		0.07	<0.5	8	21	37	<0.005	
A0050127		6.92	<0.5	<5	6	68	<0.005	
A0050128		6.89	<0.5	<5	42	57	0.898	
A0050129		5.98	<0.5	<5	20	69	0.021	
A0050130		5.61	<0.5	<5	22	78	0.013	
A0050131		4.08	0.6	6	31	101	0.288	
A0050132		6.31	0.5	<5	13	107	0.031	
A0050133		6.05	<0.5	5	17	121	<0.005	
A0050134		7.17	<0.5	5	20	93	<0.005	
A0050135		7.14	<0.5	5	77	57	<0.005	
A0050136		6.64	<0.5	6	25	76	<0.005	
A0050137		4.99	<0.5	7	52	79	0.202	
A0050138		4.48	<0.5	6	79	85	0.185	
A0050139		0.07	1.0	6040	50	68	6.76	6.34
A0050140		5.76	0.6	8	37	68	0.019	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 3-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19149898

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050141		4.75	<0.5	5	36	82	0.006	
A0050142		3.05	0.6	8	92	87	0.325	
A0050143		4.61	1.0	15	156	22	2.58	
A0050144		5.78	0.5	<5	41	79	2.60	
A0050145		6.01	<0.5	<5	32	117	0.019	
A0050146		11.53	0.8	<5	66	144	0.131	
A0050147		10.79	<0.5	<5	34	92	0.107	
A0050148		13.51	0.7	10	39	56	0.733	
A0050149		18.27	<0.5	<5	39	102	0.155	
A0050150		9.45	<0.5	5	41	104	0.039	
A0050151		8.05	<0.5	<5	4	97	<0.005	
A0050152		0.07	1.5	17	42	88	1.065	
A0050153		4.79	<0.5	<5	19	93	0.378	
A0050154		6.46	<0.5	<5	9	92	0.007	
A0050155		6.58	<0.5	<5	22	105	0.032	
A0050156		6.66	<0.5	<5	21	92	0.801	
A0050157		5.64	<0.5	<5	16	73	1.115	
A0050158		6.13	<0.5	<5	8	128	0.024	
A0050159		6.89	<0.5	<5	5	72	<0.005	
A0050160		4.95	<0.5	<5	33	56	0.230	
A0050161		6.35	<0.5	<5	63	114	0.081	
A0050162		5.54	<0.5	<5	52	112	<0.005	
A0050163		7.42	0.5	<5	60	121	0.008	
A0050164		6.66	<0.5	<5	36	91	0.005	
A0050165		0.07	<0.5	<5	21	37	<0.005	
A0050166		7.60	<0.5	<5	61	107	0.007	
A0050167		7.08	<0.5	<5	13	86	0.009	
A0050168		4.05	0.5	<5	18	49	2.49	
A0050169		6.62	<0.5	<5	12	71	0.012	
A0050170		7.09	<0.5	<5	9	60	0.087	
A0050171		6.30	<0.5	<5	11	61	0.234	
A0050172		4.56	<0.5	<5	16	56	0.551	
A0050173		6.43	<0.5	<5	15	45	0.651	
A0050174		7.05	<0.5	<5	14	38	0.196	
A0050175		6.85	<0.5	<5	11	74	0.021	
A0050176		6.37	<0.5	<5	11	67	0.276	
A0050177		6.87	<0.5	<5	30	66	0.755	
A0050178		0.07	0.9	6120	50	70	6.31	6.96



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 16-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19164361

Project: Van Horne

This report is for 36 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 5-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 16-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19164361

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm
		0.02	0.5	5	1	2	0.005
A0050219		6.66	<0.5	<5	17	70	<0.005
A0050220		6.52	<0.5	5	63	39	0.006
A0050221		7.93	<0.5	<5	9	46	<0.005
A0050222		6.84	<0.5	8	12	40	<0.005
A0050223		7.60	<0.5	5	38	70	0.073
A0050224		8.72	<0.5	<5	18	121	0.010
A0050225		7.42	<0.5	<5	7	109	0.017
A0050226		9.70	<0.5	<5	9	98	0.307
A0050227		8.02	<0.5	<5	10	91	0.443
A0050228		7.06	<0.5	7	17	60	1.525
A0050229		7.34	<0.5	<5	11	46	0.061
A0050230		0.07	1.7	24	41	90	1.070
A0050231		6.26	<0.5	<5	12	58	0.021
A0050232		4.55	<0.5	<5	20	70	0.008
A0050233		4.63	<0.5	9	16	59	0.011
A0050234		5.61	<0.5	<5	10	57	<0.005
A0050235		5.93	<0.5	<5	18	53	<0.005
A0050236		6.40	<0.5	8	11	41	0.039
A0050237		7.00	<0.5	7	76	53	0.008
A0050238		11.77	<0.5	<5	35	41	<0.005
A0050239		6.09	<0.5	8	20	94	0.145
A0050240		7.85	<0.5	5	36	129	0.022
A0050241		6.06	<0.5	5	9	43	0.495
A0050242		7.05	<0.5	6	15	36	0.064
A0050243		0.07	<0.5	5	20	35	0.005
A0050244		8.84	<0.5	5	11	47	<0.005
A0050245		7.47	<0.5	5	28	34	0.006
A0050246		9.03	<0.5	6	21	33	1.095
A0050247		3.87	<0.5	6	42	70	0.473
A0050248		4.17	<0.5	7	18	93	0.010
A0050249		4.52	<0.5	5	13	62	0.008
A0050250		10.58	<0.5	5	7	60	<0.005
A0050251		12.24	<0.5	7	24	59	0.025
A0050252		4.49	<0.5	<5	28	76	0.404
A0050253		5.60	<0.5	5	15	69	0.178
A0050254		4.05	<0.5	6	12	51	0.022



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-JUL-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19164361

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	ME-ICP61		



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 15-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19168434

Project: Van Horne

This report is for 52 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 15-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168434

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050255		6.91	<0.5	<5	5	71	0.005	
A0050256		0.07	0.5	6310	50	71	6.62	7.38
A0050257		4.57	<0.5	6	12	97	1.240	
A0050258		4.77	<0.5	<5	2	96	<0.005	
A0050259		3.47	<0.5	<5	6	51	0.090	
A0050260		2.91	<0.5	<5	19	72	0.545	
A0050261		6.55	<0.5	<5	7	84	0.226	
A0050262		5.35	<0.5	<5	2	96	<0.005	
A0050263		7.25	<0.5	<5	6	93	<0.005	
A0050264		5.30	<0.5	<5	6	69	0.039	
A0050265		5.57	0.7	<5	8	43	5.02	5.06
A0050266		4.92	<0.5	<5	17	84	0.110	
A0050267		4.43	<0.5	<5	11	50	0.104	
A0050268		6.23	<0.5	<5	7	61	0.136	
A0050269		0.07	2.0	20	46	97	1.090	
A0050270		4.57	<0.5	<5	15	88	0.015	
A0050271		5.90	<0.5	5	32	196	0.452	
A0050272		7.01	<0.5	5	23	207	1.395	
A0050273		8.33	<0.5	<5	12	48	<0.005	
A0050274		6.61	<0.5	<5	15	111	<0.005	
A0050275		4.64	<0.5	<5	69	101	0.257	
A0050276		6.05	<0.5	<5	52	124	0.008	
A0050277		5.51	<0.5	<5	13	105	<0.005	
A0050278		5.78	0.8	<5	17	17	3.70	3.87
A0050279		7.76	<0.5	<5	46	139	0.025	
A0050280		3.47	<0.5	<5	40	124	0.006	
A0050281		5.17	<0.5	<5	16	99	<0.005	
A0050282		0.07	<0.5	7	20	37	0.009	
A0050283		6.29	<0.5	6	14	95	<0.005	
A0050284		5.01	<0.5	<5	45	75	1.670	
A0050285		6.42	<0.5	<5	61	117	0.068	
A0050286		7.26	<0.5	<5	16	49	0.011	
A0050287		7.31	<0.5	<5	9	26	0.812	
A0050288		5.18	<0.5	6	7	54	0.056	
A0050289		6.81	<0.5	<5	7	45	0.099	
A0050290		9.22	<0.5	5	4	41	0.010	
A0050291		6.92	<0.5	<5	29	67	0.267	
A0050292		5.08	<0.5	<5	5	51	0.040	
A0050293		5.84	<0.5	<5	5	34	<0.005	
A0050294		5.14	<0.5	<5	6	111	<0.005	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 15-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168434

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050295		0.07	0.5	6180	50	68	6.65	7.34
A0050296		4.65	<0.5	5	3	149	<0.005	
A0050297		4.98	<0.5	6	9	306	0.012	
A0050298		3.98	<0.5	<5	12	115	0.140	
A0050299		5.21	<0.5	<5	3	58	0.008	
A0050300		14.67	<0.5	<5	17	71	0.164	
A0050301		9.63	<0.5	<5	17	33	0.173	
A0050302		10.69	<0.5	<5	30	59	0.012	
A0050303		14.69	<0.5	<5	27	60	0.035	
A0050304		10.52	<0.5	<5	18	34	0.162	
A0050305		6.16	<0.5	<5	30	106	<0.005	
A0050306		11.19	<0.5	<5	49	170	<0.005	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-JUL-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168434

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 21-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19168453

Project: Van Horne

This report is for 40 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 21-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168453

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050179		4.13	<0.5	<5	18	65	0.084	
A0050180		6.93	<0.5	<5	8	41	0.062	
A0050181		4.06	0.5	<5	45	59	0.018	
A0050182		3.84	<0.5	<5	11	57	0.022	
A0050183		5.34	<0.5	<5	10	62	0.005	
A0050184		5.35	<0.5	<5	9	39	<0.005	
A0050185		7.60	<0.5	<5	9	55	<0.005	
A0050186		7.63	<0.5	<5	28	48	<0.005	
A0050187		8.07	<0.5	<5	48	52	0.012	
A0050188		6.61	<0.5	<5	34	32	0.085	
A0050189		8.26	<0.5	<5	86	57	0.156	
A0050190		12.53	<0.5	<5	36	76	0.064	
A0050191		0.07	1.5	14	43	89	1.025	
A0050192		8.67	<0.5	<5	15	72	0.395	
A0050193		14.17	<0.5	<5	6	59	0.009	
A0050194		6.43	<0.5	<5	14	108	0.012	
A0050195		9.16	0.6	<5	7	299	<0.005	
A0050196		4.33	<0.5	<5	9	326	0.029	
A0050197		8.39	<0.5	<5	16	549	0.284	
A0050198		5.25	<0.5	<5	15	48	0.141	
A0050199		7.91	<0.5	8	22	37	0.185	
A0050200		9.24	<0.5	<5	19	43	<0.005	
A0050201		7.98	<0.5	<5	22	41	0.006	
A0050202		8.74	<0.5	<5	3	337	<0.005	
A0050203		4.49	<0.5	<5	12	208	<0.005	
A0050204		0.07	<0.5	<5	22	39	<0.005	
A0050205		6.34	<0.5	<5	16	166	0.043	
A0050206		5.33	1.9	<5	5	291	0.421	
A0050207		6.98	<0.5	<5	23	104	0.059	
A0050208		7.85	<0.5	<5	14	151	<0.005	
A0050209		8.78	<0.5	<5	22	141	0.151	
A0050210		8.45	<0.5	5	44	115	0.025	
A0050211		8.16	<0.5	<5	15	74	0.773	
A0050212		9.26	<0.5	<5	8	41	<0.005	
A0050213		6.84	<0.5	<5	40	49	<0.005	
A0050214		6.98	<0.5	<5	21	43	0.068	
A0050215		6.73	<0.5	<5	8	98	<0.005	
A0050216		5.46	<0.5	<5	36	39	<0.005	
A0050217		0.07	1.3	6340	53	72	6.15	6.03
A0050218		6.79	<0.5	6	27	40	<0.005	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-JUL-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168453

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 22-JUL-2019
Account: KECIBQJN

CERTIFICATE TB19168553

Project: Van Horne

This report is for 52 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG

KELSEY PRIVETT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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:

Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168553

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GR22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050307		6.16	<0.5	<5	22	128	0.007	
A0050308		0.07	1.4	16	42	92	1.040	
A0050309		5.83	<0.5	7	14	91	1.185	
A0050310		5.86	<0.5	<5	47	111	3.12	3.46
A0050311		5.29	<0.5	<5	77	145	0.530	
A0050312		5.50	<0.5	<5	86	135	0.499	
A0050313		5.36	0.6	6	66	72	3.87	4.47
A0050314		5.63	0.6	5	76	114	0.883	
A0050315		6.03	<0.5	<5	73	116	0.057	
A0050316		4.41	<0.5	9	90	101	0.809	
A0050317		4.32	0.5	18	52	96	1.415	
A0050318		6.32	1.0	6	81	141	3.20	1.54
A0050319		6.26	<0.5	<5	73	117	0.007	
A0050320		5.70	<0.5	6	32	116	0.030	
A0050321		0.07	<0.5	<5	20	34	0.005	
A0050322		3.98	0.7	<5	86	77	1.630	
A0050323		6.29	1.4	7	81	71	9.05	7.82
A0050324		8.06	0.5	<5	22	23	3.52	3.31
A0050325		6.36	<0.5	<5	67	95	0.112	
A0050326		6.38	<0.5	<5	77	109	0.013	
A0050327		5.70	<0.5	<5	77	161	0.007	
A0050328		5.63	<0.5	<5	80	110	0.017	
A0050329		4.15	<0.5	<5	97	98	0.075	
A0050330		3.76	0.8	10	104	60	3.30	3.37
A0050331		4.97	0.6	6	51	51	1.740	
A0050332		5.49	0.9	11	57	59	3.94	5.58
A0050333		5.76	<0.5	5	38	72	0.074	
A0050334		0.08	0.7	6070	49	69	6.70	NSS
A0050335		5.72	<0.5	16	51	91	0.745	
A0050336		5.91	<0.5	12	64	115	0.278	
A0050337		5.56	<0.5	7	54	146	0.011	
A0050338		6.03	0.5	12	74	114	0.530	
A0050339		8.99	<0.5	<5	5	99	0.025	
A0050340		6.91	0.5	<5	11	48	0.934	
A0050341		6.08	<0.5	<5	35	132	0.080	
A0050342		4.63	<0.5	18	21	226	0.021	
A0050343		6.37	0.6	14	14	168	0.241	
A0050344		6.79	<0.5	10	10	363	0.018	
A0050345		5.99	<0.5	14	8	175	0.239	
A0050346		6.78	1.3	82	94	681	3.05	2.81



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168553

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050347		0.09	1.5	14	40	87	1.070	
A0050348		6.33	1.2	92	61	979	0.112	
A0050349		4.86	<0.5	<5	127	234	0.008	
A0050350		5.44	0.5	5	88	238	0.032	
A0050351		4.65	<0.5	<5	22	83	0.747	
A0050352		4.96	<0.5	<5	6	69	0.194	
A0050353		5.91	<0.5	<5	16	190	0.298	
A0050354		6.78	2.5	199	143	1375	2.26	
A0050355		7.16	0.6	18	28	447	7.01	6.41
A0050356		0.08	<0.5	<5	20	37	<0.005	
A0050357		5.81	<0.5	<5	13	191	0.208	
A0050358		5.48	<0.5	<5	26	205	0.015	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 22-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19168553

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61					
Au-AA24	Au-GRA22	ME-ICP61							



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-JUL-2019
 Account: KECIBQJN

CERTIFICATE TB19169733

Project: Van Horne

This report is for 42 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19169733

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050601		6.37	0.5	<5	56	106	0.128	
A0050602		3.36	<0.5	14	13	35	2.39	
A0050603		3.86	<0.5	18	13	35	5.44	3.83
A0050604		3.97	0.9	6	62	96	0.313	
A0050605		5.78	<0.5	<5	56	86	0.920	
A0050606		6.91	<0.5	<5	95	121	0.013	
A0050607		5.98	<0.5	<5	78	90	0.006	
A0050608		4.00	<0.5	7	15	55	0.414	
A0050609		3.48	<0.5	11	22	73	0.395	
A0050610		5.71	<0.5	7	74	77	0.024	
A0050611		7.86	<0.5	<5	67	156	<0.005	
A0050612		5.54	0.6	7	50	87	2.03	
A0050613		0.07	1.2	14	41	91	1.090	
A0050614		3.89	<0.5	<5	53	87	0.242	
A0050615		8.44	0.8	10	24	72	1.675	
A0050616		8.33	<0.5	<5	28	77	0.268	
A0050617		7.90	<0.5	14	23	71	1.905	
A0050618		4.76	<0.5	<5	28	74	0.171	
A0050619		7.12	1.0	<5	394	111	0.016	
A0050620		6.91	<0.5	<5	38	116	0.030	
A0050621		3.48	1.4	5	21	46	3.61	3.19
A0050622		6.87	<0.5	<5	56	175	0.010	
A0050623		5.30	<0.5	<5	26	83	0.017	
A0050624		7.06	<0.5	7	36	70	0.222	
A0050625		3.48	<0.5	13	22	39	1.805	
A0050626		0.07	<0.5	5	21	37	<0.005	
A0050627		5.32	<0.5	<5	35	116	0.009	
A0050628		8.11	<0.5	<5	35	93	0.098	
A0050629		6.38	<0.5	<5	26	130	<0.005	
A0050630		7.88	<0.5	<5	40	95	0.014	
A0050631		7.19	<0.5	<5	55	121	0.041	
A0050632		7.85	<0.5	<5	46	116	0.349	
A0050633		7.53	<0.5	7	69	69	0.748	
A0050634		5.63	0.6	15	27	86	2.83	
A0050635		5.60	<0.5	<5	65	97	0.395	
A0050636		4.97	<0.5	<5	84	129	0.011	
A0050637		4.44	<0.5	<5	54	86	0.031	
A0050638		6.21	<0.5	7	34	116	0.113	
A0050639		0.07	0.8	6410	50	71	6.70	6.19
A0050640		6.34	0.5	6	16	41	1.910	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-JUL-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19169733

		WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
Sample Description	Method Analyte Units LOD	Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050641		5.41	<0.5	<5	40	82	0.420	
A0050642		6.66	<0.5	<5	36	98	0.011	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-JUL-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19169733

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 1-AUG-2019
 Account: KECIBQJN

CERTIFICATE TB19172568

Project: Van Horne

This report is for 55 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 15-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 1-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19172568

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Ag ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	1	0.005	0.05
A0050359		5.15	<0.5	<5	14	103		0.130	
A0050360		0.07	>100	242	4770	4000	99	>10.0	25.8
A0050361		5.32	<0.5	<5	11	68		0.376	
A0050362		3.76	<0.5	7	15	128		0.166	
A0050363		4.82	<0.5	<5	15	104		0.016	
A0050364		4.43	<0.5	5	11	97		0.370	
A0050365		4.64	0.5	9	8	79		0.895	
A0050366		6.27	<0.5	<5	7	81		1.525	
A0050367		5.99	<0.5	5	12	77		0.548	
A0050368		4.50	<0.5	<5	12	71		0.355	
A0050369		6.28	0.6	<5	14	139		0.179	
A0050370		5.30	<0.5	6	35	165		0.029	
A0050371		6.01	<0.5	<5	33	141		<0.005	
A0050372		4.73	<0.5	5	31	101		0.217	
A0050373		0.07	0.5	6210	52	70		7.05	7.60
A0050374		4.90	<0.5	15	38	53		0.575	
A0050375		4.55	0.8	9	72	95		>10.0	17.45
A0050376		5.33	<0.5	<5	79	131		0.009	
A0050643		12.08	<0.5	<5	45	146		0.024	
A0050644		13.41	<0.5	<5	54	121		<0.005	
A0050645		10.88	<0.5	<5	32	114		0.006	
A0050646		9.21	<0.5	<5	77	118		<0.005	
A0050647		7.14	<0.5	<5	54	90		0.011	
A0050648		9.25	<0.5	<5	75	112		0.006	
A0050649		9.43	<0.5	<5	44	119		<0.005	
A0050650		7.86	<0.5	<5	70	106		0.177	
A0050651		9.91	<0.5	<5	77	106		<0.005	
A0050652		0.07	1.4	15	43	91		1.155	
A0050653		9.54	<0.5	8	125	95		0.012	
A0050654		10.67	<0.5	<5	68	65		0.426	
A0050655		12.28	<0.5	<5	117	80		0.096	
A0050656		15.10	<0.5	8	19	44		1.740	
A0050657		11.37	<0.5	<5	40	107		0.008	
A0050658		11.61	<0.5	5	70	85		0.021	
A0050659		14.70	<0.5	<5	96	106		0.012	
A0050660		5.17	<0.5	8	63	108		0.474	
A0050661		5.06	0.8	18	100	69		3.50	3.43
A0050662		6.21	<0.5	9	25	67		0.301	
A0050663		6.77	<0.5	<5	52	99		0.036	
A0050664		4.73	<0.5	8	20	72		0.280	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 1-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19172568

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Ag-OG62 Ag ppm	Au-AA24 Au ppm	Au-GR22 Au ppm
		0.02	0.5	5	1	2	1	0.005	0.05
A0050665		0.07	<0.5	<5	22	35		0.006	
A0050666		3.79	<0.5	8	14	50		0.318	
A0050667		4.70	<0.5	23	20	58		1.040	
A0050668		5.36	<0.5	5	63	125		0.021	
A0050669		6.25	<0.5	<5	63	135		0.022	
A0050670		5.92	<0.5	<5	73	136		0.018	
A0050671		7.50	<0.5	<5	36	66		0.128	
A0050672		6.88	<0.5	<5	75	121		0.026	
A0050673		9.42	<0.5	6	77	127		0.058	
A0050674		8.06	<0.5	28	65	96		3.52	5.80
A0050675		8.92	<0.5	21	41	100		0.242	
A0050676		8.47	<0.5	15	75	110		0.463	
A0050677		7.98	<0.5	5	66	108		0.051	
A0050678		0.07	1.2	6120	47	64		6.63	6.91
A0050512		1.49	<0.5	10	3	32		0.508	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 1-AUG-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19172568

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Ag-OG62	Au-AA24	Au-GRA22
	ME-OG62		ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 11-AUG-2019
Account: KECIBQJN

CERTIFICATE TB19181119

Project: Van Horne

This report is for 72 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 24-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 11-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19181119

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Ag-OG62	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Ag ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	1	0.005	0.05
A0050679		4.02	<0.5	<5	9	35		0.039	
A0050680		6.27	<0.5	<5	14	47		0.086	
A0050681		5.98	<0.5	<5	5	89		0.039	
A0050682		4.11	<0.5	<5	16	47		0.159	
A0050683		4.14	<0.5	<5	15	42		<0.005	
A0050684		4.52	<0.5	<5	4	28		0.189	
A0050685		4.35	<0.5	<5	7	31		0.278	
A0050686		6.16	<0.5	<5	9	64		0.259	
A0050687		6.47	<0.5	<5	15	65		0.251	
A0050688		6.78	<0.5	<5	3	31		0.005	
A0050689		6.35	<0.5	<5	5	30		0.168	
A0050690		5.49	<0.5	<5	6	58		0.043	
A0050691		0.07	1.4	16	42	92		1.095	
A0050692		6.31	<0.5	<5	4	26		0.099	
A0050693		6.25	<0.5	<5	8	29		0.542	
A0050694		4.90	<0.5	<5	8	25		0.766	
A0050695		5.47	<0.5	<5	13	63		0.239	
A0050696		5.24	<0.5	<5	5	72		0.242	
A0050697		4.73	<0.5	<5	12	41		0.842	
A0050698		5.52	<0.5	<5	7	23		0.314	
A0050699		6.83	<0.5	<5	6	37		0.447	
A0050700		4.98	<0.5	<5	15	74		0.582	
A0050701		5.40	<0.5	<5	92	97		0.348	
A0050702		5.49	<0.5	<5	30	82		1.840	
A0050703		4.63	<0.5	<5	7	60		0.243	
A0050704		0.07	<0.5	<5	21	36		<0.005	
A0050705		3.98	<0.5	<5	11	82		1.350	
A0050706		4.16	<0.5	<5	6	85		0.005	
A0050707		4.74	<0.5	<5	11	75		0.018	
A0050708		5.60	<0.5	17	5	21		3.05	1.74
A0050709		6.22	<0.5	6	8	31		0.293	
A0050710		7.58	<0.5	<5	24	61		1.110	
A0050711		6.26	<0.5	<5	21	40		0.450	
A0050712		4.99	<0.5	<5	43	81		0.015	
A0050713		6.40	<0.5	<5	17	71		0.674	
A0050714		5.62	<0.5	<5	7	88		0.586	
A0050715		6.21	<0.5	<5	15	66		0.948	
A0050716		8.52	0.5	5	15	69		1.540	
A0050717		0.07	1.3	6520	51	72		6.66	6.20
A0050718		5.87	0.8	9	8	51		2.71	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 11-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19181119

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Ag-OG62 Ag ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	1	0.005	0.05
A0050719		5.62	<0.5	<5	5	41		0.119	
A0050720		6.49	<0.5	<5	6	128		0.717	
A0050721		9.10	<0.5	<5	13	167		0.069	
A0050722		9.06	<0.5	<5	12	149		0.135	
A0050723		8.33	<0.5	<5	10	99		<0.005	
A0050724		3.07	<0.5	<5	12	82		0.291	
A0050725		5.42	<0.5	<5	12	92		1.715	
A0050727		0.07	<0.5	<5	20	34		<0.005	
A0050728		5.58	<0.5	<5	14	76		0.909	
A0050729		5.85	<0.5	<5	5	122		0.020	
A0050730		0.07	>100	234	4450	3770	97	>10.0	24.1
A0050731		8.12	<0.5	<5	7	78		0.053	
A0050732		7.37	<0.5	<5	8	207		0.414	
A0050733		11.58	<0.5	<5	4	48		0.010	
A0050734		6.49	<0.5	<5	4	89		0.045	
A0050735		8.35	<0.5	<5	10	73		0.009	
A0050736		7.15	<0.5	<5	10	97		0.231	
A0050737		4.69	<0.5	5	10	130		0.404	
A0050738		8.04	<0.5	<5	8	69		0.009	
A0050739		5.16	<0.5	<5	4	126		1.265	
A0050740		4.87	<0.5	<5	4	37		0.014	
A0050741		6.49	<0.5	<5	9	52		<0.005	
A0050742		6.51	<0.5	<5	16	85		0.005	
A0050743		0.07	<0.5	6	21	34		<0.005	
A0050744		6.87	<0.5	<5	7	79		<0.005	
A0050745		6.46	<0.5	<5	2	76		<0.005	
A0050045		2.90	<0.5	<5	8	56		0.005	
A0050046		1.78	<0.5	<5	26	64		0.042	
A0050047		1.61	<0.5	<5	6	34		0.356	
A0050048		1.81	1.7	<5	3	20		0.550	
A0051012		0.75	<0.5	<5	3	15		<0.005	
A0051013		1.41	<0.5	<5	10	15		0.021	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 11-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19181119

	CERTIFICATE COMMENTS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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: 33%;">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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Ag-OG62</td> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> </tr> <tr> <td>ME-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Ag-OG62	Au-AA24	Au-GRA22	ME-ICP61	ME-OG62			
Ag-OG62	Au-AA24	Au-GRA22	ME-ICP61						
ME-OG62									



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
Total # Pages: 2 (A)
Plus Appendix Pages
Finalized Date: 6-AUG-2019
Account: KECIBQJN

CERTIFICATE TB19181129

Project: Van Horne

This report is for 1 Rock sample submitted to our lab in Thunder Bay, ON, Canada on 24-JUL-2019.

The following have access to data associated with this certificate:

GRAHAM LONG

KELSEY PRIVETT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-21	Screen 1kg to 106 to 106um
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus 50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	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:

Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 6-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19181129

Sample Description	Method	WEI-21	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
	Analyte	Recvd Wt.	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au	
	Units	kg	ppm	ppm	ppm	mg	g	g	ppm	ppm	
	LOD	0.02	0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01	
A0050726		4.47	24.6	328	12.50	13.227	40.37	1010.0	11.70	13.25	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 6-AUG-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19181129

CERTIFICATE COMMENTS	
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada CRU-31 LOG-21 PUL-32 SCR-21 SPL-21 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA26 Au-AA26D Au-SCR24



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 4 (A)
 Plus Appendix Pages
 Finalized Date: 10-SEP-2019
 Account: KECIBQJN

CERTIFICATE TB19198681

Project: Van Horne

This report is for 95 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 12-AUG-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 4 (A)
 Plus Appendix Pages
 Finalized Date: 10-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19198681

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050746		4.48	<0.5	8	78	102	<0.005	
A0050747		5.45	<0.5	9	39	103	0.005	
A0050748		6.31	<0.5	13	76	107	0.005	
A0050749		12.94	<0.5	6	69	114	0.064	
A0050750		10.94	<0.5	5	57	110	0.263	
A0050751		11.16	<0.5	<5	77	106	0.501	
A0050752		10.55	<0.5	6	77	101	3.28	3.85
A0050753		5.85	<0.5	<5	84	117	0.161	
A0050754		4.91	<0.5	<5	66	115	0.005	
A0050755		6.41	<0.5	6	69	108	0.122	
A0050756		0.07	0.7	5930	47	63	6.08	NSS
A0050757		12.35	<0.5	11	82	113	0.017	
A0050758		5.34	<0.5	<5	68	132	0.010	
A0050759		4.55	<0.5	<5	61	120	0.233	
A0050760		10.19	<0.5	6	75	134	0.006	
A0050761		4.29	<0.5	8	65	122	0.134	
A0050762		5.65	<0.5	5	70	119	0.046	
A0050763		10.53	<0.5	5	85	135	0.022	
A0050764		4.42	<0.5	7	58	91	0.059	
A0050765		8.68	<0.5	5	68	120	0.005	
A0050766		5.30	<0.5	<5	59	112	0.017	
A0050767		10.33	<0.5	7	70	123	0.007	
A0050768		7.21	<0.5	8	65	115	1.010	
A0050769		0.07	1.4	21	39	84	1.055	
A0050770		5.72	<0.5	7	69	149	0.219	
A0050771		5.32	<0.5	5	71	107	0.015	
A0050772		3.95	<0.5	6	69	128	0.125	
A0050773		8.54	<0.5	<5	78	115	0.013	
A0050774		6.50	0.8	27	77	183	3.73	3.36
A0050775		5.76	0.6	7	80	155	1.355	
A0050776		5.91	<0.5	6	77	106	0.017	
A0050777		5.59	<0.5	6	75	115	<0.005	
A0050778		5.52	<0.5	<5	57	124	<0.005	
A0050779		6.06	<0.5	<5	92	121	<0.005	
A0050780		2.93	<0.5	<5	63	172	1.285	
A0050781		3.66	<0.5	<5	68	142	0.065	
A0050782		0.07	<0.5	<5	20	34	<0.005	
A0050783		2.87	<0.5	<5	69	171	0.104	
A0050784		3.43	<0.5	8	48	36	2.28	
A0050785		4.67	<0.5	<5	83	116	0.113	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 4 (A)
 Plus Appendix Pages
 Finalized Date: 10-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19198681

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0050786		3.99	<0.5	5	71	113	<0.005	
A0050787		5.23	<0.5	5	75	112	<0.005	
A0050788		5.11	<0.5	9	29	196	0.005	
A0050789		4.73	<0.5	12	34	226	<0.005	
A0050790		4.34	<0.5	8	36	262	0.009	
A0050791		4.82	<0.5	7	40	209	0.016	
A0050792		3.48	<0.5	6	41	276	0.101	
A0050793		5.07	6.7	132	96	2840	3.14	3.95
A0050794		4.73	<0.5	22	30	757	0.051	
A0050795		0.07	0.8	6420	54	72	6.23	6.17
A0050796		4.74	<0.5	8	20	492	0.033	
A0050797		4.25	1.2	107	119	817	1.540	
A0050798		5.39	0.6	31	28	416	0.362	
A0050799		10.64	<0.5	7	15	245	0.011	
A0050800		5.43	<0.5	6	28	176	0.101	
A0050801		4.84	<0.5	<5	44	168	0.201	
A0050802		3.51	<0.5	<5	36	239	0.276	
A0050803		3.97	<0.5	5	16	158	0.211	
A0050804		4.31	<0.5	5	39	166	0.450	
A0050805		2.96	<0.5	<5	20	87	1.960	
A0050806		3.61	0.6	6	20	155	1.535	
A0050807		8.93	<0.5	5	18	214	0.012	
A0050808		0.07	1.0	14	41	82	0.952	
A0050809		4.26	<0.5	8	16	215	<0.005	
A0050810		3.99	<0.5	114	28	962	0.147	
A0050811		5.54	<0.5	24	57	542	0.098	
A0050812		5.41	<0.5	9	25	319	0.518	
A0050813		5.39	<0.5	16	36	223	1.570	
A0050814		4.92	<0.5	9	46	197	0.019	
A0050815		4.80	0.5	14	35	1160	0.505	
A0050816		5.17	5.7	30	180	1265	0.460	
A0050817		4.93	0.5	13	16	331	5.34	5.44
A0050818		3.42	<0.5	8	48	302	0.012	
A0050819		4.31	<0.5	10	20	181	0.010	
A0050820		3.83	<0.5	10	16	154	0.006	
A0050821		0.07	<0.5	<5	20	34	<0.005	
A0050822		5.75	<0.5	8	13	126	<0.005	
A0050823		3.26	<0.5	6	19	148	0.005	
A0050824		4.16	<0.5	10	19	154	0.005	
A0050825		6.10	<0.5	21	5	129	0.666	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 4 - A
 Total # Pages: 4 (A)
 Plus Appendix Pages
 Finalized Date: 10-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19198681

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm
A0050826		7.94	<0.5	31	6	117	1.370	
A0050827		4.92	<0.5	13	7	81	0.056	
A0050828		5.20	<0.5	<5	32	89	0.011	
A0050829		5.97	<0.5	6	26	87	0.786	
A0050830		6.12	<0.5	5	24	78	1.930	
A0050831		4.44	<0.5	<5	24	86	0.018	
A0050832		4.17	<0.5	<5	34	99	0.110	
A0050833		3.03	<0.5	<5	13	103	0.046	
A0050834		0.07	0.9	5880	48	68	6.00	NSS
A0050835		3.91	<0.5	6	31	108	0.015	
A0050836		5.22	<0.5	<5	51	88	0.011	
A0051014		1.18	<0.5	<5	7	24	<0.005	
A0051015		0.92	<0.5	<5	5	133	<0.005	
A0051016		1.87	<0.5	<5	5	74	<0.005	
A0051017		1.39	<0.5	<5	8	25	<0.005	

***** 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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10-SEP-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19198681

CERTIFICATE COMMENTS												
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21	Au-AA24	Au-GRA22	ME-ICP61
CRU-31	CRU-QC	LOG-21	LOG-23									
PUL-31	PUL-QC	SPL-21	WEI-21									
Au-AA24	Au-GRA22	ME-ICP61										

Appendix J: Geological Drill Logs

Project: Van Horne **Hole Number:** VH19-001

Drill Hole		Drilling		Coordinates			
Prospect:	VH-BONANZA	Operator:	KGC EXPLORATION	Start Date:	Aug-08-2019	Survey Method:	HANDHELD GPS
Year:	2019	Geologist:	PERCY CLARK	End Date:	Aug-12-2019	Grid:	NAD83 / UTM zone 15N
Hole Size:	NQ	Casing Depth:	1.5	Drill Company:	Distinctive Drilling	Easting:	508,819
Orient:	ACT III	EOH:	177			Northing:	5,507,595
Hole Status:	COMPLETE	Logged Depth:	177			Elevation:	387

Comments: Intervals 138-141 and 141-144 lost core. No orientation line at intervals 0-32, 36-39, 42-45, 54-57, 60-63, 63-66, 78-81, 90-93, 105-108, 111-113.2, 114-117, 117-120, 120-123, 123-126, 126-129, 129-132, 132-135, 135-138, 138-141, 141-144, 144-147, 147-150 m.

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
------	----	-----------	---------	------------	--------	------	----	--------	----	----	----	----	----	--------

Project: Van Horne

Hole Number: VH19-001

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0.83	32.12	MV, MAFIC VOLCANIC	FOLIATED	FINE	GREY	0.82	2.0	1.18	0.0025	2.5	0.25	18	32	A0051502
fine grained, grey, inconsistent alteration and deformation, foliated and blocky, likely mafic in composition (possibly intermediate but likely appearing intermediate due to silica alteration)						2.0	3.0	1	0.0025	2.5	0.25	9	25	A0051503
Unit displays moderate pervasive sil alteration and areas of strong silica alteration accompanied with potassic alt resulting in a red colour (3.85-5.35m, 8-10m, 28.36-28.65m)						3.0	4.0	1	0.0025	2.5	0.25	12	28	A0051504
Strongly deformed area of unit (5.35-8) displaying strong foliation with a high abundance of foliation-parallel carb veinlets and occasional qtz-carb blowouts. Two qtz veins with similar mineralogy (qtz-carb-ser-chl) observed at the end of deformed zone (7.48-7.59m, 7.70-7.78m).						4.0	5.0	1	0.0025	2.5	0.25	9	24	A0051505
<1cm Py stringer/lens seen at 13.55 with vuggy irregular carb veinlets proximal.						5.0	5.82	0.82	0.0025	2.5	0.25	22	81	A0051506
Deformation and sericite alteration intensify starting at 18.30m and continue until the end of the mafic volcanics (32.13m). In this ser-deformation zone occasional 1cm wide vuggy qtz-carb veins are seen as well as irregular carb veinlets. Ser alteration intensifying to very strong and occurring with moderate epidote alteration						5.82	6.5	0.68	0.0025	2.5	0.25	65	125	A0051507
(27.26-27.56m) this area displays a very light green colour. Possible fault gauge (29.10-29.15m) material consists of clay and gravel sized material. Five cm wide qtz-carb-tor vein with strong altered ser on margins, trace py in vein margins and proximal host rock.						6.5	7.39	0.89	0.996	2.5	0.25	33	110	A0051508
Foliation is consistent but varying in intensity depending on the alteration and deformation that is occurring. Lower contact of unit is gravitational.						7.39	8.0	0.61	5.59	5	0.9	48	83	A0051509
						8.0	9.0	1	0.137	2.5	0.25	20	31	A0051510
						9.0	10.0	1	0.0025	2.5	0.25	16	22	A0051511
						10.0	11.0	1	0.0025	2.5	0.25	19	46	A0051512
						11.0	12.0	1	0.0025	2.5	0.25	11	43	A0051513
						12.0	13.0	1	0.0025	2.5	0.25	7	56	A0051515
						13.0	14.0	1	0.0025	2.5	0.25	9	59	A0051516
						14.0	15.0	1	0.0025	2.5	0.25	6	49	A0051517
						15.0	16.0	1	0.0025	2.5	0.25	22	53	A0051518
						16.0	17.0	1	0.0025	2.5	0.25	10	42	A0051519
						17.0	18.0	1	0.0025	2.5	0.25	46	37	A0051520
						18.0	19.0	1	0.0025	2.5	0.25	17	43	A0051521
						19.0	20.0	1	0.0025	2.5	0.25	8	42	A0051522
						20.0	20.5	0.5	0.007	2.5	0.25	23	55	A0051523
						20.5	21.0	0.5	0.0025	2.5	0.25	26	31	A0051524
						21.0	22.0	1	0.016	2.5	0.25	49	83	A0051525
						22.0	23.0	1	0.0025	2.5	0.25	12	60	A0051526
						23.0	24.0	1	0.0025	5	0.25	9	44	A0051528
						24.0	25.0	1	0.0025	2.5	0.25	19	88	A0051529
						25.0	26.0	1	0.0025	2.5	0.25	20	38	A0051530
						26.0	27.0	1	0.0025	2.5	0.25	6	21	A0051531
						27.0	28.0	1	0.0025	2.5	0.25	25	69	A0051532
						28.0	29.0	1	0.0025	2.5	0.25	9	30	A0051533
						29.0	30.0	1	0.005	2.5	0.25	26	32	A0051534

Project: Van Horne

Hole Number: VH19-001

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						30.0	31.0	1	0.0025	2.5	0.25	8	39	A0051535
						31.0	32.13	1.13	0.0025	2.5	0.25	25	40	A0051536
32.12	52.67	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	VERY FINE	GREEN-GREY	31.0	32.13	1.13	0.0025	2.5	0.25	25	40	A0051536
		int. volcanoclastic, polymictic, grey, consistent foliation, fine grained to coarse grained elongate and irregular clasts with aphanitic ground mass, clasts are altered and of intermediate to mafic composition.				32.13	33.0	0.87	0.006	5	0.25	46	89	A0051537
		moderate ser alteration near bottom end of unit starting at 48.92 and increasing to strong at 49.68.				33.0	34.0	1	0.386	5	0.25	41	144	A0051538
		8cm thick qtz-carb-chl vein with host rock inclusions in vein occurring 33.60. occasional 1cm qtz-chl-carb veins all with similar alpha angle.				34.0	35.0	1	0.005	2.5	0.25	30	100	A0051539
		mafic intrusions occurring at 41.51 and 42.27 both 8cm in width and high magnetic.				35.0	36.0	1	0.0025	2.5	0.25	50	84	A0051541
		gradational upper contact and sharp lower contact				36.0	37.0	1	0.0025	2.5	0.25	39	86	A0051542
						37.0	38.0	1	0.0025	2.5	0.25	38	84	A0051543
						38.0	39.0	1	0.0025	2.5	0.25	30	89	A0051544
						39.0	40.0	1	0.0025	2.5	0.25	33	85	A0051545
						40.0	41.0	1	0.0025	2.5	0.25	13	94	A0051546
						41.0	42.0	1	0.0025	2.5	0.25	21	89	A0051547
						42.0	43.0	1	0.0025	2.5	0.25	31	107	A0051548
						43.0	44.0	1	0.0025	2.5	0.25	74	99	A0051549
						44.0	45.0	1	0.0025	2.5	0.25	13	101	A0051550
						45.0	46.0	1	0.0025	2.5	0.25	8	88	A0051551
						46.0	47.0	1	0.0025	2.5	0.25	17	114	A0051552
						47.0	48.0	1	0.0025	2.5	0.25	46	92	A0051554
						48.0	48.92	0.92	0.0025	2.5	0.25	45	91	A0051555
						48.92	49.68	0.76	0.0025	2.5	0.25	47	87	A0051556
						49.68	51.0	1.32	0.0025	2.5	0.25	71	82	A0051557
						51.0	52.0	1	0.012	6	0.25	33	83	A0051558
						52.0	52.67	0.67	0.0025	2.5	0.25	5	96	A0051559
52.67	59.55	MV, MAFIC VOLCANIC	FOLIATED	VERY FINE	BLACK	58.0	59.0	1	0.0025	2.5	0.25	22	60	A0051564
		mafic volcanics, black, very fine grained-aphanitic with regularly occurring qtz crack-seal veins and an abundance of qtz eyes.												
		Unit displays weak foliation throughout, foliation defined by aligned-elongate qtz eyes, more pronounced in areas of increased alteration and increase abundance of qtz eyes.												
		Unit gives pervasive strong magnetic readings												

Project: Van Horne							Hole Number: VH19-001								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample	
59.55	60.89	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREEN-GREY	60.0	60.5	0.5	0.0025	2.5	0.25	51	115	A0051565	
<p>mafic-intermediate intrusive, grey-green fine grained pervasive magnetics</p> <p>Strong upper and lower contacts which gives the appearance of an intrusion. Irregular carb-qtz veins, 1>% pervasive py</p>															
60.89	65.2	MVCL, MAFIC VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	60.89	62.0	1.11	0.0025	2.5	0.25	15	96	A0051560	
<p>Mafic unit made up of aphanitic groundmass with high abundance of qtz eyes (clasts) that have been deformed and elongated which give validity to the determination that this unit is volcaniclastic. Deformation increasing near end of the unit starting at 64.10. Unit sampled due to deformation displayed. Pervasive weak chl alteration, moderate carb alteration along foliation more visible in areas with higher abundance of clasts/qtz eyes but reacted more to acid in fine grained/aphanitic zones.</p>															
						62.0	63.0	1	0.0025	2.5	0.25	40	96	A0051561	
						63.0	64.0	1	0.0025	2.5	0.25	68	96	A0051562	
						64.0	65.2	1.2	0.0025	2.5	0.25	23	100	A0051563	
65.2	76.05	MV, MAFIC VOLCANIC	MASSIVE	FINE	BLACK	66.0	67.0	1	0.0025	2.5	0.25	35	82	A0051567	
<p>Mafic volcanics, fine grained-aphanitic, black with white qtz eyes.</p> <p>Unit has 5 % of irregular-angular 1cm fracture-fill qtz-carb veins that are occasionally discontinuous. Occasional carb-qtz blowouts. Pervasive strong magnetics through unit. Occasional 10cm zone of moderate ser-chl alteration likely associated with fractures.</p>															
76.05	77.62	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	VERY FINE	GREEN-GREY										
<p>Intermediate volcaniclastic, polymictic, lipilli tuff protolith, consistent well defined foliation, irregular upper contact with mafic volcanics and sharp lower contact with possible intermediate intrusion.</p> <p>foliation defined by elongated clasts, clasts are variety of sizes and some are carb altered.</p> <p>Unit's green colour likely due to weak pervasive chlorite alteration</p>															
77.62	79.27	ID, INTERMEDIATE DYKE	MASSIVE	FINE	GREY	78.0	78.5	0.5	0.0025	2.5	0.25	45	95	A0051568	
<p>fine grained, sharp upper and lower contacts, intermediate in composition</p> <p>2 0.5 cm qtz-carb veins in unit, and larger 2cm qtz-carb-chl vein on lower contact. similar in appearance to unit seen earlier in hole (mafic intrusive at 59.55) this unit lacks same alteration and this unit is not magnetic.</p>															

Project: Van Horne

Hole Number: VH19-001

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
79.27	101.4	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	MEDIUM	GREEN-GREY	79.27	80.0	0.73	0.0025	2.5	0.25	69	96	A0051569
		green-grey colour, fine grained matrix large clasts (lapilli stone protolith), little to no veining in unit, foliation and alteration consistent,				80.0	81.0	1	0.0025	2.5	0.25	47	105	A0051570
		unit has 1>% py disseminated throughout unit (increasing to 1% in some areas) occasionally blebby (81.95m) . Mineralization occurring in qtz clasts (99.5m) and along foliation planes.				81.0	82.0	1	0.0025	7	0.25	74	98	A0051571
						82.0	83.0	1	0.0025	2.5	0.25	40	99	A0051572
		Clasts predominantly felsic in composition (appearance could be due to alteration), with 20% of clasts being qtz, lower % of clasts display a red colour which could be plag clasts (84.5)				83.0	84.0	1	0.0025	2.5	0.25	38	95	A0051573
						84.0	85.0	1	0.0025	2.5	0.25	46	96	A0051574
						85.0	86.0	1	0.0025	5	0.25	44	92	A0051575
						86.0	87.0	1	0.0025	2.5	0.25	50	93	A0051576
						87.0	88.0	1	0.0025	2.5	0.25	66	84	A0051577
						88.0	89.0	1	0.0025	2.5	0.25	44	90	A0051579
						89.0	90.0	1	0.0025	2.5	0.25	51	87	A0051580
						90.0	91.0	1	0.0025	2.5	0.25	56	92	A0051581
						91.0	92.0	1	0.0025	2.5	0.25	58	86	A0051582
						92.0	93.0	1	0.0025	2.5	0.25	41	96	A0051583
						93.0	94.0	1	0.0025	2.5	0.25	40	92	A0051584
						94.0	95.0	1	0.0025	2.5	0.25	51	92	A0051585
						95.0	96.0	1	0.0025	2.5	0.25	43	85	A0051586
						96.0	97.0	1	0.0025	2.5	0.25	54	84	A0051587
						97.0	98.0	1	0.0025	2.5	0.25	55	85	A0051588
						98.0	99.0	1	0.0025	2.5	0.25	40	82	A0051589
						99.0	100.0	1	0.0025	2.5	0.25	103	90	A0051590
						100.0	101.4	1.4	0.0025	2.5	0.25	63	105	A0051591
101.4	104.5	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREY	101.4	102.0	0.6	0.0025	2.5	0.25	47	161	A0051592
		very fine grained-aphanitic, dark grey-black, possibly intrusive but undulous lower contact led to a volcanic classification, unit is strongly magnetic and has a high abundance of crack-seal qtz-carb veining.				102.0	103.0	1	0.0025	2.5	0.25	39	183	A0051593
		Unit has pyrite mineralization occurring in multiple ways; in veins, disseminated and blebby. Totalling <1% Py				103.0	104.0	1	0.0025	2.5	0.25	39	174	A0051594
		Unit displays pervasive weak Sil alteration, possibly related to all of the irregular veins, veining making up 8% of unit. Most veins are qtz-carb but contain chl and py occasionally (102.3) This Sil alteration makes distinguishing grain size challenging - likely fine grained but appearing aphanitic.				104.0	104.5	0.5	0.0025	2.5	0.25	62	145	A0051595

Project: Van Horne							Hole Number: VH19-001							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
104.5	107.4	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	LIGHT GREY	104.5	105.0	0.5	0.0025	2.5	0.25	32	121	A0051596
fine grained, foliated, weak pervasive carb alt, light gray, polymictic, likely lapilli stone protolith. <1% py disseminated through unit increasing near qtz vein (106.73)						105.0	106.0	1	0.0025	2.5	0.25	44	114	A0051597
unit has clasts that have potassic-carb alteration. low % of irregular qtz-carb veinlets. Areas of vuggys (possibly relict/alt chl veins) around 106.50)						106.0	107.4	1.4	0.098	2.5	0.25	54	97	A0051598
2cm qtz vein at 106.73 that has very strong carb-chl alteration halo (1cm) with 2% py along margins and in this halo.														
107.4	116.45	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREY	107.4	108.0	0.6	0.0025	2.5	0.25	57	123	A0051599
fine grained, grey, high mag signature, very weak pervasive chl-ser alteration with fracture-fill carb alteration weak, 1% disseminated/blebby py						108.0	109.0	1	0.0025	2.5	0.25	52	135	A0051600
Unit could possibly be mafic in composition and only appears intermediate due to chl-ser and carb alteration. grain size increasing near lower contact.						109.0	110.0	1	0.0025	2.5	0.25	54	131	A0051601
4% qtz-carb veins in unit, 95% of which are irregular and crosscutting, most around 0.5-1cm in width. Notable 18cm qtz vein at 111.84m with weak ankerite alt near contacts in host rock. Occasional vuggy qtz-carb vein 114.6m.						111.0	111.5	0.5	0.0025	2.5	0.25	50	139	A0051603
Cubic pyrite observed as well as finer grained disseminated pyrite. Occasionally occurring along foliation planes with carb alteration (111.05m)						111.5	112.15	0.65	0.0025	2.5	0.25	30	108	A0051604
						112.15	113.0	0.85	0.0025	7	0.25	48	131	A0051606
						113.0	114.0	1	0.0025	2.5	0.25	36	104	A0051607
						114.0	115.0	1	0.0025	2.5	0.25	48	134	A0051608
						115.0	116.45	1.45	0.0025	2.5	0.25	55	135	A0051609
116.45	124.8	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREY	116.45	118.0	1.55	0.0025	2.5	0.25	34	90	A0051610
fine grained, intermediate volcaniclastic, strongly foliated, with tr disseminated py throughout increasing to 1% in localised areas (123-124).						118.0	119.0	1	0.0025	2.5	0.25	59	99	A0051611
Foliation defined by elongated clasts, these clasts are all of similar/same composition, possible lapilli tuff protolith. Clasts experience moderate carb alteration. Unit has large intermediate section (122.08-122.59). This section could be large clast or more likely is a mafic inclusion from the unit below or above.						119.0	120.0	1	0.0025	2.5	0.25	87	103	A0051612
						120.0	121.0	1	0.0025	2.5	0.25	91	103	A0051613
						121.0	122.08	1.08	0.0025	2.5	0.25	73	99	A0051614
						122.08	122.59	0.51	0.0025	2.5	0.25	43	73	A0051615
						122.59	124.0	1.41	0.0025	2.5	0.25	86	108	A0051616
						124.0	124.8	0.8	0.0025	2.5	0.25	65	127	A0051617

Project: Van Horne	Hole Number: VH19-001
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
124.8	130.02	IV, INTERMEDIATE VOLCANIC	BLEACHED	VERY FINE	LIGHT GREY	124.8	126.0	1.2	1.305	2.5	0.25	9	34	A0051619
fine grained-aphanitic unit, strong alteration, small irregular hairline qtz--carb fracture fill veins, 1>% pyrite disseminated, pervasive moderate magnetism						126.0	127.0	1	0.017	2.5	0.25	3	57	A0051620
Unit appears to be felsic but with magnetism and silica alteration it is likely intermediate or even mafic. Unit has a high abundance of plag grains with ser alteration around them.						127.0	128.0	1	0.0025	2.5	0.25	15	63	A0051621
Silica alteration grades from moderate into strong (128.75-129.82). Strong silica alteration resulting in bleaching. moderate semi-pervasive potassic alteration occurring in silica bleached section of unit (128.75-129.82). Magnetite replacement of plag grains occurring in bleached areas						128.0	128.75	0.75	0.0025	2.5	0.25	3	51	A0051622
Sericitic alteration is pervasive through unit with moderate strength.						128.75	130.02	1.27	0.0025	2.5	0.25	14	35	A0051623
unit has a series of 1cm qtz-carb-chl veins with a alpha angle that is roughly 45 degrees. These veins are possibly related due to similar angle, mineralogy and size of these veins. These veins have tor present in silica bleached areas (128.76, 128.98, 129.25)														
Lower contact of unit has 2cm thick qtz-carb vein.														

130.02	131	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	130.02	131.0	0.98	0.0025	2.5	0.25	48	180	A0051624
fine grained, green-grey, moderately altered, sharp upper and lower contacts, weakly foliated, trace py min, clasts are altered by carbonate and chlorite. lipilli tuff protolith.														
pervasive weak chl-epi alteration														
trace py mineralization.														

131	134.01	IV, INTERMEDIATE VOLCANIC	BLEACHED	VERY FINE	BEIGE	131.0	132.49	1.49	0.0025	2.5	0.25	6	17	A0051625
fine grained, beige, strong pervasive sil alteration, pervasive strong magnetism, <1% py						132.49	133.25	0.76	0.0025	2.5	0.25	8	13	A0051626
Unit appears to be felsic in composition but due to magnetism and strong sil alteration it is likely intermediate or mafic. Magnetite grains pervasive throughout unit and become more evident in bleached areas. In unbleached areas there is a high % of plag grains that display ser alteration. Likely magnetite replacement						133.25	134.01	0.76	0.0025	2.5	0.25	13	19	A0051627
sil alteration grades from moderate into strong (132.4-133.90), texture at strongest points of silica alteration is bleached with moderate pervasive potassic alteration. Pervasive ser alteration is moderate throughout.														
high abundance of healed fractures and carb stringers.														
unit holds occasional qtz-carb-magnetite veins														

Project: Van Horne

Hole Number: VH19-001

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
134.01	147.29	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	DARK GREY	134.01	135.0	0.99	0.441	2.5	0.25	35	108	A0051628
Dark grey, intermediate volcanics, weak pervasive magnetics, strongly deformed area of unit (134.30-134.8). massive-very weakly foliated with areas of pronounced foliation						135.0	136.0	1	0.005	2.5	0.25	42	85	A0051629
Unit displays strong deformation from 134.30-134.8 and in this deformed area ~3% py was observed (2% along foliations and <1% blebby). Many qtz-carb veins in this deformation zone.						136.0	138.0	2	0.0025	2.5	0.25	16	93	A0051630
two likely related qtz-carb-mag veins (137.52, 137.68) both 3cms thick with one vein hosting a large bleb of py making up 3% of vein.						138.0	140.0	2	0.006	2.5	0.25	36	66	A0051632
unit has another group of 3 related veins (144.2-144.7m) these veins are slightly irregular and are qtz-carb-chl-tor in composition and average to be about 4cm thick.						140.0	142.0	2	0.0025	2.5	0.25	23	74	A0051633
Mineralization in vein averages to <1% with some areas of concentrated disseminated pyrite (138.33) and occasional pyrite bearing stringer veins (135.20, 146.8)						142.0	144.0	2	0.0025	2.5	0.25	35	81	A0051634
Lower contact of unit somewhat gradational into volcanoclastics						144.0	145.0	1	0.005	2.5	0.25	43	75	A0051635
						145.0	146.0	1	0.0025	2.5	0.25	33	99	A0051636
						146.0	147.29	1.29	0.0025	2.5	0.25	48	99	A0051637
147.29	149.16	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	APHANITIC	LIGHT GREY	147.29	148.04	0.75	0.0025	2.5	0.25	38	68	A0051638
Light grey, weakly foliated, moderately altered and deformed, <1% py. gradational upper and lower contacts						148.04	149.16	1.12	0.0025	2.5	0.25	22	79	A0051639
Unit displays moderate sercite and carb alteration which seems to destroy the primary structure. Clasts vary in composition and size in this unit, some clasts displaying potassic alteration.														

Project: Van Horne

Hole Number: VH19-001

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
149.16	177	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	LIGHT GREY	149.16	150.05	0.89	0.0025	2.5	0.25	32	92	A0051640
light grey-very light green, intermediate volcanics, texture is inconsistent - mostly fine grained displaying a weak foliation, localised areas of increased pyrite mineralization. Unit has spotty weak magnetism.						150.05	150.88	0.83	0.0025	2.5	0.25	32	79	A0051641
Texture of unit varies. predominately unit is made of fine grained foliated material. In localized areas (150.88-153.19, 162.26-162.52, 163.17-163.36, 164.01-164.77, 174.35-174.5) there is a hydrothermal-esque texture observed. This texture may be the result of strong semi-pervasive car+sil alteration. In two cases (164-01-164.77, 174.35-174.5) this texture holds fracture fill py mineralization inside the altered areas .						150.88	152.0	1.12	0.0025	2.5	0.25	19	100	A0051642
In other areas of more porphyritic texture is observed with an aphanitic-fine grained ground mass with a varying % of medium grained qtz/plag grains. In most cases these grains are irregular in shape and have an alteration halo						152.0	153.19	1.19	0.0025	2.5	0.25	19	96	A0051643
Unit holds occasional qtz-carb veins averaging a width of 0.5cm and an alpha angles of 40-50 degrees.						153.19	154.0	0.81	0.0025	2.5	0.25	28	111	A0051645
Alteration in unit varies depending on the texture, weak pervasive carb alteration can be seen throughout increasing near veins and increasing to strong within "hydrothermal" areas.						154.0	155.0	1	0.0025	2.5	0.25	39	122	A0051646
						155.0	156.0	1	0.0025	2.5	0.25	39	109	A0051647
						156.0	157.0	1	0.0025	2.5	0.25	40	103	A0051648
						157.0	158.0	1	0.0025	2.5	0.25	16	72	A0051649
						158.0	159.0	1	0.0025	2.5	0.25	11	85	A0051650
						159.0	160.0	1	0.0025	2.5	0.25	37	95	A0051651
						160.0	161.0	1	0.0025	2.5	0.25	39	117	A0051652
						161.0	162.0	1	0.0025	2.5	0.25	59	110	A0051653
						162.0	163.0	1	0.0025	2.5	0.25	60	118	A0051654
						163.0	164.0	1	0.0025	2.5	0.25	40	122	A0051655
						164.0	164.77	0.77	0.0025	2.5	0.7	271	85	A0051656
						164.77	166.0	1.23	0.0025	2.5	0.25	80	77	A0051658
						166.0	167.0	1	0.0025	2.5	0.25	57	107	A0051659
						167.0	168.0	1	0.0025	2.5	0.25	12	85	A0051660
						168.0	169.0	1	0.0025	2.5	0.25	10	101	A0051661
						169.0	170.0	1	0.0025	2.5	0.25	24	97	A0051662
						170.0	171.0	1	0.0025	2.5	0.25	13	103	A0051663
						171.0	171.9	0.9	0.0025	2.5	0.25	59	122	A0051664
						171.9	173.0	1.1	0.0025	2.5	0.25	14	119	A0051665
						173.0	174.0	1	0.0025	2.5	0.25	13	105	A0051666
						174.0	175.0	1	0.0025	2.5	0.25	25	92	A0051667
						175.0	176.0	1	0.0025	2.5	0.25	12	94	A0051668
						176.0	177.0	1	0.0025	2.5	0.25	19	98	A0051669

Project: Van Horne

Hole Number: VH19-002

Drill Hole

Prospect: VH-BONANZA **Operator:** KGC EXPLORATION
Year: 2019 **Geologist:** MIKE ROBERTS
Hole Size: NQ **Casing Depth:** 6
Orient: ACT III **EOH:** 168
Hole Status: COMPLETE **Logged Depth:** 168

Drilling

Start Date: Aug-12-2019
End Date: Aug-15-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 508,819
Northing: 5,507,595
Elevation: 387

Comments: No orientation lines at intervals 0-3, 3-6, 6-9, 9-12, 12-15, 15-18, 18-21, 21-24, 24-27, 27-30, 30-33, 36-39, 39-42, 45-48, 54-57, 60-81, 90-114, 120-135, 150-156.

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	2.4	OB, OVERBURDEN												
2.4	3.17	MV, MAFIC VOLCANIC	MASSIVE	FINE	GREEN	2.4	3.0	0.6	0.0025	2.5	0.5	15	45	A0051671
Broken and blocky core. All pieces are ,5cm in size and over drilled to rubble.						3.0	4.0	1	0.0025	2.5	0.25	7	37	A0051672
3.17	5	ID, INTERMEDIATE DYKE	GLASSY	APHANITIC	BLACK	3.0	4.0	1	0.0025	2.5	0.25	7	37	A0051672
Broken and blocky core. All pieces are over drilled to <5cm to 10 cm in size. Unit appears to be a dyke but no contact info due to drilling. Unit is strongly silicified and potassically altered and may just be a volcanoclastic mafic unit but difficult to determine due to blocky core						4.0	5.0	1	0.0025	2.5	0.25	16	32	A0051673
5	12.7	MV, MAFIC VOLCANIC	FOLIATED	FINE	GREEN	5.0	6.0	1	0.0025	2.5	0.25	21	42	A0051674
Shear Fault zone. Strong fracture zone. Unit consists of mafic volcanic that is under high strain.. Quartz vein at 9.00 to 9.10m at 49 dca surrounded by strongly fractured core with strong hematite, k-spar and sericite alteration. Entire unit is well fractured altered and gossanous						6.0	7.0	1	0.0025	2.5	0.25	91	127	A0051675
						7.0	8.0	1	0.0025	2.5	0.25	33	113	A0051676
						8.0	9.0	1	11.3	7	0.6	81	83	A0051677
						9.0	10.0	1	0.558	2.5	0.25	8	37	A0051678
						10.0	11.0	1	0.163	2.5	0.25	11	40	A0051679
						11.0	12.0	1	0.0025	2.5	0.25	15	50	A0051680
						12.0	12.7	0.7	0.0025	2.5	0.25	12	48	A0051681
12.7	42.1	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	DARK GREEN	12.7	13.12	0.42	0.0025	2.5	0.25	9	50	A0051682
Mostly massive Intermediate to mafic volcanic unit. Unit is bleached dry and dark green wet. likely interpreted as a felsic volcanic at surface. From 122 to 125.36 unit is strongly fractured with rusty 1 mm fault gouge at 23.32 m at 25 dca. This interval has moderate to strong k-spar and sericite alteration.						13.12	14.0	0.88	0.0025	10	0.25	17	55	A0051684
						14.0	15.0	1	0.0025	2.5	0.25	15	63	A0051685
						15.0	16.0	1	0.0025	2.5	0.25	17	69	A0051686
						16.0	17.0	1	0.0025	2.5	0.25	12	63	A0051687
						17.0	18.1	1.1	0.0025	2.5	0.25	3	42	A0051688
						18.1	19.0	0.9	0.0025	2.5	0.25	1	35	A0051689
						19.0	20.0	1	0.0025	2.5	0.25	7	54	A0051690
						20.0	21.0	1	0.0025	2.5	0.25	7	44	A0051691

Project: Van Horne

Hole Number: VH19-002

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						21.0	22.0	1	0.0025	2.5	0.25	5	44	A0051692
						22.0	23.0	1	0.254	2.5	0.7	12	61	A0051693
						23.0	24.0	1	0.01	2.5	0.25	40	101	A0051694
						24.0	25.0	1	0.0025	2.5	0.25	27	74	A0051695
						25.0	26.0	1	0.0025	2.5	0.25	18	92	A0051697
						26.0	27.0	1	0.0025	2.5	0.25	7	56	A0051698
						27.0	28.0	1	0.0025	2.5	0.25	6	65	A0051699
						28.0	29.0	1	0.0025	2.5	0.25	5	64	A0051700
						29.0	30.0	1	0.0025	2.5	0.25	3	77	A0051701
						30.0	31.0	1	0.0025	2.5	0.25	27	52	A0051702
						31.0	32.0	1	0.0025	2.5	0.25	11	43	A0051703
						32.0	33.0	1	0.0025	2.5	0.25	8	45	A0051704
						33.0	34.0	1	0.0025	2.5	0.25	10	48	A0051705
						34.0	35.0	1	0.0025	2.5	0.25	14	36	A0051706
						35.0	36.0	1	0.0025	2.5	0.25	14	40	A0051707
						36.0	37.0	1	0.0025	2.5	0.25	9	45	A0051708
						37.0	38.0	1	0.175	2.5	0.25	12	64	A0051710
						38.0	39.0	1	0.466	2.5	0.25	11	85	A0051711
						39.0	40.0	1	0.005	2.5	0.25	9	55	A0051712
						40.0	41.0	1	0.0025	2.5	0.25	28	69	A0051713
						41.0	42.1	1.1	0.0025	2.5	0.25	62	67	A0051714
42.1	67.7	MVCL, MAFIC VOLCANICLASTIC	POLYMICTIC	FINE	GREEN	42.1	43.0	0.9	0.0025	2.5	0.25	33	87	A0051715
		Green to dark green fine grained flow with numerous lapilli clasts ranging from large 1-2 cm angular clasts to 1mm stretched clasts. well foliated at 41 to 50 dca. Possible flow top breccia at beginning of unit. grading smaller down hole. From				43.0	44.0	1	0.007	2.5	0.25	66	81	A0051716
						44.0	45.0	1	0.007	2.5	0.25	49	62	A0051717
						45.0	46.0	1	0.0025	2.5	0.25	16	45	A0051718
						46.0	47.0	1	0.0025	5	0.25	35	112	A0051719
						66.0	67.0	1	0.0025	2.5	0.25	14	104	A0051720
						67.0	67.7	0.7	0.0025	2.5	0.25	61	99	A0051721
67.7	76.04	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREY	67.7	69.0	1.3	0.0025	2.5	0.25	44	89	A0051723
		Grey colour. Fine grained to aphanitic. Intermediate to felsic volcanics similar to 12.7 to 42.1 m. Alteration is consistent. Weak pervasive silicification throughout unit. Weak fracture filled carbonate throughout unit. increasing to strong from 68.6 to 70.2 m.				69.0	70.0	1	0.0025	2.5	0.25	30	84	A0051724
						70.0	71.0	1	0.0025	2.5	0.25	16	97	A0051725

Project: Van Horne

Hole Number: VH19-002

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						71.0	72.0	1	0.0025	2.5	0.25	16	101	A0051726
						72.0	73.0	1	0.0025	2.5	0.25	33	101	A0051727
						73.0	74.0	1	0.0025	2.5	0.25	57	117	A0051728
						74.0	75.0	1	0.0025	5	0.25	28	37	A0051729
						75.0	76.04	1.04	0.0025	2.5	0.25	35	51	A0051730
76.04	77.03	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	76.04	77.0	0.96	0.0025	2.5	0.25	20	114	A0051731
Pervasive foliation possible deformation zone with deformed carb stringers (with deformed clasts) Pervasive moderate chlorite and carb alteration. Gradational lower contact with sharp upper contact.						77.0	78.0	1	0.0025	5	0.25	10	47	A0051732
77.03	85.65	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	GREY	77.0	78.0	1	0.0025	5	0.25	10	47	A0051732
Inconsistent texture. Inconsistent alteration. Fine grained to aphanitic. Unit displays moderate foliation from 79.03 to 79.94. Irregular carb veinlets throughout with occasional quartz carb blowouts (82,.23m). 83.60 to 85.65m unit displays moderate silica alteration and moderate sericite alteration (appearing felsic) in the same interval a series of quartz carb chlorite veins with widths from 1cm to 4cm avg alpha angle 50 dca. observed. Large 17 cm quartz carb tourmaline pyrite vein is seen from 85.22 to 85.45. Upper and lower vein. contacts irregular.						78.0	79.0	1	0.0025	2.5	0.25	17	66	A0051733
						79.0	80.0	1	0.0025	2.5	0.25	8	105	A0051734
						80.0	81.0	1	0.0025	5	0.25	12	95	A0051736
						81.0	82.0	1	0.0025	2.5	0.25	17	96	A0051737
						82.0	83.0	1	0.0025	5	0.25	9	87	A0051738
						83.0	84.0	1	0.0025	2.5	0.25	14	86	A0051739
						84.0	85.0	1	0.0025	5	0.25	20	101	A0051740
						85.0	85.65	0.65	0.341	5	0.25	16	133	A0051741
85.65	98.28	MV, MAFIC VOLCANIC	MASSIVE	FINE	BLACK	85.65	86.5	0.85	0.334	2.5	0.25	14	85	A0051742
Massive weakly foliated. Pervasive weak carb alteration. 86.62-86.95m inclusion of "felsic" looking unit seen in previous interval. Sericite alteration increases to moderate at 94 m. Increasing to strong at 96.91 to end of unit.						86.5	87.0	0.5	0.015	2.5	0.25	23	123	A0051743
						87.0	88.0	1	0.107	5	0.25	16	86	A0051744
						88.0	89.0	1	0.0025	2.5	0.25	10	98	A0051745
						89.0	90.0	1	0.0025	2.5	0.25	13	93	A0051746
						90.0	91.0	1	0.0025	2.5	0.25	14	94	A0051747
						91.0	92.0	1	0.007	2.5	0.25	13	90	A0051749
						92.0	93.0	1	0.02	2.5	0.25	13	94	A0051750
						93.0	94.0	1	0.0025	2.5	0.25	18	92	A0051751
						94.0	95.0	1	0.0025	2.5	0.25	23	84	A0051752
						95.0	96.0	1	0.0025	5	0.25	10	78	A0051753
						96.0	97.0	1	0.0025	2.5	0.25	15	57	A0051754
						97.0	98.28	1.28	0.0025	2.5	0.25	20	51	A0051755

Project: Van Horne						Hole Number: VH19-002								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
98.28	131.5	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREY	98.28	99.0	0.72	0.0025	2.5	0.25	52	89	A0051756
Green Grey colour. Consistently foliated strongsericite alteration from 92.08 to 99.06m. Protolith of unit is polymitic lappilli stone. Pervasive trace py mineralization increasing to <1% in localized areas. Quartz vein at 120.80m 1 cm wide 3% py mineralization.						99.0	100.0	1	0.0025	2.5	0.25	51	104	A0051757
						100.0	101.0	1	0.0025	2.5	0.25	42	106	A0051758
						101.0	102.0	1	0.0025	5	0.25	50	102	A0051759
						102.0	103.0	1	0.0025	7	0.25	41	104	A0051760
						103.0	104.0	1	0.0025	10	0.25	53	102	A0051762
						104.0	105.0	1	0.0025	2.5	0.25	51	101	A0051763
131.5	132	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	LIGHT GREY	Sharp upper contact irregular lower contact. Pervasive fracture moderate filled carb.								
132	133.31	MI, MAFIC INTRUSIVE	EQUIGRANULAR	MEDIUM	LIGHT GREEN	Unit weakly magnetic. Pervasive weak chlorite alteration. Trace blebby euhedral py.								
133.31	143.4	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	138.0	139.0	1	0.0025	7	0.25	36	169	A0051764
Fine grained mostly massive with weak local foliation. Ash Tuff dacite?						139.0	140.0	1	0.0025	8	0.25	35	167	A0051765
						140.0	141.0	1	0.0025	6	0.25	39	167	A0051766
						141.0	142.0	1	0.0025	2.5	0.25	36	132	A0051767
						142.0	143.0	1	0.0025	5	0.25	38	180	A0051768
						143.0	143.4	0.4	0.0025	6	0.25	76	135	A0051769
143.4	146.03	MD, MAFIC DYKE	MASSIVE	MEDIUM	GREEN	143.4	144.0	0.6	0.0025	2.5	0.25	41	165	A0051770
Green. Medium grained. equigranular mafic "gabbro" intrusive. 1mm subrounded pyroxens and amphiboles. Massive and moderately hard. Upper contact sharp at 22 dca. Lower contact sharp at 34 dca with 15cm quartz carbonate chill margin						144.0	145.0	1	0.0025	2.5	0.25	44	142	A0051771
						145.0	146.03	1.03	0.0025	6	0.25	43	135	A0051772
146.03	147.98	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	146.03	147.0	0.97	0.0025	2.5	0.25	41	135	A0051773
Fine grained weakly foliated. moderately hard to hard. amygdiloidal? with 1mm rounded white quartz carbonate? possibly replacing plagioclase phenocrysts? speckled throughout giving an ash tuff appearance. <5% <1mm quartz carbonate stringers as fracture filling throughout.						147.0	147.98	0.98	0.0025	2.5	0.25	50	141	A0051775
147.98	148.94	MD, MAFIC DYKE	MASSIVE	MEDIUM	GREEN	147.98	148.94	0.96	0.0025	6	0.25	54	151	A0051776
Green. Medium grained. equigranular mafic "gabbro" intrusive. 1mm subrounded pyroxens and amphiboles. Massive and moderately hard. Upper contact sharp at 25 dca. Lower contact sharp at 68 dca.						148.94	150.0	1.06	0.0025	2.5	0.25	50	141	A0051777

Project: Van Horne

Hole Number: VH19-002

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
Fine grained ash tuff flow. Moderately hard to hard. Weakly foliated.						150.0	151.0	1	0.0025	5	0.25	42	173	A0051778
From 154.82 to 162.00m very weak shearing event with numerous quartz and quartz carbonate veins and stringers in various orientations. 1-5% cubic pyrite throughout in veins and host rock. From 154.82 to 155.15 80% QV at 49 dca. From 155.30 to 155.43 QV at 49 dca.						151.0	152.0	1	0.0025	5	0.25	29	148	A0051779
						152.0	153.0	1	0.0025	2.5	0.25	44	160	A0051780
						153.0	154.0	1	0.152	2.5	0.25	40	167	A0051781
						154.0	154.82	0.82	0.017	5	0.25	17	107	A0051782
						154.82	155.43	0.61	0.016	5	0.25	10	40	A0051783
						155.43	156.0	0.57	0.046	2.5	0.25	10	53	A0051784
						156.0	157.0	1	0.0025	2.5	0.25	41	84	A0051785
						157.0	158.0	1	0.0025	2.5	0.25	34	83	A0051786
						158.0	159.0	1	0.0025	2.5	0.25	40	91	A0051788
						159.0	160.0	1	0.0025	2.5	0.25	28	83	A0051789
						160.0	161.0	1	0.0025	2.5	0.25	26	85	A0051790
						161.0	162.0	1	0.0025	2.5	0.25	35	87	A0051791
						162.0	163.0	1	0.0025	2.5	0.25	31	83	A0051792
						163.0	163.5	0.5	0.0025	2.5	0.25	36	85	A0051793
163.5	168	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	163.5	164.0	0.5	0.0025	2.5	0.25	52	97	A0051794
Fine grained green matrix with 1cm wide by up to 5cm long stretched clasts green or grey in colour. Well foliated at 47 to 53 dca.						164.0	165.0	1	0.0025	2.5	0.25	8	64	A0051795
						165.0	166.0	1	0.0025	2.5	0.25	47	94	A0051796
						166.0	167.0	1	0.0025	2.5	0.25	73	96	A0051797
						167.0	168.0	1	0.0025	2.5	0.25	41	99	A0051798

Project: Van Horne **Hole Number:** VH19-003

Drill Hole				Drilling		Coordinates			
Prospect:	VH-BONANZA	Operator:	KGC EXPLORATION	Start Date:	Aug-15-2019	Survey Method:	HANDHELD GPS		
Year:	2019	Geologist:	KELSEY PRIVETT	End Date:	Aug-17-2019	Grid:	NAD83 / UTM zone 15N		
Hole Size:	NQ	Casing Depth:	6	Drill Company:	Distinctive Drilling	Easting:	508,873		
Orient:	ACT III	EOH:	81			Northing:	5,507,540		
Hole Status:	COMPLETE	Logged Depth:	81			Elevation:	396		

Comments: No orientation line at intervals 3-45, 48-60, 66-69, 78-81.

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
------	----	-----------	---------	------------	--------	------	----	--------	----	----	----	----	----	--------

0	3.1	OB, OVERBURDEN												
---	-----	----------------	--	--	--	--	--	--	--	--	--	--	--	--

3.1	10.07	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY									
-----	-------	-----------------------------------	----------	------	------------	--	--	--	--	--	--	--	--	--

Dark greenish-grey, fine grained matrix with 40-50% elongated polymictic volcanic (Intermediate-Quartz) clasts. Clasts are elongated along foliation plane at 45TCA. Sporadic coarse euhedral cubic pyrite observed throughout within pressure shadows. Increase in carbonate filled irregular gashes near base of unit.

Sharp lower contact.

10.07	11.17	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY									
-------	-------	---------------------------	---------	------	------------	--	--	--	--	--	--	--	--	--

Greenish-grey, fine-grained, massive. Moderate abundance of irregular carbonate filled gashes observed throughout, including autobrecciation of unit with carbonate infill. Rare quartz-carbonate (Calcite - pink) clots and veinlets observed with fine to coarse cubic pyrite observed along margins. Lower contact lost in core, but appears to be autobrecciated.

11.17	54.94	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	54.0	55.0	1	0.0025	2.5	0.25	6	108	A0051799
-------	-------	-----------------------------------	----------	------	------------	------	------	---	--------	-----	------	---	-----	----------

Greenish-Grey, fine grained matrix with 40-50% primarily elongated polymictic clasts (intermediate-mafic). Clasts are elongated along foliation plane at ~45TCA. Clasts are typically ~1cm in thickness however can reach up to ~10cm locally.

Frequent carbonate filled gashes are observed irregular and sporadically throughout. Coarse grained pyrite is observed spottily within pressure shadows.

14.00-14.11m: Fault: Clayey fault breccia

32.72-33.00m: Increase in foliation strain to strong. Rock surrounding this interval and continuing to 36m shows oxidation on fractures and weathering - indicating fracture? (34.26-34.46m).

38.60-45.77m: Change in Alteration: Alteration becomes more strongly silicified with hematite (pervasive - flooding) from the hairline fractures, giving this interval the distinct deep maroon/purple appearance.

Lower contact is sharp.

Project: Van Horne						Hole Number: VH19-003								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
54.94	57.4	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	54.0	55.0	1	0.0025	2.5	0.25	6	108	A0051799
Dark greenish-grey, fine grained, massive mafic volcanic. Gabbro? Unit is very homoeogenous with minor quartz-carbonate gashes/veinlets throughout (rare). Silicification is weak to moderate with weak carbonate pervasive.						55.0	56.0	1	0.0025	2.5	0.25	21	82	A0051801
Lower contact is sharp and shows an increase in hematite as a result of the lower unit bleeding into.						56.0	56.7	0.7	0.0025	2.5	0.25	49	83	A0051802
						56.7	57.4	0.7	0.0025	2.5	0.25	128	83	A0051803
57.4	58.93	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	57.4	58.0	0.6	0.0025	2.5	0.25	30	88	A0051804
Continuation of unit from 11.17-54.94m. This interval displays moderate to strong hematite alteration stemming from fractures and carbonate veinlets within, bleeding out into surrounding matrix. Disseminated euhedral (cubic) pyrite increases locally to 1%.						58.0	58.93	0.93	0.034	2.5	0.25	80	109	A0051805
Both upper and lower contacts are sharp/distinct.														
58.93	62	GAB, GABBRO	MASSIVE	FINE	GREEN-GREY	58.93	60.0	1.07	0.044	2.5	0.25	67	142	A0051806
Greenish-grey, fine-grained massive, Mafic Volcanic (Gabbro?). Unit is homoeogenous with minor quartz-carbonate veinlets (mm scale) observed throughout. Silicification is very weak with moderate chlorite and carbonate.						60.0	61.0	1	0.0025	2.5	0.25	36	114	A0051807
Disseminated pyrite is observed as medium-coarse euhedral (cubic) grains locally and along rare veinlet margins. Hematite is present within upper veinlets located near upper contact. Lower contact is sharp and distinct.						61.0	62.0	1	0.0025	2.5	0.25	75	110	A0051808
62	74.07	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	62.0	63.0	1	0.0025	2.5	0.25	44	85	A0051809
Similar to unit described from 11.17-54.94m.						63.0	64.0	1	0.0025	5	0.25	36	93	A0051810
From 68-69.0m fine grained disseminated pyrite comprises 2-3% of matrix. Cubic (euhedral).						64.0	65.0	1	0.0025	2.5	0.25	26	88	A0051811
						65.0	66.0	1	0.0025	2.5	0.25	20	91	A0051812
						66.0	67.0	1	0.0025	2.5	0.25	12	99	A0051814
						67.0	68.0	1	0.005	2.5	0.25	36	97	A0051815
						68.0	69.0	1	0.005	2.5	0.25	43	100	A0051816
						69.0	70.0	1	0.0025	2.5	0.25	19	98	A0051817
						70.0	71.0	1	0.005	2.5	0.5	21	112	A0051818
						71.0	72.0	1	0.0025	2.5	0.25	27	107	A0051819
						72.0	73.0	1	0.0025	2.5	0.25	11	96	A0051820
						73.0	73.97	0.97	0.0025	2.5	0.25	14	91	A0051821
						73.97	75.0	1.03	0.042	2.5	0.25	21	77	A0051822

Project: Van Horne							Hole Number: VH19-003							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
74.07	76.37	GAB, GABBRO	MASSIVE	FINE	GREEN-GREY	73.97	75.0	1.03	0.042	2.5	0.25	21	77	A0051822
Greenish-grey, fine-grained, massive Mafic intrusive. Unit is homogenous with rare quartz-carbonate veinlets located at upper contact.						75.0	75.67	0.67	0.193	2.5	0.25	25	69	A0051823
74.7-74.80m: Shear Deformation. Moderate string fabric with quartz-carbonate vein along margin. Minor sericite alteration.						75.67	76.29	0.62	19.25	2.5	1.5	13	12	A0051824
75.67-76.29mm: 'Bonanza Vein'. 20cm prior to upper contact gabbro unit becomes more silicified. Vein itself is semi-translucent greyish-white with multiple hairline fractures (parallel) consisting of tourmaline, hematite and carbonate. Parallel at 50TCA. Fine-grained disseminated pyrite is observed along upper margin and hairline fractures. Tourmaline content becomes strong (large patches) from 76.1-76.20m. Lower contact at transition to Volcaniclastic. Is strongly sheared with sericite and hematite. Shear and alteration continue until 77.45m.						76.29	77.0	0.71	0.047	2.5	0.25	7	57	A0051825
Lower contact of unit is sheared with Quartz Vein.														
75.67 - 76.29 : Quartz Vein, 'Bonanza Vein'. Semi-translucent, greyish-white , quartz-tourmaline, carbonate vein with multiple parallel (50TCA) hairline fractures consisting of hematite, tourmaline, carbonate and pyrite.														
76.37	81	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	76.29	77.0	0.71	0.047	2.5	0.25	7	57	A0051825
Continuation of unit from 62-74.07m.						77.0	77.45	0.45	0.0025	2.5	0.25	15	77	A0051827
Alteration/Deformation from contact with Bonanza Vein continues until 77.50m.						77.45	78.0	0.55	0.0025	2.5	0.25	14	96	A0051828
Remainder of unit is very similar to previously described with moderate foliation fabric and trace rare disseminated py.						78.0	79.0	1	0.0025	2.5	0.25	7	106	A0051829
						79.0	80.0	1	0.0025	2.5	0.25	10	116	A0051830
						80.0	81.0	1	0.0025	2.5	0.25	14	110	A0051831

Project: Van Horne

Hole Number: VH19-004

Drill Hole

Prospect: VH-BONANZA **Operator:** KGC EXPLORATION
Year: 2019 **Geologist:** PERCY CLARK
Hole Size: NQ **Casing Depth:** 6
Orient: ACT III **EOH:** 180
Hole Status: COMPLETE **Logged Depth:** 180

Drilling

Start Date: Aug-17-2019
End Date: Aug-20-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 508,764
Northing: 5,507,590
Elevation: 390

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	2.65	OB, OVERBURDEN												

2.65 7.58 MV, MAFIC VOLCANIC MASSIVE FINE DARK GREY
 fine grained, blocky, dark grey-black, mafic to int. volcanic unit with weak abundance of qtz stringers. "tuff" protolith

Upper portion of unit 2.65-4.15 is blocky (top of hole) with notable amount of drill bit left on core. Unit has pervasive weak silica alteration which has left grain boundaries hard to distinguish, lower abundance of larger qtz-plag gains distinguishable. Qtz-carb veinlets are increasing in abundance near lower contact of unit. Notable 2cm qtz-carb vein set from 6.04-6.10m. Disseminated <1 py throughout unit increasing to 1% in localized areas. Unit has pervasive moderate magnetism.

gradational lower contact

7.58 33.09 MV, MAFIC VOLCANIC	FOLIATED	VERY FINE	LIGHT GREY	9.0	10.0	1	0.006	2.5	0.25	6	65	A0051832
ery fine to aphanitic, mafic to intermediate volcanic, light grey, weakly foliated, moderate abundance of irregular fractures (carb-qtz), pervasive moderate magnetism.				10.0	11.0	1	0.047	2.5	0.25	6	80	A0051833
				11.0	12.0	1	0.0025	2.5	0.25	10	64	A0051834
Unit has been moderately to strongly silicified and has weak ser alteration and (increasing to very strong at 15.84-16.23). In the very strong silicified zone, moderate ser alteration is present and 5% py blebby and along fractures is observed with 3cm qtz-carb-tor vein at 15.84. Unit has occasional 1-2cm qtz-carb-chl veins (8.65, 9.27). Fractures are predominately irregular (0.25-0.5cm) with occasional small qtz-carb blowouts (27.5m). Ground mass completely altered due to alteration which led to aphanitic classification.				12.0	13.0	1	0.0025	2.5	0.25	6	34	A0051835
				13.0	14.0	1	0.0025	2.5	0.25	8	94	A0051836
gradational upper contact with sharp lower contact.				14.0	15.0	1	0.0025	2.5	0.25	6	63	A0051837
				15.0	15.84	0.84	0.0025	2.5	0.25	5	56	A0051838
				15.84	16.33	0.49	2.8	5	0.9	28	780	A0051840
				16.33	17.0	0.67	0.078	2.5	0.25	6	64	A0051841
				17.0	18.0	1	0.0025	2.5	0.25	7	93	A0051842
				18.0	19.0	1	0.0025	2.5	0.25	12	70	A0051843

33.09 34.76 MI, MAFIC INTRUSIVE MASSIVE FINE GREY
 medium grained, equigranular, mafic intrusive, grey, non-magnetic, trace Py, 7, <1cm qtz-carb veins with differing alpha angles. Sharp upper contact, gradational lower contact.

Unit is thought to be an intrusion due to differing grain size, non-magnetism and sharp upper contact. Could possibly be a different volcanic unit.

Project: Van Horne

Hole Number: VH19-004

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
34.76	51.91	MV, MAFIC VOLCANIC	MASSIVE	APHANITIC	DARK GREY	45.0	46.0	1	0.0025	2.5	0.25	15	85	A0051844
aphanitic, mafic to intermediate volcanics, very high abundance of irregular fractures (carb-qtz), dark grey with some areas black, gradational upper contact and sharp lower contact.						46.0	47.0	1	0.0025	2.5	0.25	14	80	A0051845
High abundance of fractures occur from 36.50-51m, amongst fracture zone are occasional qtz veins (with a weak green-brown/beige ting chl-ser possibly?). These qtz veins are irregular and are likely tensional-fracture infill (40.14, 40.55, 40.95, 42.35, 42.95m). Some of these fractures display ankerite alteration. (48.63-48.78, 50.65-50.80m)						47.0	48.0	1	0.0025	2.5	0.25	12	85	A0051846
Lower contact associated with 3cm qtz-carb-ank vein.						48.0	49.0	1	0.0025	2.5	0.25	13	85	A0051847
						49.0	50.0	1	0.0025	2.5	0.25	13	88	A0051848
						50.0	51.0	1	0.0025	2.5	0.25	25	74	A0051849
						51.0	51.9	0.9	0.0025	2.5	0.25	17	64	A0051850
						51.9	52.4	0.5	0.0025	2.5	0.25	27	105	A0051851
51.91	53.26	MI, MAFIC INTRUSIVE	MASSIVE	FINE	LIGHT GREY	51.9	52.4	0.5	0.0025	2.5	0.25	27	105	A0051851
fine to medium grained, mafic to intermediate intrusive, non-magnetic light grey. Upper and Lower contacts associated with veins.						52.4	53.2	0.8	0.005	2.5	0.25	34	110	A0051853
Ankerite alt halo around fracture (52.75-52.83m)						53.2	54.0	0.8	0.36	2.5	0.25	14	40	A0051854
Upper contact occurs along 2cm qtz-carb-ank-py vein, lower contact occurs with 70cm qtz-carb-tor-py vein made up of 50% vein and 50% wallrock inclusions														
53.26	86.57	MV, MAFIC VOLCANIC	MASSIVE	APHANITIC	DARK GREY	53.2	54.0	0.8	0.36	2.5	0.25	14	40	A0051854
dark grey, aphanitic, low abundance of irregular fractures throughout, moderate pervasive magnetism, pervasive weak silica alteration.						54.0	55.0	1	0.454	2.5	0.25	29	88	A0051855
top of unit (53.26-53.96m) 70cm qtz-carb-py vein 50% vein-50% wallrock inclusions. Vein is moderately deformed. Py mineralization along inclusions in vein and along margins of vein totalling 3%. 3cm qtz-carb (ank) -chl-py vein (54.37-54.40), likely associated to vein above. fault gouge from 54.55-54.65m with small qtz-carb(ank) veins on margins. 1cm qtz-carb-py vein 55.09-55.11m.						55.0	56.0	1	0.047	2.5	0.25	15	73	A0051856
Fractures in unit increase around 69m until end of unit 86.57m. These fractures vary in size irregular and orientation. Qtz veins (with similar green-brown/beige tinge as seen in previous fracture unit.) observed varying from 2 to 4cm, Notable qtz veins occur at 73.52 to 74.09m zone made up of 4 qtz veins varying from 3 to 9 cms in length, zone made up of 65% vein and 35% wallrock. These veins are qtz-tor-carb in composition. slightly irregular in composition.						56.0	57.0	1	0.022	2.5	0.25	16	87	A0051857
Qtz-tor fracture zone from 74.90 to 75.29. with 1% py along fractures.						57.0	58.0	1	0.0025	2.5	0.25	14	83	A0051858
						58.0	59.0	1	0.0025	2.5	0.25	12	79	A0051859
						59.0	60.0	1	0.0025	2.5	0.25	11	89	A0051860
						60.0	61.0	1	0.0025	2.5	0.25	13	84	A0051861
						61.0	62.0	1	0.0025	2.5	0.25	14	97	A0051862
						62.0	63.0	1	0.0025	2.5	0.25	13	92	A0051863
						63.0	64.0	1	0.0025	2.5	0.25	14	82	A0051864
						64.0	65.0	1	0.0025	10	0.25	14	89	A0051866
						65.0	66.0	1	0.0025	2.5	0.25	19	86	A0051867
						66.0	67.0	1	0.0025	2.5	0.25	14	84	A0051868
						67.0	68.0	1	0.0025	2.5	0.25	13	90	A0051869
						68.0	69.0	1	0.0025	2.5	0.25	3	88	A0051870

Project: Van Horne

Hole Number: VH19-004

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						69.0	70.0	1	0.0025	2.5	0.25	7	79	A0051871
						70.0	71.0	1	0.0025	2.5	0.25	11	84	A0051872
						71.0	72.0	1	0.0025	2.5	0.25	9	83	A0051873
						72.0	73.5	1.5	0.0025	2.5	0.25	16	84	A0051874
						73.5	74.1	0.6	0.0025	2.5	0.25	33	57	A0051875
						74.1	74.8	0.7	0.0025	2.5	0.25	25	97	A0051876
						74.8	75.3	0.5	0.0025	2.5	0.25	8	67	A0051877
						75.3	76.0	0.7	0.0025	2.5	0.25	15	89	A0051879
						76.0	77.0	1	0.0025	2.5	0.25	7	85	A0051880
						77.0	78.0	1	0.0025	2.5	0.25	13	64	A0051881
						78.0	79.0	1	0.0025	2.5	0.25	9	70	A0051882
						79.0	80.0	1	0.0025	2.5	0.25	25	91	A0051883
						80.0	81.0	1	0.0025	2.5	0.25	17	125	A0051884
						81.0	82.0	1	0.0025	2.5	0.25	15	74	A0051885
						82.0	83.0	1	0.0025	2.5	0.25	10	77	A0051886
						83.0	84.1	1.1	0.0025	2.5	0.25	14	66	A0051887
						84.1	85.0	0.9	0.0025	2.5	0.25	20	74	A0051888
						85.0	86.0	1	0.0025	2.5	0.25	21	85	A0051889
						86.0	86.57	0.57	0.0025	2.5	0.25	13	103	A0051890
86.57	111.1	MV, MAFIC VOLCANIC	MASSIVE	FINE	GREY	86.57	88.0	1.43	0.0025	5	0.25	10	90	A0051892
		Grey-Light Grey, fine to medium grained volcanic unit with spotty magnetism, unit's alteration and deformation varies.				88.0	89.0	1	0.0025	2.5	0.25	22	103	A0051893
		High % of plag-qtz grains observed throughout unit, likely a tuff protolith.				89.0	90.0	1	0.0025	2.5	0.25	17	80	A0051894
		Fault in unit identified by fault gouge at 89.48-89.61m, weak fracture-fill ankerite alteration occurring in zone.				90.0	91.0	1	0.0025	5	0.25	30	105	A0051895
		Unit displays weak silicification throughout increasing to strong in localised areas which leads to altering of original grain size and colour of rock.				91.0	92.0	1	0.0025	2.5	0.25	33	109	A0051896
		Unit is moderately deformed starting at 97.63m and increasing to strong deformation at 98.59m and continuing to 99.41m before returning to moderate deformation until 100.26m.				92.0	93.0	1	0.0025	2.5	0.25	28	119	A0051897
		In this deformation zone foliation is more pronounced and regular qtz-carb veinlets parallel to foliation are observed. Qtz vein sets within strongly deformed are observed at 98.59-98.72, 98.87-99, 99.16-99.41m. These veins are all similar in alpha angle and vary in thickness due to wallrock inclusions. Strongly deformed zone hosts 4% py along foliation (mineralization predominately in veined zones).				93.0	94.0	1	0.0025	2.5	0.25	45	167	A0051898
		Epidote alteration in unit can be seen 103.43 to 107.28 increasing to intense around epidote bleached area from 104.84 to 105.20.				94.0	95.0	1	0.0025	5	0.25	47	180	A0051899
						95.0	96.0	1	0.0025	2.5	0.25	43	130	A0051900
						96.0	97.0	1	0.0025	2.5	0.25	49	119	A0051901
						97.0	97.63	0.63	0.0025	2.5	0.25	33	126	A0051902
						97.63	98.59	0.96	0.0025	2.5	0.25	35	121	A0051903

Project: Van Horne **Hole Number:** VH19-004

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
Unit grades into finer more equigranular mafic unit which has been broken into its own rock type.						98.59	99.1	0.51	2.77	7	0.9	72	264	A0051905
						99.1	99.6	0.5	0.794	6	0.25	127	209	A0051906
						99.6	100.25	0.65	0.04	2.5	0.25	41	93	A0051907
						100.25	101.0	0.75	0.01	2.5	0.25	37	97	A0051908
						101.0	102.0	1	0.0025	2.5	0.25	42	96	A0051909
						102.0	103.0	1	0.005	5	0.25	41	102	A0051910
						103.0	104.0	1	0.0025	5	0.25	43	106	A0051911
						104.0	105.0	1	0.0025	2.5	0.25	41	105	A0051912
						105.0	106.0	1	0.0025	2.5	0.25	47	96	A0051913
						106.0	107.28	1.28	0.0025	2.5	0.25	47	106	A0051914
						107.28	108.0	0.72	0.0025	5	0.25	39	101	A0051915
						108.0	109.0	1	0.0025	5	0.25	40	100	A0051916
						109.0	110.0	1	0.0025	9	0.25	28	99	A0051918
						110.0	111.0	1	0.0025	5	0.25	35	110	A0051919
						111.0	112.0	1	0.0025	2.5	0.25	61	119	A0051920
111.1	117.63	MV, MAFIC VOLCANIC	MASSIVE	FINE	DARK GREY	111.0	112.0	1	0.0025	2.5	0.25	61	119	A0051920
dark grey, equigranular, massive, mafic volcanic with varying deformation and alteration.						112.0	113.0	1	0.0025	5	0.25	57	113	A0051921
deformed zone from 111.10 to 113.04, 1-2% py in zone diss, irregular foliation. irregular qtz carb fracture-fill veins throughout, gradational upper and lower contacts						113.0	114.0	1	0.0025	5	0.25	57	132	A0051922
						114.0	115.0	1	0.0025	2.5	0.25	51	129	A0051923
						115.0	116.0	1	0.0025	2.5	0.25	41	129	A0051924
						116.0	117.0	1	0.0025	6	0.25	34	126	A0051925
						117.0	118.0	1	0.0025	2.5	0.25	48	118	A0051926
117.63	120.73	MV, MAFIC VOLCANIC	MASSIVE	MEDIUM	GREEN-GREY	117.0	118.0	1	0.0025	2.5	0.25	48	118	A0051926
medium grained, grey-green, sharp lower contact, gradational upper contact						118.0	119.0	1	0.0025	8	0.6	52	116	A0051927
high abundance of qtz-carb fractures. irregular orientation, and varying widths. Unit has a weak gabbroic texture, unit is not magnetic. Potassic fracture-fill alteration proximal to lower contact						119.0	120.0	1	0.0025	2.5	0.25	57	125	A0051928
						120.0	120.73	0.73	0.0025	2.5	0.25	32	156	A0051929
120.73	135.87	IV, INTERMEDIATE VOLCANIC	FOLIATED	FINE	LIGHT GREY	120.73	121.36	0.63	0.0025	2.5	0.25	7	113	A0051931
light grey, intermediate to mafic unit, pervasive sil, grain size is inconsistent, weakly foliated, unit has semi-pervasive strong magnetics						121.36	122.0	0.64	0.0025	2.5	0.25	7	127	A0051932
grain size varies along with alteration, in strong sil zones the grainsize is aphanitic and in less altered areas appears fine grained. unit displays occasional qtz-carb fractures.						122.0	123.0	1	0.0025	2.5	0.25	84	107	A0051933
unit displays strong potassic and sil alteration from 123.96 to 127.20, this zone appears to have a faint breccia						123.0	123.96	0.96	0.012	2.5	0.25	160	190	A0051934

Project: Van Horne

Hole Number: VH19-004

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
texture which might be the result of selective chl alteration. this pot zone displays a weak foliation near the contacts and hosts localized areas of py mineralization as high as 3% along foliations (126.52-127.20).						123.96	125.0	1.04	0.01	2.5	0.25	38	47	A0051935
95cm Qtz-carb-tor-chl-py irregular vein (131.41-132.34) with wallrock inclusions and occasional vuggs, weak potassic alteration in wallrock inclusions. Mineralization in vein is vuggy and along margins, as high as 4% with an average of 2% for the whole vein. sharp upper and lower contacts.						125.0	126.0	1	0.012	2.5	0.25	33	27	A0051936
strongly silica alteration zone starting at 132.95 until the end of the unit. weak semi-pervasive potassic alteration occurring in zone.						126.0	126.6	0.6	0.067	2.5	0.25	43	36	A0051937
						126.6	127.2	0.6	0.701	12	0.7	128	33	A0051938
						127.2	128.0	0.8	0.008	2.5	0.25	42	86	A0051939
						128.0	129.0	1	0.005	2.5	0.25	49	75	A0051940
						129.0	130.0	1	0.007	5	0.25	65	82	A0051941
						130.0	130.7	0.7	0.006	2.5	0.25	55	70	A0051942
						130.7	131.41	0.71	0.006	2.5	0.25	48	75	A0051944
						131.41	132.34	0.93	0.0025	2.5	0.25	10	43	A0051945
						132.34	133.0	0.66	0.0025	2.5	0.25	38	82	A0051946
						133.0	134.0	1	0.0025	2.5	0.25	15	84	A0051947
						134.0	135.0	1	0.0025	2.5	0.25	36	92	A0051948
						135.0	135.87	0.87	0.0025	5	0.25	66	86	A0051949
135.87	141.03	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	MEDIUM	GREEN-GREY	135.87	136.4	0.53	0.0025	2.5	0.25	81	129	A0051950
green-grey, medium grained, moderately foliated, sharp upper and lower contact.						136.4	137.0	0.6	0.0025	2.5	0.25	87	121	A0051951
clasts are finer grained, likely lapilli tuff protolith, these clasts are aligned displaying a moderately foliation. occasional areas displaying weak fractuer fill ank alteration, <1% py min along foliation. clasts are monomictic in composition and have been carb altered.						137.0	138.0	1	0.009	2.5	0.25	90	105	A0051952
inclusions of this unit seen in lower volcanic unit.						138.0	139.0	1	0.0025	2.5	0.25	71	94	A0051953
						139.0	140.0	1	0.0025	2.5	0.25	91	103	A0051954
						140.0	141.03	1.03	0.0025	5	0.25	105	135	A0051955
141.03	153.2	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREY	141.03	142.0	0.97	0.0025	2.5	0.25	45	154	A0051957
dark grey-black, mafic volcanic, massive, with varying grain size (aphanitic-fine grained). pervasive strong magnetism						142.0	143.2	1.2	0.0025	5	0.25	36	123	A0051958
unit holds mafic volcaniclastic inclusions (source above unit). occasional carb fractures with irregular orientation and thickness. 2-3% py mineralization in unit (fracture-fill, bleb, diss) pervasive.						143.2	144.0	0.8	0.0025	2.5	0.25	41	124	A0051959
gradational lower contact.						144.0	145.0	1	0.0025	2.5	0.25	32	95	A0051960
						145.0	146.0	1	0.0025	5	0.25	18	100	A0051961
						146.0	147.0	1	0.0025	6	0.25	21	105	A0051962
						147.0	148.0	1	0.0025	2.5	0.5	28	105	A0051963
						148.0	149.0	1	0.0025	2.5	0.25	30	113	A0051964
						149.0	150.0	1	0.0025	2.5	0.25	27	131	A0051965
						150.0	151.0	1	0.0025	2.5	0.25	367	160	A0051966
						151.0	152.0	1	0.0025	2.5	0.25	34	139	A0051967

Project: Van Horne

Hole Number: VH19-004

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						152.0	153.2	1.2	0.0025	2.5	0.25	26	144	A0051968
153.2	180	MVCL, MAFIC VOLCANICLASTIC	FOLIATED	MEDIUM	GREEN-GREY	153.2	154.0	0.8	0.006	11	0.25	40	149	A0051970
Green-grey, mafic volcaniclastic with varying grain-size, alteration and deformation. Varying clasts and matrix grain size. Trace py in localized areas. moderately foliated.						154.0	155.0	1	0.014	2.5	0.7	83	110	A0051971
Deformation inconsistent throughout unit moderate deformation from 177.48-178.10. Magnetite grains observed in this interval, possibly py replacement.						155.0	156.0	1	0.0025	2.5	0.25	32	146	A0051972
low abundance of irregular qtz-carb fractures throughout unit.						156.0	157.0	1	0.005	2.5	0.25	24	129	A0051973
sections of unit do not display prodominate clasts due to alteration or possible interfingering of volcanic and volcaniclastic units. 173.65-177.48 exhibits strong pervasive sil alteration and an aphanitic massive texture, possibly an intrusion.						157.0	158.0	1	0.0025	5	0.25	20	133	A0051974
						158.0	159.0	1	0.0025	2.5	0.25	27	145	A0051975
						159.0	160.0	1	0.0025	2.5	0.25	28	136	A0051976
						160.0	161.0	1	0.0025	2.5	0.25	25	139	A0051977
						161.0	162.0	1	0.0025	2.5	0.25	21	133	A0051978
						162.0	163.0	1	0.0025	2.5	0.25	27	126	A0051979
						163.0	164.0	1	0.0025	2.5	0.25	24	134	A0051980
						164.0	165.0	1	0.0025	2.5	0.25	21	136	A0051981
						165.0	166.0	1	0.0025	2.5	0.25	29	142	A0051983
						166.0	167.0	1	0.0025	2.5	0.25	17	144	A0051984
						167.0	168.0	1	0.0025	2.5	0.25	22	138	A0051985
						168.0	169.0	1	0.0025	2.5	0.25	25	142	A0051986
						169.0	170.0	1	0.0025	5	0.25	25	125	A0051987
						170.0	171.0	1	0.0025	2.5	0.25	26	147	A0051988
						171.0	172.0	1	0.0025	2.5	0.25	40	141	A0051989
						172.0	173.0	1	0.0025	2.5	0.25	17	124	A0051990
						173.0	174.0	1	0.0025	2.5	0.25	48	137	A0051991
						174.0	175.0	1	0.0025	2.5	0.25	42	134	A0051992
						175.0	176.0	1	0.0025	2.5	0.25	39	106	A0051993
						176.0	177.0	1	0.0025	2.5	0.25	46	109	A0051994
						177.0	178.0	1	0.0025	2.5	0.25	53	123	A0051996
						178.0	179.0	1	0.0025	2.5	0.25	34	113	A0051997
						179.0	180.0	1	0.0025	2.5	0.25	15	111	A0051998

Project: Van Horne						Hole Number: VH19-005					
Drill Hole			Drilling			Coordinates					
Prospect:	VH-BONANZA	Operator:	KGC EXPLORATION	Start Date:	Aug-19-2019	Survey Method:		HANDHELD GPS			
Year:	2019	Geologist:	PERCY CLARK	End Date:	Sep-24-2019	Grid:		NAD83 / UTM zone 15N			
Hole Size:	NQ	Casing Depth:	3	Drill Company:	Distinctive Drilling	Easting:		508,764			
Orient:	ACT III	EOH:	261			Northing:		5,507,590			
Hole Status:	COMPLETE	Logged Depth:	261			Elevation:		390			

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	1.25	OB, OVERBURDEN												

1.25	20.46	MV, MAFIC VOLCANIC	MASSIVE	FINE	DARK GREY	20.0	21.0	1	0.0025	2.5	0.25	21	127	A0051999
------	-------	--------------------	---------	------	-----------	------	------	---	--------	-----	------	----	-----	----------

Dark grey, fine grained, predominantly massive. Local very weak foliation fabric is observed locally around 14.0m. Unit is fairly homogeneous with minor quartz-carbonate veinlets observed from 7.0m onwards. Alteration is primarily weak silica content with moderate pervasive carbonate. Hairline gashes and fractures of carbonate are present throughout. Very fine grained disseminated pyrite (upwards of 1%) is observed from 8.0m onwards. Sharp lower contact with dyke.

20.46	22.49	MD, MAFIC DYKE	MASSIVE	VERY FINE	GREY	20.0	21.0	1	0.0025	2.5	0.25	21	127	A0051999
-------	-------	----------------	---------	-----------	------	------	------	---	--------	-----	------	----	-----	----------

Dark grey-grey, very fine grained, massive (potentially weak foliation fabric - not dominant). Upper contact is sharp/distinct cross cutting overlying unit (later event). Multiple parallel (60TCA) cm scale qtz-carbonate veinlets present from 21-22m. Unit consists of weak silicification and carbonatization. Disseminated fine grained pyrite observed locally throughout (<0.5%).

22.35-22.49m: Weakly deformed quartz-carbonate-tourmaline vein, lies along lower contact of dyke. 2-3% very fine grained disseminated pyrite within 20cm of upper quartz margin within host rock. Fine grained disseminated py+asp? within vein.

21.0 - 22.0 : Quartz Veinlets, Series of cm scale quartz-carbonate veinlets - parallel.

22.49	53.19	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	GREY	22.49	22.98	0.49	0.117	2.5	0.25	55	70	A0052002
-------	-------	--------------------	---------	-----------	------	-------	-------	------	-------	-----	------	----	----	----------

Predominantly grey, very fine-grained-aphanitic, massive, mafic-intermediate volcanic.

22.49-22.98m:	Strongly altered upper contact - result of quartz vein. Trace pyrite.	24.0	25.0	1	0.008	2.5	0.25	4	71	A0052004
---------------	---	------	------	---	-------	-----	------	---	----	----------

22.98-24.25m:	Unit is fine-medium grained, less altered by silica, more greenish in appearance with rare hairline carbonate fractures. Minor spotty carbonate filled amygdules present. No sulphides.	25.0	26.0	1	0.0025	2.5	0.25	7	92	A0052005
---------------	---	------	------	---	--------	-----	------	---	----	----------

24.25-50.57m:	Grey, strongly silicified (mafic-intermediate), degree of silicification obscures any primary features. moderate carbonate gashes and fractures present throughout. No discernible sulphides. Faintly magnetic with localized areas of moderate magnetism.	45.0	46.0	1	0.0025	2.5	0.25	10	88	A0052006
---------------	--	------	------	---	--------	-----	------	----	----	----------

46.91-47.09m:	Shear quartz vein. Quart-carbonate-tourmaline and sericite with host rock inclusions ~5%. Minor (trace) disseminated fine grained pyrite. Very fine grained asp? Local very fine grained trace magnetite.	46.81	47.09	0.28	0.0025	2.5	0.25	5	52	A0052009
---------------	---	-------	-------	------	--------	-----	------	---	----	----------

Sharp lower contact	47.09	48.0	0.91	0.0025	2.5	0.25	5	89	A0052010
---------------------	-------	------	------	--------	-----	------	---	----	----------

	48.0	49.0	1	0.0025	2.5	0.25	16	77	A0052011
--	------	------	---	--------	-----	------	----	----	----------

	49.0	50.0	1	0.0025	2.5	0.25	22	78	A0052012
--	------	------	---	--------	-----	------	----	----	----------

Project: Van Horne							Hole Number: VH19-005							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						50.0	51.0	1	0.0025	2.5	0.25	20	96	A0052013
						51.0	52.0	1	0.0025	2.5	0.25	12	81	A0052014
						52.0	53.19	1.19	0.0025	2.5	0.25	11	67	A0052015
53.19	56.41	MI, MAFIC INTRUSIVE	FOLIATED	FINE	GREEN-GREY	53.19	54.0	0.81	0.0025	2.5	0.25	47	123	A0052016
green-grey colour, sharp upper and lower contact, fine grained with medium grained plag-qtz grains aligned to form a weak foliation (inconsistent throughout rock)						54.0	55.0	1	0.0025	2.5	0.25	40	116	A0052017
Strong patchy mag through unit, irregular carb fractures with pervasive carb alteration.						55.0	56.41	1.41	0.0025	2.5	0.25	37	120	A0052018
1cm qtz vein along lower contact, irregular 2cm qtz-carb-mag vein 54.49m.														
56.41	77.38	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	GREY	56.41	57.0	0.59	0.0025	2.5	0.25	14	83	A0052019
grey to light grey in colour, pervasive sil alteration, aphanitic to fine grained, pervasive mag.						57.0	58.0	1	0.0025	2.5	0.25	21	75	A0052020
Pervasive strong sil alteration increasing to intense from 76.45-77.05, this interval also displays weak pervasive potassic alteration.						58.0	58.6	0.6	0.0025	2.5	0.25	9	65	A0052022
Zone from 59.64-67.10 made up of 30% veins mostly qtz-carb-tor-py. Most veins irregular with most rock inclusions.						58.6	59.2	0.6	0.0025	2.5	0.25	9	66	A0052023
62.82-62.95 2cm thick chl-qtz-tor-asp-mag vein with strong albite alteration halo.						59.2	59.95	0.75	0.268	2.5	0.25	13	65	A0052024
Py mineralization notable from 59.64 to 62.0. Averaging roughly 3% for the whole interval with localized areas as up to 6% blebby and disseminated.						59.95	60.6	0.65	0.669	2.5	0.25	17	77	A0052025
Vein sets 59.64-59.84, 60.18-61.09, 62.82-62.95, 63.95-64.96.						60.6	61.2	0.6	0.906	26	0.25	21	63	A0052026
Rubble zones from 73.84-74.80, 77.05-77.38.						61.2	62.2	1	0.053	2.5	0.25	42	182	A0052027
						62.2	62.7	0.5	0.0025	2.5	0.25	34	211	A0052028
						62.7	63.25	0.55	0.0025	2.5	0.25	7	169	A0052029
						63.25	63.85	0.6	0.0025	2.5	0.25	9	147	A0052030
						63.85	64.5	0.65	0.476	2.5	0.25	5	74	A0052031
						64.5	65.0	0.5	0.057	2.5	0.25	6	50	A0052032
						65.0	66.0	1	0.0025	2.5	0.25	14	86	A0052033
						66.0	67.1	1.1	0.0025	2.5	1.6	11	84	A0052035
						67.1	68.0	0.9	0.0025	2.5	0.25	6	95	A0052036
						68.0	69.0	1	0.0025	2.5	0.25	6	91	A0052037
77.38	80.07	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREEN-GREY									
Fine grained ground mass with larger qtz-plag grains throughout. Sharp upper and lower contacts. Spotty mag. moderate abundance of crosscutting carb fractures.														
spotty carb alteration (plag grains strongly altered). Areas of unit display very weak foliation.														
80.07	81.69	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	BEIGE									

Project: Van Horne

Hole Number: VH19-005

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
<p>aphanitic to fine grained, predominately grey in colour with areas displaying red (potassic+hem) and green (epidote) colours. spotty mag. Sharp upper and lower contacts.</p> <p>80.07-80.63 strongly sil altered with moderate pervasive potassic alteration. 80.63-81.63 weak fracture fill epi altered with occasional fracture fill hem. Epi+Pot alteration intensity increased with proximity to lower contact.</p>														
81.69	98.54	IV, INTERMEDIATE VOLCANIC	FOLIATED	MEDIUM	GREEN-GREY	82.0	83.0	1	0.0025	2.5	0.25	93	114	A0052038
green, fine to medium grained with abundance of qtz-plag grains (altered), very weak spotty mag, many fractures of similar orientation that have been sil filled.						83.0	84.0	1	0.0025	2.5	0.25	44	100	A0052039
Unit possibly mafic but appears intermediate due to sil alteration (weak pervasive) and epi (moderate-strong pervasive)						84.0	85.15	1.15	0.0025	2.5	0.25	7	86	A0052040
Sharp upper and lower contacts						85.15	86.0	0.85	0.0025	2.5	0.25	22	109	A0052041
sharp upper and lower contact with pervasive epi alteration giving the unit a green colour (epidote alteration not present from 90.28-93.39m but texture remains the same excluding fractures). Rare qtz veins averaging 2cms, most notable: 25cm thick qtz-carb-ser vein (84.54-84.82m) with adjacent irregular qtz-carb-chl-tor blowout. 8cm thick qtz-carb-ser-epi-hem vein (87.78-87.86m).						86.0	87.0	1	0.0025	2.5	0.25	44	101	A0052042
						87.0	88.0	1	0.0025	2.5	0.25	34	96	A0052043
						88.0	89.0	1	0.0025	2.5	0.25	43	100	A0052044
						89.0	90.0	1	0.0025	2.5	0.25	46	102	A0052045
						90.0	91.0	1	0.0025	2.5	0.25	38	101	A0052046
98.54	103.58	MV, MAFIC VOLCANIC	MASSIVE	FINE	DARK GREY	102.75	103.58	0.83	0.0025	2.5	0.25	70	174	A0052048
Mafic volcanic Dark grey with tinge of green, fine to very fine grained, sharp upper contact gradational lower contact, weak to strong mag.														
Unit has pervasive weak ser alteration and pervasive strong carb alteration with occasional carb fractures. Epi alteration very weak and gives unit faint green colour.														
Units upper contact is shape - lower contact is gradational														
103.58	162.25	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREY	103.58	105.0	1.42	0.0025	2.5	0.25	48	120	A0052049
Very fine grained to aphanitic (occasional zones with qtz-plag grains), mafic volcanic, dark grey (with section of light grey colour) strong pv mag.						105.0	106.0	1	0.0025	2.5	0.25	32	103	A0052050
Unit's upper portion (103.58-108m) is slightly deformed with strong pervasive sil alteration with spotty carb alt. Occasional qtz-carb blowout with vein observed (105.60-105.67m)						106.0	107.0	1	0.0025	2.5	0.25	26	79	A0052051
Occasional zones of strong ser alteration. These zones often have qtz veins associated with them. Strong ser alteration from 119.02-128.36. In this zone there are vein sets. These vein sets are all slightly irregular and mineralogically similar (qtz-carb-ser--chl-tor-py) none of these vein sets have sulphide content over 2%. Vein widths range from 3cm to 15cm (121.82-121.97m).						107.0	108.0	1	0.0025	2.5	0.25	16	47	A0052052
Irregular vein set 131.73-131.90, 80% vein 20% wallrock. (Qtz-carb-chl)						108.0	109.0	1	0.0025	2.5	0.25	16	75	A0052053
12cm qtz-tor-carb vein with albite halo. 140.90-141.03m.						109.0	110.0	1	0.0025	2.5	0.25	15	95	A0052054
						110.0	111.0	1	0.0025	2.5	0.25	16	93	A0052055
						111.0	112.0	1	0.0025	2.5	0.25	22	89	A0052056
						112.0	113.0	1	0.0025	2.5	0.25	12	88	A0052057
143.70-148.47m displays a weak foliation with the alignment of the qtz-plag grains, this zone has deformed/sheared vein on upper contact (143.70-143.89m). Shear is qtz-ser-carb-py-chl with py mineralization along foliation planes ~3%,						113.0	114.0	1	0.0025	2.5	0.25	13	87	A0052058
158.10-162.25 moderate fracture fill carb alteration with qtz-carb-tor vein 160.98-161.06m. 2% fracture-fill py						114.0	115.0	1	0.0025	2.5	0.25	12	97	A0052059

Project: Van Horne

Hole Number: VH19-005

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
	115.0					115.0	116.0	1	0.057	2.5	0.25	18	90	A0052061
	116.0					116.0	117.0	1	0.0025	2.5	0.25	16	93	A0052062
	117.0					117.0	118.0	1	0.0025	2.5	0.25	14	91	A0052063
	118.0					118.0	119.02	1.02	0.096	2.5	0.5	17	76	A0052064
	119.02					119.02	120.0	0.98	0.0025	2.5	0.25	10	66	A0052065
	120.0					120.0	121.0	1	0.012	2.5	0.25	19	51	A0052066
	121.0					121.0	122.15	1.15	0.007	2.5	0.25	33	57	A0052067
	122.15					122.15	123.25	1.1	0.0025	2.5	0.25	4	34	A0052068
	123.25					123.25	124.0	0.75	0.0025	2.5	0.25	12	45	A0052069
	124.0					124.0	125.0	1	0.0025	2.5	0.25	7	76	A0052070
	125.0					125.0	126.0	1	0.0025	2.5	0.25	14	39	A0052071
	126.0					126.0	127.0	1	0.0025	2.5	0.25	4	46	A0052072
	127.0					127.0	128.0	1	0.0025	2.5	0.25	7	54	A0052074
	128.0					128.0	129.0	1	0.0025	2.5	0.25	9	50	A0052075
	129.0					129.0	130.0	1	0.0025	2.5	0.25	7	87	A0052076
	130.0					130.0	131.0	1	0.0025	2.5	0.25	8	90	A0052077
	131.0					131.0	132.0	1	0.0025	2.5	0.25	5	182	A0052078
	132.0					132.0	133.0	1	0.0025	2.5	0.25	10	87	A0052079
	133.0					133.0	134.0	1	0.005	2.5	0.25	28	78	A0052080
	134.0					134.0	135.0	1	0.0025	2.5	0.25	10	98	A0052081
	135.0					135.0	136.05	1.05	0.0025	2.5	0.25	13	92	A0052082
	136.05					136.05	137.0	0.95	0.061	2.5	0.25	16	94	A0052083
	137.0					137.0	138.0	1	0.0025	2.5	0.25	29	72	A0052084
	138.0					138.0	139.0	1	0.0025	2.5	0.25	21	89	A0052085
	139.0					139.0	140.0	1	0.0025	2.5	0.25	34	83	A0052087
	140.0					140.0	141.1	1.1	0.176	2.5	0.25	26	61	A0052088
	141.1					141.1	142.0	0.9	0.0025	2.5	0.25	42	82	A0052089
	142.0					142.0	143.0	1	0.0025	2.5	0.25	20	102	A0052090
	143.0					143.0	144.0	1	1.165	2.5	0.6	42	78	A0052091
	144.0					144.0	145.0	1	0.011	2.5	0.25	54	92	A0052092
	145.0					145.0	146.0	1	0.073	2.5	6.9	681	64	A0052093

Project: Van Horne							Hole Number: VH19-005							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						146.0	147.0	1	0.006	2.5	0.25	58	60	A0052094
						147.0	148.0	1	0.0025	2.5	0.25	19	127	A0052095
						148.0	149.0	1	0.0025	2.5	0.25	11	75	A0052096
						149.0	150.0	1	0.0025	2.5	0.25	15	71	A0052097
						150.0	151.0	1	0.0025	2.5	0.25	6	76	A0052098
						151.0	152.0	1	0.0025	2.5	0.25	7	75	A0052100
						152.0	153.0	1	0.0025	2.5	0.25	11	74	A0052101
						153.0	154.0	1	0.0025	2.5	0.25	22	55	A0052102
						154.0	155.0	1	0.0025	2.5	0.25	14	49	A0052103
						155.0	156.5	1.5	0.0025	2.5	0.25	31	63	A0052104
						156.5	158.0	1.5	0.0025	2.5	0.25	18	57	A0052105
						158.0	159.0	1	0.0025	2.5	0.25	7	75	A0052106
						159.0	160.0	1	0.0025	2.5	0.25	7	101	A0052107
						160.0	160.95	0.95	0.0025	2.5	0.25	12	66	A0052108
						160.95	162.2	1.25	0.0025	2.5	0.25	57	53	A0052109
						162.2	162.83	0.63	0.0025	2.5	0.25	53	171	A0052110
162.25	165.35	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREEN-GREY	162.2	162.83	0.63	0.0025	2.5	0.25	53	171	A0052110
light green-grey mafic intrusion with sharp contacts mafic inclusion of above unit (sil-carb altered volcanics)						162.83	163.51	0.68	0.0025	5	0.25	73	88	A0052111
						163.51	164.5	0.99	0.0025	2.5	0.25	45	173	A0052113
						164.5	165.35	0.85	0.0025	2.5	0.25	41	186	A0052114
165.35	168.51	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREY	165.35	166.0	0.65	0.016	2.5	0.25	52	78	A0052115
dark grey, fine grained to aphanitic, sharp upper and lower contacts, abundance of irregular carb fractures						166.0	167.0	1	0.0025	2.5	0.25	10	80	A0052116
same unit as seen from 103.58-162.25						167.0	168.0	1	0.0025	2.5	0.25	19	44	A0052117
						168.0	168.51	0.51	0.0025	2.5	0.25	23	37	A0052118
168.51	180.5	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREY	168.51	170.0	1.49	0.0025	2.5	0.25	51	148	A0052119
fine grained, grey to dark grey with tinge of green. pervasive weak mag, occasional carb fractures irregular						170.0	171.0	1	0.0025	2.5	0.25	48	131	A0052120
unit has occasional qtz veins, 0.5-9cm in width often qtz-carb-alb.						171.0	172.0	1	0.0025	2.5	0.25	50	129	A0052121
most notable 4cm qtz-carb-alb-tor-cpy-py large bleb of 5% py-cpy						172.0	173.0	1	0.0025	2.5	0.25	55	122	A0052122
Slightly ungelous upper contact, sharp lower contact						173.0	174.5	1.5	0.0025	6	0.25	42	123	A0052123
						174.5	176.0	1.5	0.28	2.5	0.25	37	128	A0052124
						176.0	177.0	1	0.01	8	0.25	36	101	A0052126

Project: Van Horne							Hole Number: VH19-005							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						177.0	178.0	1	0.0025	2.5	0.25	87	86	A0052127
						178.0	178.5	0.5	0.039	2.5	0.7	366	73	A0052128
						178.5	179.0	0.5	0.0025	2.5	0.25	15	91	A0052129
						179.0	180.0	1	0.0025	2.5	0.25	31	103	A0052130
						180.0	181.2	1.2	0.0025	2.5	0.25	59	88	A0052131
180.5	182.88	MV, MAFIC VOLCANIC	FOLIATED	VERY FINE	DARK GREY	180.0	181.2	1.2	0.0025	2.5	0.25	59	88	A0052131
dark grey, fine grained to aphanitic, sharp upper and lower contacts, abundance of irregular carb fractures						181.2	182.0	0.8	0.0025	2.5	0.25	9	49	A0052132
moderate pervasive foliation						182.0	182.88	0.88	0.0025	2.5	0.25	18	66	A0052133
same unit as seen from 103.58-162.25														
182.88	183.61	MI, MAFIC INTRUSIVE	FOLIATED	MEDIUM	DARK GREY									
fine grained with coarse grained plag-qtz grains aligning to form a weak foliation. sharp upper and lower contacts with moderate spotty mag.														
183.61	191.59	MV, MAFIC VOLCANIC	FOLIATED	VERY FINE	DARK GREY									
dark grey, fine grained to aphanitic, sharp upper and lower contacts, abundance of irregular carb fractures														
moderate pervasive foliation														
same unit as seen from 103.58-162.25														
Unit is moderately deformed and displaying intense sil alteration and moderate ser alteration from 189.11-191.59														
191.59	218.75	MV, MAFIC VOLCANIC	MASSIVE	FINE	DARK GREY									
dark grey with a tinge of dark green in some areas, deformation and grain size vary throughout unit. sharp upper and lower contacts with deformation increasing near upper contact. Varying % of qtz-plag grains.														
pervasive carb alteration varying from weak to strong. pervasive mag. trace py in some areas.														
Unit could possibly be intrusive														
218.75	229.87	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	222.0	223.0	1	0.0025	2.5	0.25	62	125	A0052134
varying grain size, fine to aphanitic with % of plag-qtz grains differing throughout unit. high abundance of irregular qtz-carb fractures. Occasional some areas of weak deformation.						223.0	224.0	1	0.0025	2.5	0.25	32	102	A0052135
9cm qtz-carb-alb-tor-chl-py vein 229.40-229.55						224.0	225.0	1	0.0025	2.5	0.25	24	80	A0052136
7cm qtz-carb-alb-ser-tor vein 227.53-227.83m.						225.0	226.0	1	0.0025	2.5	0.25	6	101	A0052137
Unit displays some areas of weak deformation						226.0	227.0	1	0.0025	2.5	0.25	14	97	A0052139
Unit similar to one seen at 81.69m uphole						227.0	228.0	1	0.0025	2.5	0.25	11	88	A0052140
						228.0	229.0	1	0.0025	2.5	0.25	27	146	A0052141
						229.0	229.87	0.87	0.005	2.5	0.25	72	109	A0052142
229.87	230.73	MI, MAFIC INTRUSIVE	FOLIATED	FINE	LIGHT GREY	229.87	230.73	0.86	0.0025	2.5	0.25	54	72	A0052143

Project: Van Horne

Hole Number: VH19-005

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
Light grey, high % of plag-qtz grains giving the intrusion a porphyritic texture. sharp upper and lower contacts. irregular carb fractures														
230.73	233.5	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	230.73	232.0	1.27	0.021	2.5	0.25	35	77	A0052144
Similar unit to what is seen at 229.87. green colour with this interval occurring between two intrusions - deformation, alteration and grain size consistent (small interval)						232.0	233.5	1.5	0.0025	2.5	0.25	39	95	A0052145
Unit similar to one seen at 81.69m uphole														
233.5	236.9	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREY	233.5	235.0	1.5	0.0025	2.5	0.25	41	144	A0052146
Similar porphyritic texture to intrusion at 229.87. sharp upper and lower contacts						235.0	236.0	1	0.0025	2.5	0.25	46	108	A0052147
						236.0	236.9	0.9	0.0025	2.5	0.25	46	114	A0052148
236.9	246.31	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	236.9	238.0	1.1	0.0025	2.5	0.25	42	99	A0052149
Similar unit to what is seen at 229.87. Higher abundance of carb fractures, with epidote halos around some fractures. Small intervals of increased deformation.						238.0	239.0	1	0.0025	2.5	0.25	45	103	A0052150
Lower and upper contacts sharp, lower contact displays epidote alteration. In this epi alt zone there are there are irregular altered qtz veins						239.0	240.2	1.2	0.0025	9	0.25	19	108	A0052152
Unit similar to one seen at 81.69m uphole						240.2	241.1	0.9	0.0025	2.5	0.25	35	106	A0052153
						241.1	242.0	0.9	0.0025	7	0.25	36	95	A0052154
						242.0	243.0	1	0.0025	5	0.25	45	98	A0052155
						243.0	244.15	1.15	0.0025	2.5	0.25	43	91	A0052156
						244.15	245.0	0.85	0.0025	2.5	0.25	51	89	A0052157
						245.0	245.8	0.8	0.0025	5	0.25	33	89	A0052158
						245.8	246.31	0.51	0.0025	2.5	0.25	49	94	A0052159
246.31	255	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREY	246.31	247.0	0.69	0.0025	2.5	0.25	53	104	A0052160
Mafic volcanic, dark grey, hairline fractures throughout, trace py pervasive, consistent grain size (very fine-aphanitic), occasional qtz-carb vein. Consistent alteration (strong sil with subtle fracture-fill carb)						247.0	248.0	1	0.0025	2.5	0.25	51	94	A0052161
likely same unit as seen from 103.58-162.25m						248.0	249.0	1	0.0025	2.5	0.25	39	94	A0052162
						249.0	250.0	1	0.0025	2.5	0.25	43	96	A0052163
						250.0	251.0	1	0.0025	2.5	0.25	37	113	A0052165
						251.0	252.0	1	0.0025	2.5	0.25	51	112	A0052166
						252.0	253.0	1	0.0025	2.5	0.25	47	101	A0052167
						253.0	254.0	1	0.0025	2.5	0.25	38	101	A0052168
						254.0	255.0	1	0.005	2.5	0.25	35	98	A0052169

Project: Van Horne **Hole Number:** VH19-006

Drill Hole				Drilling		Coordinates			
Prospect:	VH-BONANZA	Operator:	KGC EXPLORATION	Start Date:	Aug-25-2019	Survey Method:	HANDHELD GPS		
Year:	2019	Geologist:	PERCY CLARK	End Date:	Aug-27-2019	Grid:	NAD83 / UTM zone 15N		
Hole Size:	NQ	Casing Depth:		Drill Company:	Distinctive Drilling	Easting:	508,722		
Orient:	ACT III	EOH:	162			Northing:	5,507,471		
Hole Status:	COMPLETE	Logged Depth:	162			Elevation:	386		

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	3.67	OB, OVERBURDEN												

3.67	4.07	IV, INTERMEDIATE VOLCANIC	MASSIVE	MEDIUM	LIGHT GREEN									
------	------	---------------------------	---------	--------	-------------	--	--	--	--	--	--	--	--	--

Rubble on lower contact. Green equigranular.

4.07	18.1	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	GREY									
------	------	---------------------------	---------	-----------	------	--	--	--	--	--	--	--	--	--

Intermediate to mafic, very fine grained to aphanitic, grey to light grey in colour, sharp lower contact with rubble zone distorting upper contact.

Pervasive strong silica alteration distorting original grain size. Unit also displays rare patches of weak carb alteration and pervasive weak chl alteration with patches of strong chl alteration (chl altered zones look mafic). Alteration increases with proximity to lower contact.

moderate abundance of plag-qtz grains increasing with proximity to lower contact (also could just be more visible due to alteration which also increases).

18.1	26.49	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	MEDIUM	LIGHT GREY	25.0	25.83	0.83	0.005	2.5	0.25	51	95	A0052170
						25.83	26.49	0.66	0.007	2.5	0.25	50	101	A0052171

Intermediate volcanoclastics, light grey in colour (occasional green tinge), strongly foliated, with mostly consistent deformation+alteration.

Pervasive carb alteration with matrix between clasts being predominately altered.

varying clast composition, some more distorted than others (qtz clasts not deformed) strong foliation defined by elongate clasts.

Upper and lower contacts gradational

26.49	40.18	IV, INTERMEDIATE VOLCANIC	MASSIVE	APHANITIC	LIGHT GREY	26.49	27.7	1.21	0.056	5	0.25	31	77	A0052172
						27.7	28.36	0.66	0.092	2.5	0.25	25	118	A0052173
						28.36	28.95	0.59	0.0025	2.5	0.25	45	77	A0052174
						28.95	29.7	0.75	0.043	2.5	0.25	24	66	A0052175
						29.7	30.2	0.5	0.036	2.5	0.25	21	77	A0052176
						30.2	30.87	0.67	0.008	2.5	0.25	56	98	A0052178

Grey to light grey, very fine grained to aphanitic with pervasive strong sil alteration. Unit displays pervasive irregular hairline fractures. Unit appears intermediate but appearance could be due to strong sil alteration.

Upper portion of unit (26.49-31.57) holds small deformation zones and veins often associated with these deformation zones. Veins are occasionally irregular and deformed especially in deformation zones. Zone holds <1% py throughout increasing to 1-2% in localized areas.

Project: Van Horne							Hole Number: VH19-006							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						30.87	31.6	0.73	0.009	2.5	0.25	25	62	A0052179
						31.6	32.4	0.8	0.481	2.5	0.25	199	59	A0052180
						32.4	33.4	1	0.0025	2.5	0.25	12	26	A0052181
						33.4	34.6	1.2	0.0025	2.5	0.25	14	40	A0052182
						34.6	36.0	1.4	0.0025	2.5	0.25	13	51	A0052183
						36.0	37.0	1	0.0025	2.5	0.25	22	55	A0052184
						37.0	38.0	1	0.006	2.5	0.25	21	70	A0052185
						38.0	39.0	1	0.0025	2.5	0.25	12	62	A0052186
						39.0	40.18	1.18	0.0025	2.5	0.25	7	97	A0052187
40.18	50.85	MV, MAFIC VOLCANIC	MASSIVE	FINE	GREY	40.18	41.0	0.82	0.0025	5	0.25	1	79	A0052188
Mafic to intermediate, mostly fine grained with aphanitic areas (possibly due to increased sil alteration), grey to dark grey, high abundance of plag grains, high amount of irregular carb fractures (0.1-1cm wide).						41.0	42.0	1	0.0025	2.5	0.25	3	85	A0052189
Finer grained area of unit moderately magnetic.						42.0	43.0	1	0.0025	2.5	0.25	4	100	A0052191
Pervasive weak sil alteration, pv weak ser alteration,						43.0	44.0	1	0.007	2.5	0.25	84	33	A0052192
Unit is sampled due to its proximity to "zone". trace py in unit.						44.0	45.0	1	0.0025	5	0.25	17	51	A0052193
						45.0	46.0	1	0.0025	2.5	0.25	18	78	A0052194
						46.0	47.0	1	0.0025	2.5	0.25	22	83	A0052195
						47.0	48.0	1	0.0025	2.5	0.25	21	83	A0052196
						48.0	49.0	1	0.0025	2.5	0.25	20	98	A0052197
						49.0	50.0	1	0.0025	5	0.25	20	94	A0052198
						50.0	50.58	0.58	0.0025	2.5	0.25	16	112	A0052199
						50.58	52.0	1.42	0.0025	2.5	0.25	17	100	A0052200
50.85	114	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	50.58	52.0	1.42	0.0025	2.5	0.25	17	100	A0052200
intermediate volcanics, grey to light grey, fine to aphanitic grain size, semi-consistent alteration with occasional variations (zones with weak chl, strong ser) alteration. Deformation outside of noted deformation zone (64.77-66.18) consistent. Similar lithologically to unit seen at 26.49-40.18,						52.0	53.0	1	0.0025	2.5	0.25	12	75	A0052201
Unit displays pervasive strong Sil alteration usually occurring with moderate ser alteration, ser alteration increases to strong in some areas. Low abundance or irregular qtz-carb fractures observed <1cm in width.						53.0	54.0	1	0.0025	2.5	0.25	8	41	A0052202
64.7-66.18m moderate deformation zone displaying strong ser alteration and pervasive moderate carb alteration. Zone made up of 50% qtz-carb-tor-alb vein and 50% altered wallrock (some occurring between irregular veins. Zone displays weak foliation defined by aligned micas. Likely the southern bonanza vein target judging by deformation, mineralogy and downhole section. 1-2% py diss throughout zone. Weak deformation observed ~30cm above and below zone boundaries.						54.0	55.0	1	0.005	10	0.25	41	95	A0052204
						55.0	56.0	1	0.0025	2.5	0.25	33	57	A0052205
						56.0	57.0	1	0.0025	2.5	0.25	22	68	A0052206
						57.0	58.09	1.09	0.0025	2.5	0.25	10	30	A0052207
						58.09	59.0	0.91	0.0025	2.5	0.25	51	134	A0052208
Plag-qtz grains more visible from 58.09-64.7. This interval displays strong carb alteration and weak pervasive chl alteration which could explain differing texture.						59.0	59.5	0.5	0.0025	7	0.25	50	124	A0052209
59.13-59.32 irregular qtz-carb vein set, 35% vein 65% wallrock.						59.5	60.75	1.25	0.0025	2.5	0.25	45	109	A0052210

Project: Van Horne

Hole Number: VH19-006

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
64.35-64.41m		qtz-carb-tor-alb-py vein slightly irregular contacts. 1% py blebs in vein matrix				60.75	62.0	1.25	0.0025	2.5	0.25	43	137	A0052211
52.5-55		lost/ground core. Rubble zone 90.68-91.30. Rubble zone with finer grained material. 92.70-92.80m				62.0	62.5	0.5	0.0025	2.5	0.25	16	89	A0052212
		Increased carb fractures at 80.22-82.44 irregular and inconsistent.				62.5	63.25	0.75	0.007	2.5	0.25	32	122	A0052213
		Fault gouge material				63.25	63.75	0.5	0.009	2.5	0.25	25	134	A0052214
		Sharp upper contact. low contact somewhat gradation.				63.75	64.7	0.95	0.007	2.5	0.25	44	80	A0052215
						64.7	65.35	0.65	0.492	7	0.25	13	722	A0052217
						65.35	66.25	0.9	0.094	2.5	0.25	5	84	A0052218
						66.25	67.0	0.75	0.0025	2.5	0.25	29	85	A0052219
						67.0	68.0	1	0.006	2.5	0.25	39	75	A0052220
						68.0	69.0	1	0.0025	2.5	0.25	9	51	A0052221
						69.0	70.0	1	0.0025	2.5	0.25	10	62	A0052222
						70.0	71.0	1	0.0025	2.5	0.25	9	57	A0052223
						71.0	72.0	1	0.0025	2.5	0.25	11	75	A0052224
						72.0	73.0	1	0.0025	2.5	0.25	11	85	A0052225
						73.0	74.0	1	0.0025	2.5	0.25	15	79	A0052226
						74.0	75.0	1	0.0025	2.5	0.25	15	74	A0052227
						75.0	76.0	1	0.0025	2.5	0.25	12	87	A0052228
						76.0	77.0	1	0.0025	2.5	0.25	13	50	A0052230
						77.0	77.5	0.5	0.0025	2.5	0.25	8	82	A0052231
						77.5	78.0	0.5	0.0025	2.5	0.25	5	76	A0052232
						78.0	79.0	1	0.0025	2.5	0.25	10	83	A0052233
						79.0	80.0	1	0.0025	2.5	0.25	17	83	A0052234
						80.0	81.0	1	0.0025	2.5	0.25	14	77	A0052235
						81.0	82.0	1	0.0025	2.5	0.25	6	62	A0052236
						82.0	83.0	1	0.0025	2.5	0.25	9	75	A0052237
						83.0	84.0	1	0.0025	2.5	0.25	7	76	A0052238
						102.0	103.0	1	0.0025	2.5	0.25	9	82	A0052239
						103.0	104.0	1	0.0025	2.5	0.25	6	80	A0052240
						104.0	105.0	1	0.0025	2.5	0.25	180	125	A0052241
						105.0	106.0	1	0.0025	2.5	0.25	17	96	A0052243
						106.0	107.0	1	0.0025	2.5	0.25	42	112	A0052244

Project: Van Horne							Hole Number: VH19-006							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						107.0	108.0	1	0.0025	2.5	0.25	10	93	A0052245
						108.0	109.0	1	0.0025	2.5	0.25	8	89	A0052246
						109.0	110.0	1	0.0025	2.5	0.25	5	93	A0052247
						110.0	111.0	1	0.0025	2.5	0.25	8	84	A0052248
						111.0	112.0	1	0.0025	2.5	0.25	7	79	A0052249
						112.0	113.0	1	0.0025	2.5	0.25	7	82	A0052250
						113.0	114.0	1	0.0025	2.5	0.25	6	64	A0052251
114	116	MI, MAFIC INTRUSIVE	MASSIVE	FINE	DARK GREY	114.0	114.9	0.9	0.0025	2.5	0.25	6	83	A0052252
		fine grained, mafic composition, pervasive carb alteration moderate, pervasive carb fractures, deformed lower contact with carb and potassic alteration.				114.9	115.48	0.58	0.0025	2.5	0.25	9	70	A0052253
						115.48	116.0	0.52	0.0025	2.5	0.25	42	167	A0052254
116	162	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	116.0	117.0	1	0.01	9	0.25	42	164	A0052256
		very fine to aphanitic grain size, grey to light grey, same rock unit seen uphole (50.85-114m), Occasional weak deformation zones with altered qtz-carb veins and carb blowouts.				117.0	118.0	1	0.0025	2.5	0.25	39	174	A0052257
		Pervasive strong sil alteration with pervasive ser alteration varying from moderate to strong.				118.0	119.0	1	0.0025	2.5	0.25	43	175	A0052258
						119.0	120.43	1.43	0.0025	2.5	0.25	38	189	A0052259
						120.43	121.5	1.07	0.0025	2.5	0.25	10	69	A0052260
						121.5	123.0	1.5	0.0025	2.5	0.25	9	72	A0052261
						123.0	124.0	1	0.0025	2.5	0.25	6	68	A0052262
						124.0	125.0	1	0.0025	2.5	0.25	6	64	A0052263
						125.0	126.0	1	0.0025	6	0.25	38	97	A0052264
						126.0	127.1	1.1	0.0025	2.5	0.25	10	78	A0052265
						127.1	128.0	0.9	0.0025	2.5	0.25	10	75	A0052266
						128.0	129.0	1	0.0025	5	0.25	4	80	A0052267
						129.0	130.0	1	0.0025	2.5	0.25	2	87	A0052269
						130.0	131.0	1	0.0025	2.5	0.25	4	101	A0052270
						131.0	132.0	1	0.0025	2.5	0.25	18	176	A0052271
						132.0	133.0	1	0.0025	2.5	0.25	1	87	A0052272
						133.0	133.82	0.82	0.0025	2.5	0.25	8	53	A0052273
						133.82	135.0	1.18	0.01	5	0.25	12	49	A0052274
						135.0	136.0	1	0.0025	2.5	0.25	7	74	A0052275
						136.0	137.0	1	0.007	2.5	0.25	6	79	A0052276

Project: Van Horne

Hole Number: VH19-006

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
	137.0					138.0	138.0	1	0.016	2.5	0.25	14	78	A0052277
	138.0					139.0	139.0	1	0.0025	5	0.25	8	95	A0052278
	139.0					140.0	140.0	1	0.0025	2.5	0.25	9	83	A0052279
	140.0					140.95	140.95	0.95	0.0025	2.5	0.25	26	93	A0052280
	140.95					142.0	142.0	1.05	0.0025	2.5	0.25	43	126	A0052282
	142.0					143.0	143.0	1	0.0025	2.5	0.25	11	59	A0052283
	143.0					143.85	143.85	0.85	0.0025	2.5	0.25	8	81	A0052284
	143.85					145.22	145.22	1.37	0.0025	2.5	0.25	14	98	A0052285
	145.22					145.95	145.95	0.73	0.0025	2.5	0.25	4	72	A0052286
	145.95					147.0	147.0	1.05	0.0025	2.5	0.25	10	89	A0052287
	147.0					148.0	148.0	1	0.0025	2.5	0.25	17	79	A0052288
	148.0					149.0	149.0	1	0.0025	2.5	0.25	4	84	A0052289
	149.0					150.0	150.0	1	0.0025	2.5	0.25	9	127	A0052290
	150.0					151.0	151.0	1	0.0025	2.5	0.25	7	85	A0052291
	151.0					152.0	152.0	1	0.0025	2.5	0.25	10	83	A0052292
	152.0					153.0	153.0	1	0.0025	2.5	0.25	7	80	A0052293
	153.0					154.0	154.0	1	0.0025	2.5	0.25	3	84	A0052295
	154.0					155.05	155.05	1.05	0.0025	2.5	0.25	6	83	A0052296
	155.05					156.0	156.0	0.95	0.0025	2.5	0.25	8	80	A0052297
	156.0					157.0	157.0	1	0.0025	2.5	0.25	6	83	A0052298
	157.0					158.0	158.0	1	0.0025	2.5	0.25	28	80	A0052299
	158.0					159.0	159.0	1	0.0025	2.5	0.25	4	78	A0052300
	159.0					160.0	160.0	1	0.0025	2.5	0.25	9	95	A0052301
	160.0					161.0	161.0	1	0.0025	5	0.25	7	83	A0052302
	161.0					162.0	162.0	1	0.0025	2.5	0.25	3	71	A0052303

Project: Van Horne **Hole Number:** VH19-007

Drill Hole				Drilling		Coordinates			
Prospect:	VH-BONANZA	Operator:	KGC EXPLORATION	Start Date:	Aug-27-2019	Survey Method:	HANDHELD GPS		
Year:	2019	Geologist:	PERCY CLARK	End Date:	Aug-31-2019	Grid:	NAD83 / UTM zone 15N		
Hole Size:	NQ	Casing Depth:		Drill Company:	Distinctive Drilling	Easting:	508,722		
Orient:	ACT III	EOH:	219			Northing:	5,507,443		
Hole Status:	COMPLETE	Logged Depth:	219			Elevation:	386		

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
------	----	-----------	---------	------------	--------	------	----	--------	----	----	----	----	----	--------

0 2.7 **OB, OVERBURDEN**

2.7 19 **IVCL, INTERMEDIATE VOLCANICLASTIC** FOLIATED MEDIUM GREEN-GREY

green-grey, varying alteration, intermediate volcanoclastic, varying clast size and composition, lapilli stone protolith.
 pervasive fracture-fill carb weak, semi-pervasive chl alteration.
 Sharp upper contact, gradational lower contact
 top of hole rubble, sharp lower contact, irregular carb fractures, occasional irregular carb fractures with areas displaying higher density of carb grains.
 <1% py diss

19 23.3 **IV, INTERMEDIATE VOLCANIC** MASSIVE FINE LIGHT GREY

light grey, intermediate volcanics, high density of plag grains in some areas.
 gradational upper contact, sharp lower vein occasional carb fractures, occasional bleb of pyrite.

23.3 29.4 **IVCL, INTERMEDIATE VOLCANICLASTIC** FOLIATED FINE LIGHT GREY

grey to light grey, intermediate volcanoclastic, fine to aphanitic grain size, irregular carb fractures.
 spotty strong sil alteration
 varying clast size, weakly foliated in some areas, clasts have inconsistent irregular shape
 <1% py in localized areas,

29.4 41.95 **MV, MAFIC VOLCANIC** MASSIVE FINE DARK GREY

mafic volcanic, dark grey-black (green tinge from 41.95-43m), fine grained (abundant medium grained plag phenos),
 occasional carb fractures, strong pervasive carb alteration, with trace py diss, some possible altered clasts (37m, 41.95-43m)
 gradational upper contact and sharp lower contact.

41.95 55.8 **IV, INTERMEDIATE VOLCANIC** MASSIVE VERY FINE LIGHT GREY 41.95 43.05 1.1 0.0025 2.5 0.25 17 140 A0052304

Project: Van Horne							Hole Number: VH19-007							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
		grey to light grey colour, fine to very fine grained, intermediate volcanics, low abundance of plag phenos				43.05	44.0	0.95	0.0025	2.5	0.25	16	92	A0052305
		weak foliation displayed in areas where plags phenos are abundant. Occasional qtz-carb fractures most of which have similar orientations.				44.0	44.5	0.5	0.0025	2.5	0.25	13	94	A0052306
		Occasional qtz-carb veins with notable vein at 44.9-44.95 qtz-chl-carb.				44.5	45.0	0.5	0.0025	5	0.25	9	92	A0052308
		Vein set 47.58-47.76m made up of two 6cm qtz veins with differing alpha angles, both slightly deformed, qtz-carb-chl-py-po. 2% sulphides.				45.0	46.0	1	0.0025	2.5	0.25	15	86	A0052309
		gradational lower contact				46.0	47.0	1	0.0025	2.5	0.25	13	88	A0052310
						47.0	48.0	1	0.0025	2.5	0.25	28	96	A0052311
						48.0	49.0	1	0.0025	2.5	0.25	11	106	A0052312
						49.0	50.0	1	0.0025	2.5	0.25	14	96	A0052313
						50.0	51.0	1	0.0025	2.5	0.25	8	95	A0052314
						51.0	52.0	1	0.0025	2.5	0.25	8	111	A0052315
						52.0	53.0	1	0.0025	2.5	0.25	11	98	A0052316
						53.0	54.0	1	0.0025	2.5	0.25	23	92	A0052317
						54.0	55.0	1	0.0025	2.5	0.25	8	91	A0052318
						55.0	55.8	0.8	0.0025	2.5	0.25	19	64	A0052319
55.8	59.79	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREEN-GREY	55.8	57.0	1.2	0.0025	2.5	0.25	24	139	A0052321
		grey with tinge of green, moderate foliation, intermediate volcanoclastic,				57.0	58.0	1	0.0025	2.5	0.25	23	133	A0052322
		high abundance of clasts - varying size and composition, larger grey-less deformed qtz clasts. pervasive moderate carb alteration, pervasive foliation defined by elongate and aligned clasts,				58.0	59.0	1	0.0025	2.5	0.25	27	137	A0052323
		Sharp lower contact.				59.0	59.71	0.71	0.0025	2.5	0.25	37	120	A0052324
						59.71	61.0	1.29	0.0025	2.5	0.25	28	110	A0052325
59.79	62.2	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	59.71	61.0	1.29	0.0025	2.5	0.25	28	110	A0052325
		light grey, fine grained, 60.5-61.9m shows high abundance of plag phenos, occasional carb fractures, pervasive moderate ser				61.0	62.2	1.2	0.0025	2.5	0.25	40	100	A0052326
		similar to IV seen at 41.95-55.8m,												
		deformed upper and lower contacts with carb veins along contacts												
62.2	74.4	IVCL, INTERMEDIATE VOLCANICLASTIC	FOLIATED	FINE	GREY	62.2	63.0	0.8	0.0025	2.5	0.25	26	135	A0052327
		grey, fine grained, intermediate volcanoclastic, foliated, pervasive weak carb alteration				63.0	64.0	1	0.0025	2.5	0.25	32	120	A0052328
		low abundance of clasts in areas proximal to upper and lower contacts, plag phenos abundant throughout, large less deformed qtz clasts throughout,				64.0	65.0	1	0.0025	2.5	0.25	40	119	A0052329
		oderate deformation zone (71-72m) deformed qtz-carb-tor-py vein set in this def zone (70.95-71.80m) vein set interval about 30% vein and 70% wallrock, 1% py along vein margins				65.0	66.0	1	0.0025	2.5	0.25	54	108	A0052330
						66.0	67.0	1	0.0025	2.5	0.25	40	98	A0052331
		Lower contact is gradational.				67.0	68.0	1	0.0025	2.5	0.25	43	89	A0052332

Project: Van Horne

Hole Number: VH19-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						68.0	69.0	1	0.005	2.5	0.25	47	96	A0052334
						69.0	70.0	1	0.006	2.5	0.25	51	103	A0052335
						70.0	70.95	0.95	0.007	2.5	0.25	66	107	A0052336
						70.95	71.8	0.85	0.0025	2.5	0.25	45	105	A0052337
						71.8	73.0	1.2	0.007	2.5	0.25	61	103	A0052338
						73.0	74.0	1	0.017	2.5	0.25	63	119	A0052339
						74.0	74.7	0.7	0.0025	2.5	0.25	3	113	A0052340
74.4	111	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	74.0	74.7	0.7	0.0025	2.5	0.25	3	113	A0052340
		intermediate volcanics, very fine grained to aphanitic, light grey colour, pervasive strong silica alteration, frequent qtz veins with varying size most have similar orientation.				74.7	75.85	1.15	0.007	2.5	0.25	11	66	A0052341
		portions of unit appear foliated (80-85.5m, 116-121m) foliation similar orientation to veins.				75.85	77.0	1.15	0.009	2.5	0.25	9	89	A0052342
		sharp upper and lower contacts with pervasive carb alteration present proximal to contacts ~1m.				77.0	78.0	1	0.028	2.5	0.25	3	63	A0052343
		unit displays low abundance of irregular fractures.				78.0	79.2	1.2	0.007	2.5	0.25	6	34	A0052344
		Vein zone from 76.73-81.92, zone made up of 5% veins mostly qtz-alb-carb-chl veins, mineralization along vein margins, inclusions in vein and disseminated throughout zone <1% py.				79.2	80.5	1.3	0.065	2.5	0.25	24	44	A0052345
						80.5	81.15	0.65	0.0025	5	0.25	18	52	A0052347
		Vein zone from 91.55-100.03 much less abundant veins 1-2%, these veins appear more mineralized often displaying <1% py up to 5% py (96.25-96.29m), Cpy 2% observed in vein 93.35-93.39m				81.15	81.65	0.5	0.007	2.5	0.25	51	54	A0052348
						81.65	82.3	0.65	0.009	2.5	0.25	21	45	A0052349
		mafic intrusion (109.90-110.25) likely same intrusion seen from 111-116.29m				82.3	83.0	0.7	0.033	2.5	0.25	80	40	A0052350
						83.0	84.0	1	0.0025	2.5	0.25	10	55	A0052351
						84.0	85.0	1	0.107	2.5	0.25	302	57	A0052352
						85.0	86.0	1	0.0025	2.5	0.25	14	82	A0052353
						86.0	87.0	1	0.0025	2.5	0.25	12	79	A0052354
						87.0	88.0	1	0.0025	2.5	0.25	11	64	A0052355
						88.0	89.0	1	0.0025	2.5	0.25	10	56	A0052356
						89.0	90.0	1	0.0025	2.5	0.25	13	61	A0052357
						90.0	91.0	1	0.0025	2.5	0.25	6	57	A0052358
						91.0	92.0	1	0.051	2.5	0.8	326	49	A0052360
						92.0	93.0	1	0.006	5	0.25	49	33	A0052361
						93.0	93.5	0.5	0.055	2.5	2	803	101	A0052362
						93.5	94.0	0.5	0.026	2.5	0.25	109	157	A0052363
						94.0	94.99	0.99	0.0025	2.5	0.25	18	37	A0052364
						94.99	96.0	1.01	0.0025	2.5	0.25	9	49	A0052365

Project: Van Horne

Hole Number: VH19-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						96.0	97.0	1	0.005	2.5	0.25	87	63	A0052366
						97.0	98.0	1	0.0025	2.5	0.25	9	88	A0052367
						98.0	99.0	1	0.0025	2.5	0.25	13	91	A0052368
						99.0	100.0	1	0.0025	2.5	0.25	11	61	A0052369
						100.0	101.0	1	0.006	2.5	0.25	79	133	A0052370
						101.0	102.0	1	0.0025	5	0.25	23	86	A0052371
						102.0	103.25	1.25	0.0025	2.5	0.25	33	73	A0052373
						103.25	104.5	1.25	0.005	2.5	0.25	78	45	A0052374
						104.5	105.0	0.5	0.0025	2.5	0.25	31	40	A0052375
						105.0	106.0	1	0.0025	2.5	0.25	6	55	A0052376
						106.0	107.0	1	0.0025	2.5	0.25	42	56	A0052377
						107.0	107.5	0.5	0.0025	2.5	0.25	11	43	A0052378
						107.5	108.0	0.5	0.0025	2.5	0.25	15	58	A0052379
						108.0	109.0	1	0.007	2.5	0.25	43	41	A0052380
						109.0	109.9	0.9	0.0025	2.5	0.25	20	30	A0052381
						109.9	111.0	1.1	0.0025	2.5	0.25	25	86	A0052382
111	116.29	MI, MAFIC INTRUSIVE	MASSIVE	FINE	DARK GREEN	111.0	112.0	1	0.0025	2.5	0.25	57	124	A0052383
		green-grey, fine grained, pervasive strong carb alteration, high abundance of irregular qtz-carb fractures, sharp upper contact				112.0	113.0	1	0.0025	2.5	0.25	46	106	A0052384
		strongly deformed intermediate volcanic inclusion 115.04-115.51m, deformed contacts with qtz veins on contacts. This inclusion has <1% py min along foliation.				113.0	114.0	1	0.008	5	0.25	42	80	A0052386
		Deformed qtz vein set, 114.42-114.86m with strong carb alteration.				114.0	114.42	0.42	0.028	2.5	0.25	39	71	A0052387
						114.42	114.95	0.53	0.761	12	0.25	19	96	A0052388
						114.95	115.55	0.6	0.694	13	0.25	29	49	A0052389
						115.55	116.29	0.74	0.012	2.5	0.25	40	89	A0052390
116.29	134.65	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	116.29	117.0	0.71	0.005	2.5	0.25	67	69	A0052391
		fine grained to aphanitic, grey to light grey, predominately massive with areas displaying foliation.				117.0	118.0	1	0.222	2.5	0.25	19	71	A0052392
		Unit is similar to unit seen at 74.4-111, ser alteration is stronger than above IV. Less abundant qtz veins. also appears darker in colour.				118.0	119.0	1	0.0025	2.5	0.25	7	83	A0052393
		Rubble, lost core from 126-128, irregular qtz veins among this zone.				119.0	120.0	1	0.0025	2.5	0.25	7	82	A0052394
		sharp lower contact				120.0	121.0	1	0.0025	2.5	0.25	9	92	A0052395
						121.0	122.0	1	0.0025	2.5	0.25	6	86	A0052396
						122.0	123.0	1	0.0025	2.5	0.25	7	75	A0052397
						123.0	124.0	1	0.0025	2.5	0.25	10	86	A0052399

Project: Van Horne

Hole Number: VH19-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						124.0	125.0	1	0.0025	2.5	0.25	16	89	A0052400
						125.0	126.0	1	0.0025	2.5	0.25	16	81	A0052401
						126.0	127.0	1	0.0025	2.5	0.25	4	64	A0052402
						127.0	128.0	1	0.0025	2.5	0.25	2	75	A0052403
						128.0	129.0	1	0.0025	2.5	0.25	13	87	A0052404
						129.0	130.0	1	0.0025	2.5	0.25	11	76	A0052405
						130.0	131.0	1	0.0025	2.5	0.25	15	78	A0052406
						131.0	132.0	1	0.0025	2.5	0.25	11	69	A0052407
						132.0	133.0	1	0.0025	2.5	0.25	11	75	A0052408
						133.0	134.0	1	0.0025	2.5	0.25	12	79	A0052409
						134.0	134.65	0.65	0.0025	2.5	0.25	16	75	A0052410
134.65	137.36	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREEN-GREY	134.65	136.0	1.35	0.0025	2.5	0.25	40	181	A0052412
aphantic matrix with coarse grained black phenos, likely mafic intrusion, weak dark green tinge, sharp upper contact gradational lower contact.						136.0	137.36	1.36	0.0025	6	0.25	33	197	A0052413
pervasive weak carb alteration, with occasional irregular carb fractures.														
137.36	174.9	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	GREY	137.36	138.0	0.64	0.0025	2.5	0.25	13	103	A0052414
fine grain to aphanitic, grey to light grey, occasional carb fractures, similar to unit seen at 116.29-134.65						138.0	139.0	1	0.0025	2.5	0.25	18	86	A0052415
fracture zone from 141.78-145.45m made up of occasional 1cm qtz veins and irregular qtz-carb fractures.						139.0	140.0	1	0.0025	2.5	0.25	17	86	A0052416
areas of unit display sets of hairline fractures 159.9-161m						140.0	141.0	1	0.0025	2.5	0.25	17	69	A0052417
163-166 unit appears fine grained.						141.0	142.0	1	0.0025	2.5	0.25	16	93	A0052418
strong sil alteration near lower contact						142.0	143.0	1	0.0025	2.5	0.25	15	82	A0052419
						143.0	144.0	1	0.0025	2.5	0.25	12	95	A0052420
						144.0	145.0	1	0.0025	2.5	0.25	40	138	A0052421
						145.0	146.0	1	0.0025	2.5	0.25	11	109	A0052422
						146.0	147.0	1	0.0025	2.5	0.25	2	75	A0052423
						147.0	148.0	1	0.0025	2.5	0.25	6	76	A0052425
						148.0	149.0	1	0.0025	2.5	0.25	10	85	A0052426
						149.0	150.0	1	0.0025	2.5	0.25	4	78	A0052427
						150.0	151.0	1	0.0025	2.5	0.25	7	90	A0052428
						151.0	152.0	1	0.0025	2.5	0.25	8	101	A0052429

Project: Van Horne Hole Number: VH19-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
	152.0					152.0	153.0	1	0.0025	2.5	0.25	16	122	A0052430
	153.0					153.0	154.0	1	0.0025	2.5	0.25	12	61	A0052431
	154.0					154.0	155.0	1	0.0025	2.5	0.25	7	59	A0052432
	155.0					155.0	156.0	1	0.0025	2.5	0.25	2	55	A0052433
	156.0					156.0	157.05	1.05	0.0025	2.5	0.25	17	83	A0052434
	157.05					157.05	158.0	0.95	0.0025	2.5	0.25	8	56	A0052435
	158.0					158.0	159.0	1	0.0025	2.5	0.25	6	68	A0052436
	159.0					159.0	160.0	1	0.0025	8	0.25	9	82	A0052438
	160.0					160.0	161.0	1	0.0025	2.5	0.25	11	80	A0052439
	161.0					161.0	162.0	1	0.0025	2.5	0.25	27	85	A0052440
	162.0					162.0	163.0	1	0.0025	2.5	0.25	2	90	A0052441
	163.0					163.0	164.0	1	0.0025	2.5	0.25	5	90	A0052442
	164.0					164.0	165.0	1	0.0025	2.5	0.25	6	93	A0052443
	165.0					165.0	166.0	1	0.0025	2.5	0.25	3	96	A0052444
	166.0					166.0	167.0	1	0.0025	2.5	0.25	4	94	A0052445
	167.0					167.0	168.0	1	0.0025	2.5	0.25	9	77	A0052446
	168.0					168.0	169.0	1	0.0025	2.5	0.25	4	76	A0052447
	169.0					169.0	170.0	1	0.0025	2.5	0.25	4	81	A0052448
	170.0					170.0	171.0	1	0.0025	2.5	0.25	6	89	A0052449
	171.0					171.0	172.0	1	0.0025	2.5	0.25	7	85	A0052451
	172.0					172.0	173.0	1	0.0025	2.5	0.25	11	88	A0052452
	173.0					173.0	174.0	1	0.0025	2.5	0.25	3	80	A0052453
	174.0					174.0	174.9	0.9	0.0025	2.5	0.25	28	56	A0052454
174.9	176.35	MI, MAFIC INTRUSIVE	MASSIVE	FINE	GREEN-GREY	174.9	176.35	1.45	0.0025	5	0.25	30	142	A0052455
fine grained, occasional carb fractures, dark grey-green, mafic intrusion, sharp upper contact with gradational lower contact. irregular qtz-carb-tor vein proximal to upper contact (174.9m)														
176.35	202.64	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	GREY	176.35	177.0	0.65	0.0025	2.5	0.25	10	52	A0052456
Grey, fine grained to aphanitic, intermediate volcanics, gradational upper and lower contacts.														
						177.0	178.0	1	0.0025	2.5	0.25	5	50	A0052457
pervasive strong silica alteration, occasional carb fractures, and irregular carb alteration, chl alteration occasionally occurring along margins of chl fractures.														
						178.0	179.0	1	0.0025	2.5	0.25	8	71	A0052458

Project: Van Horne

Hole Number: VH19-007

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
similar to unit seen at (116.29-134.65, 137.36-174.83),						179.0	180.0	1	0.0025	2.5	0.25	12	81	A0052459
196.08-202.64m has higher abundance of qtz-plag phenos, stronger carb alteration and a weak green tinge.						180.0	181.0	1	0.0025	2.5	0.25	6	86	A0052460
						181.0	182.0	1	0.0025	2.5	0.25	7	67	A0052461
						182.0	183.0	1	0.0025	2.5	0.25	6	75	A0052462
						183.0	184.0	1	0.0025	2.5	0.25	11	80	A0052464
						184.0	185.0	1	0.0025	2.5	0.25	15	69	A0052465
						185.0	186.0	1	0.0025	2.5	0.25	11	64	A0052466
						186.0	187.0	1	0.0025	2.5	0.25	2	60	A0052467
						187.0	188.0	1	0.0025	2.5	0.25	3	48	A0052468
						188.0	189.0	1	0.0025	2.5	0.25	9	66	A0052469
						189.0	190.0	1	0.0025	2.5	0.25	8	68	A0052470
						190.0	191.0	1	0.0025	2.5	0.25	7	78	A0052471
						191.0	192.0	1	0.0025	2.5	0.25	10	79	A0052472
						192.0	193.0	1	0.0025	2.5	0.25	7	74	A0052473
						193.0	194.0	1	0.0025	2.5	0.25	10	66	A0052474
						194.0	195.0	1	0.0025	2.5	0.25	13	52	A0052475
						195.0	196.0	1	0.0025	2.5	0.25	9	45	A0052477
						196.0	197.0	1	0.0025	6	0.25	32	108	A0052478
						197.0	198.0	1	0.0025	2.5	0.25	34	91	A0052479
						198.0	199.0	1	0.0025	6	0.25	18	65	A0052480
						199.0	200.0	1	0.0025	2.5	0.25	20	116	A0052481
						200.0	201.0	1	0.0025	2.5	0.25	33	112	A0052482
						201.0	202.0	1	0.0025	2.5	0.25	41	91	A0052483
						202.0	202.64	0.64	0.0025	2.5	0.25	38	92	A0052484
202.64	206.28	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	LIGHT GREEN	202.64	204.0	1.36	0.0025	2.5	0.25	56	97	A0052485
light green, fine grained, gradational contacts, weak foliation displayed in some areas, abundance fine grained qtz-plag grains. occasional qtz-carb veinlets.						204.0	205.0	1	0.0025	5	0.25	66	112	A0052486
						205.0	206.28	1.28	0.0025	2.5	0.25	43	119	A0052487
206.28	210	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREEN-GREY	206.28	207.0	0.72	0.0025	2.5	0.25	43	93	A0052488
green-grey, fine grained, intermediate volcanics, strongly altered and weakly deformed.						207.0	208.0	1	0.042	12	0.25	37	86	A0052490
Unit displays semi-pervasive carb alteration moderate, weak semi-pervasive chl-epi alteration, occasional carb fractures,						208.0	209.0	1	0.0025	6	0.25	28	91	A0052491
						209.0	210.0	1	0.0025	5	0.25	12	100	A0052492

Project: Van Horne	Hole Number: VH19-007
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
------	----	-----------	---------	------------	--------	------	----	--------	----	----	----	----	----	--------

unit is softer when scratched.

210	219	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREY
------------	------------	----------------------------------	---------	-----------	-----------

Dark grey intermediate volcanic flow, massive in texture. From 210 - 212.62 there is intense carbonate alteration appearing as pervasive and blebby phenocrysts, there is also moderate pervasive chlorite alteration

From 212.68 - 219 m there is also carbonate alteration but it is less intense than the previous section, and the pervasive chlorite alteration is now minor.

1-2 cm quartz carbonate veins appear throughout the whole section.

Project: Van Horne

Hole Number: VH19-008

Drill Hole

Prospect: VH-GLATZ
Year: 2019
Hole Size: NQ
Orient: ACT III
Hole Status: COMPLETE
Operator: KGC EXPLORATION
Geologist: MIKE ROBERTS
Casing Depth: 4
EOH: 218.42
Logged Depth: 218.42

Drilling

Start Date: Sep-03-2019
End Date: Sep-06-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 505,365
Northing: 5,508,203
Elevation: 350

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
------	----	-----------	---------	------------	--------	------	----	--------	----	----	----	----	----	--------

0 4.25 OB, OVERBURDEN

Casing to 3m
 4-5 m broken rubble

4.25 6.88 IV, INTERMEDIATE VOLCANIC	TUFFACEOUS	FINE	DARK GREEN	4.25	5.0	0.75	0.009	2.5	0.25	38	109	A0052493
--	------------	------	------------	------	-----	------	-------	-----	------	----	-----	----------

Fine grained equigranular ash dacite tuff. <1mm fine rounded phenocrysts in a weakly silicified lithology. 5-10% calcite and quartz carbonate stringers throughout.
 From 6.42 to 6.48 qv at 51 dca then unit becomes 50% brecciated tuff intermixed with qfp below. (brecciated chill margin. 1% fracture filling py throughout. Lower contact brecciated at 51 dca.

6.88 19.75 QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	APHANITIC	CREAM	6.88	7.63	0.75	0.922	9	0.25	49	122	A0052496
---	-------------	-----------	-------	------	------	------	-------	---	------	----	-----	----------

<1-1mm subangular quartz and feldspar phenocrysts in a creamy very light orange with very light green tinged quartz matrix. 1% finely disseminated py and magnetite cubes throughout. Very weak sericite alteration. Lower contact sericitized at 42 dca.
 Several cross cutting quartz veins and stringers with 1% py from 6.88 to 8.22m.

				7.63	8.22	0.59	0.524	13	0.25	32	63	A0052497
				8.22	9.0	0.78	0.076	2.5	0.25	16	31	A0052498
				9.0	10.0	1	0.09	2.5	0.25	13	32	A0052499
				10.0	11.0	1	0.027	7	0.25	13	40	A0052500
				11.0	12.0	1	0.058	2.5	0.25	12	34	A0052501
				12.0	13.0	1	0.161	2.5	0.25	15	33	A0052503
				13.0	14.0	1	0.188	2.5	0.25	10	30	A0052504
				14.0	15.0	1	0.302	2.5	0.25	13	34	A0052505
				15.0	16.0	1	0.731	2.5	0.25	11	39	A0052506
				16.0	17.0	1	0.155	2.5	0.25	13	35	A0052507
				17.0	18.0	1	0.079	2.5	0.25	11	34	A0052508
				18.0	19.0	1	0.575	2.5	0.25	10	36	A0052509
				19.0	19.75	0.75	0.468	2.5	0.25	11	31	A0052510

Project: Van Horne

Hole Number: VH19-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
19.75	51.56	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	19.75	20.5	0.75	0.01	2.5	0.25	43	95	A0052511
1-5mm angular clasts foliated at ~50 dca in a very weakly silicified mafic to intermediate host rock which is fine to very fine grained. Local weak sericite and calcite alteration. Trace fracture filling py throughout. Lower contact sharp at 33 dca.						20.5	21.0	0.5	0.0025	7	0.25	50	91	A0052512
						21.0	22.0	1	0.0025	2.5	0.25	51	92	A0052513
						22.0	23.0	1	0.0025	2.5	0.25	82	99	A0052514
						23.0	24.0	1	0.006	2.5	0.25	131	95	A0052516
						24.0	25.0	1	0.0025	2.5	0.25	75	90	A0052517
						25.0	26.0	1	0.0025	2.5	0.25	19	92	A0052518
						26.0	27.0	1	0.0025	2.5	0.25	4	88	A0052519
						27.0	28.0	1	0.005	2.5	0.25	8	86	A0052520
						28.0	29.0	1	0.047	2.5	0.25	53	90	A0052521
						29.0	30.0	1	0.0025	2.5	0.25	35	92	A0052522
						30.0	31.0	1	0.0025	2.5	0.25	5	96	A0052523
						31.0	32.0	1	0.0025	2.5	0.25	30	95	A0052524
						32.0	33.0	1	0.0025	2.5	0.25	32	105	A0052525
						33.0	34.0	1	0.0025	5	0.25	41	96	A0052526
						34.0	35.0	1	0.0025	2.5	0.25	75	103	A0052527
						35.0	36.0	1	0.0025	2.5	0.25	59	113	A0052529
						36.0	37.0	1	0.0025	2.5	0.25	61	102	A0052530
						37.0	38.0	1	0.0025	2.5	0.25	37	103	A0052531
						38.0	39.0	1	0.0025	2.5	0.25	10	108	A0052532
						39.0	40.0	1	0.0025	2.5	0.25	1	98	A0052533
40.0	41.0	1	0.0025	5	0.25	1	107	A0052534						
41.0	42.0	1	0.0025	2.5	0.25	1	103	A0052535						
42.0	43.0	1	0.0025	2.5	0.25	5	110	A0052536						
43.0	44.0	1	0.0025	2.5	0.25	18	112	A0052537						
44.0	45.0	1	0.005	2.5	0.25	21	117	A0052538						
45.0	46.0	1	0.0025	5	0.25	22	112	A0052539						
46.0	47.0	1	0.0025	2.5	0.25	16	117	A0052540						
47.0	48.0	1	0.0025	9	0.25	4	136	A0052542						
48.0	49.0	1	0.0025	6	0.25	22	110	A0052543						
49.0	50.0	1	0.0025	2.5	0.25	29	94	A0052544						

Project: Van Horne							Hole Number: VH19-008							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						50.0	51.0	1	0.0025	2.5	0.25	43	133	A0052545
						51.0	51.56	0.56	0.006	9	0.25	41	112	A0052546
51.56	53.58	ID, INTERMEDIATE DYKE	PORPHYRITIC	VERY FINE	DARK GREEN	51.56	52.55	0.99	0.006	6	0.25	28	121	A0052547
1mm stretched feldspar phenocrysts in a dark green/purple fine grained silicified matrix. 1-2% very fine grained disseminated py throughout. Lower contact irregular at 19 dca.						52.55	53.58	1.03	0.016	6	1.1	670	115	A0052548
53.58	58.37	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	53.58	54.25	0.67	0.0025	2.5	0.25	98	119	A0052549
1-5mm angular clasts in a dark green fine grained host rock. similar to previous volcaniclastic.						54.25	55.0	0.75	0.0025	2.5	0.25	32	112	A0052550
						55.0	56.0	1	0.0025	2.5	0.25	38	116	A0052551
						56.0	57.0	1	0.0025	2.5	0.25	17	112	A0052552
						57.0	58.37	1.37	0.0025	2.5	0.25	13	120	A0052553
58.37	60	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	LIGHT GREEN	58.37	59.0	0.63	0.569	10	0.25	17	90	A0052555
Deformation Shear zone. Unit is very light green with orange tinge due to strong sericite alteration and orthoclase potassic replacement. Unit consists of weakly sheared stretched clasts with numerous quartz veins and dyking as described from: 58.69 to 58.80 quartz and cherty vein at 46 dca. from 58.96 to 59.57 quartz feldspar porphyry at 50 to 55 dca. from 59.57 to 59.65 quartz vein at 55 dca. Note no beta angles recorded but quartz and dyke appear to come in from the north west. 2% very fine grained disseminated pyrite throughout.						59.0	60.0	1	0.837	12	0.25	25	67	A0052556

Project: Van Horne

Hole Number: VH19-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
60	97.31	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	60.0	61.0	1	0.257	7	0.25	10	105	A0052557
Weak to moderate deformation zone.														
Light green (sericite or epidote altered) well foliated clasts in a dark green host rock.														
Unit not as altered as previous unit. Numerous quartz veins throughout but no beta angle to record. Veins appear to cross cut from the north west including from; 61.89 to 61.94 at 36 dca. from 65.11 to 65.14 at 59 dca. from 68.46 to 68.53 at 38 dca, from 68.81 to 69.00 at 15 dca with 3% py 1% po/aspy from 70.23 to 70.21 at 39 dca from 73.44 to 73.5 at 51 dca. from 74.67 to 74.73 at 47 dca. 81.42 to 81.47 at 45 dca. from 89.02 to 89.07 sericite quartz carbonate vein at 38 dca. from 96.77 to 96.93 quartz carbonate tourmaline vein at 39 dca from 97.15 to 97.24 quartz carbonate vein with 3% py/po at 39 dca.														
Unit has rusty faults at 61.94 to 62.20 at 36 dca from 68.61 to 68.68 at 37 dca. and 76.85 to 76.95 at 145 dca.														
Unit has 1% fracture filling py throughout														
						61.0	62.0	1	0.062	6	0.25	30	123	A0052558
						62.0	63.0	1	0.028	10	0.25	26	132	A0052559
						63.0	64.0	1	0.012	5	0.25	28	121	A0052560
						64.0	65.0	1	0.03	2.5	0.25	33	127	A0052561
						65.0	66.0	1	1.63	11	0.6	17	81	A0052562
						66.0	67.0	1	0.042	8	0.25	28	127	A0052563
						67.0	68.0	1	0.601	10	0.6	16	134	A0052564
						68.0	69.0	1	3.49	19	0.8	35	114	A0052565
						69.0	70.0	1	3.26	16	1.1	71	120	A0052566
						70.0	71.0	1	16.4	7	0.8	60	100	A0052568
						71.0	72.0	1	2.87	2.5	0.5	69	119	A0052569
						72.0	73.0	1	2.55	6	0.25	83	137	A0052570
						73.0	74.0	1	0.093	5	0.25	77	112	A0052571
						74.0	75.0	1	0.147	2.5	0.25	72	97	A0052572
						75.0	76.0	1	0.012	2.5	0.25	81	122	A0052573
						76.0	77.0	1	1.46	9	0.25	73	123	A0052574
						77.0	78.0	1	0.008	7	0.25	79	115	A0052575
						78.0	79.0	1	0.005	8	0.25	74	106	A0052576
						79.0	80.0	1	0.0025	7	0.25	77	111	A0052577
						80.0	81.0	1	0.006	2.5	0.25	81	119	A0052578
						81.0	82.0	1	1.635	8	0.6	82	99	A0052579
						82.0	83.0	1	0.005	6	0.25	91	141	A0052581
						83.0	84.0	1	0.007	2.5	0.25	85	128	A0052582
						84.0	85.0	1	0.0025	2.5	0.25	74	121	A0052583
						85.0	86.0	1	0.0025	5	0.25	76	117	A0052584
						86.0	87.0	1	0.006	6	0.25	71	114	A0052585
						87.0	88.0	1	0.03	2.5	0.25	75	113	A0052586
						88.0	89.0	1	0.014	5	0.25	72	118	A0052587
						89.0	90.0	1	0.138	2.5	0.25	59	104	A0052588
						90.0	91.0	1	0.94	9	0.25	74	103	A0052589

Project: Van Horne

Hole Number: VH19-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						91.0	92.0	1	0.31	8	0.25	84	107	A0052590
						92.0	93.0	1	0.006	2.5	0.25	69	114	A0052591
						93.0	94.0	1	0.0025	5	0.25	71	103	A0052592
						94.0	95.0	1	0.882	10	0.25	76	96	A0052594
						95.0	96.0	1	7.74	8	0.9	89	130	A0052595
						96.0	96.7	0.7	1.345	9	0.25	74	93	A0052596
						96.7	97.31	0.61	1.075	5	0.5	59	93	A0052597
97.31	103.95	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	97.31	98.0	0.69	0.38	2.5	0.25	9	21	A0052598
		Creamy orange (orthoclase) colour. <1mm feldspar and quartz rounded phenocrysts in a glassy quartz matrix. 1% very fine grained disseminated pyrite throughout . A few 1-3mm quartz veinlets throughout.				98.0	99.0	1	0.02	2.5	0.25	3	19	A0052599
						99.0	100.0	1	0.028	2.5	0.25	5	20	A0052600
						100.0	101.0	1	0.017	2.5	0.25	10	22	A0052601
						101.0	102.0	1	0.053	8	0.25	6	19	A0052602
						102.0	103.0	1	0.057	7	0.25	4	21	A0052603
						103.0	103.95	0.95	0.025	5	0.25	4	20	A0052604
103.95	114.14	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	103.95	105.0	1.05	0.575	8	0.5	128	69	A0052605
		Light green (sericite and calcite tinge) clasts within a dark green host rock. Similar to previous volcaniclastic but lacking qv's and faulting.				105.0	106.0	1	0.065	6	0.25	89	92	A0052607
						106.0	107.0	1	0.043	2.5	0.25	88	130	A0052608
						107.0	108.0	1	0.005	6	0.25	87	151	A0052609
						108.0	109.0	1	0.006	7	0.5	108	149	A0052610
						109.0	110.0	1	0.0025	6	0.25	102	164	A0052611
						110.0	111.0	1	0.005	2.5	0.25	80	172	A0052612
						111.0	112.0	1	0.0025	7	0.25	82	96	A0052613
						112.0	113.0	1	0.006	7	0.25	101	102	A0052614
						113.0	114.0	1	0.061	2.5	0.5	65	171	A0052615
						114.0	115.0	1	0.0025	2.5	0.25	46	69	A0052616

Project: Van Horne							Hole Number: VH19-008							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
114.14	122.87	IV, INTERMEDIATE VOLCANIC	TUFFACEOUS	FINE	DARK GREEN	114.0	115.0	1	0.0025	2.5	0.25	46	69	A0052616
Dark green mostly massive ash tuff with carbonate replacement of ashly element into a mottled unit moderately silicified and calc carbonated.						115.0	116.0	1	0.016	2.5	0.25	19	64	A0052617
						116.0	117.0	1	0.113	2.5	0.25	12	129	A0052618
						117.0	118.0	1	0.012	2.5	0.25	11	62	A0052620
						118.0	119.0	1	0.0025	2.5	0.25	6	70	A0052621
						119.0	120.0	1	0.015	2.5	0.25	4	65	A0052622
						120.0	121.0	1	0.009	2.5	0.25	15	69	A0052623
						121.0	122.0	1	0.033	2.5	0.25	12	91	A0052624
						122.0	122.87	0.87	0.0025	2.5	0.25	13	87	A0052625
122.87	127.53	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	122.87	124.0	1.13	0.0025	2.5	0.25	25	120	A0052626
1-5 mm stretched clasts in a dark green fine grained host rock. Unit is weak to moderate altered with sericite and calcite. Broken and blocky from 125.61 to 127 but likely due to bit change. From 127 to 127.53 strongly deformed with up to 5% pyrite. Lower contact at 62 DCA.						124.0	125.0	1	0.006	2.5	0.25	17	119	A0052627
						125.0	126.0	1	0.0025	2.5	0.25	14	79	A0052628
						126.0	127.0	1	0.006	2.5	0.25	30	113	A0052629
						127.0	127.53	0.53	0.3	2.5	0.25	81	86	A0052630
127.53	132.51	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	127.53	128.5	0.97	0.192	2.5	0.25	10	20	A0052631
Creamy Orange <1 mm quartz and feldspar phenocrysts in a glassy quartz matrix. Numerous stringers and veinlets throughout. 1% very fine grained disseminated pyrite.						128.5	129.5	1	0.188	2.5	0.25	5	18	A0052633
						129.5	130.5	1	0.287	2.5	0.25	6	22	A0052634
						130.5	131.5	1	0.074	2.5	0.25	7	22	A0052635
						131.5	132.51	1.01	0.372	2.5	0.25	5	25	A0052636
132.51	139.54	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	132.51	133.5	0.99	0.841	2.5	0.25	14	49	A0052637
1 - 3 mm stretched clasts. Weak alteration of sericite and calcite. 1-2 % pyrite disseminated pyrite within host rock.						133.5	134.5	1	0.052	2.5	0.25	13	52	A0052638
						134.5	135.5	1	0.015	2.5	0.25	11	72	A0052639
						135.5	136.5	1	0.037	2.5	0.25	14	67	A0052640
						136.5	137.5	1	0.027	2.5	0.25	13	73	A0052641
						137.5	138.5	1	0.017	2.5	0.25	15	84	A0052642
						138.5	139.54	1.04	0.019	2.5	0.25	33	75	A0052643
139.54	140.4	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	CREAM	139.54	140.4	0.86	0.009	2.5	0.25	20	78	A0052644
Deformation Zone. Clasts are larger and elongated. Clasts are overprinted by moderate to strong sericite and orthoclase (potassium) alteration. <1 mm round replacement magnetite throughout.														

Project: Van Horne							Hole Number: VH19-008							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
140.4	153.37	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICITIC	FINE	DARK GREEN	140.4	141.0	0.6	0.007	8	0.25	44	140	A0052646
Stretched and elongated clasts. From 144 - 150.37 rock appears to be grading to ash tuff, with 60% tuff beds. 2% disseminated pyrite within host rock. Moderate sericite alteration within host rock; moderate calcite, chlorite and sericite alteration along quartz veins. From 147 - 148 60% stock work veins. From 149-8 to 150.37 Silicified brecciated quartz chill margin, with 5 % pyrite.						141.0	142.0	1	0.014	5	0.25	116	253	A0052647
						142.0	143.0	1	0.011	2.5	0.25	29	173	A0052648
						143.0	144.0	1	0.006	2.5	0.25	41	139	A0052649
						144.0	145.0	1	0.015	2.5	0.25	42	121	A0052650
						145.0	146.0	1	0.219	2.5	0.25	17	68	A0052651
						146.0	147.0	1	0.014	2.5	0.25	16	76	A0052652
						147.0	147.87	0.87	0.015	2.5	0.25	11	79	A0052653
						147.87	149.0	1.13	0.008	2.5	0.25	25	83	A0052654
						149.0	149.8	0.8	0.0025	2.5	0.25	14	76	A0052655
						149.8	150.37	0.57	1.215	5	0.25	92	166	A0052656
						150.37	151.0	0.63	0.035	2.5	0.25	24	23	A0052657
						151.0	152.0	1	0.066	2.5	0.25	14	24	A0052659
						152.0	153.0	1	0.102	2.5	0.25	9	25	A0052660
						153.0	154.0	1	0.055	2.5	0.25	8	26	A0052661
153.37	161.8	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	153.0	154.0	1	0.055	2.5	0.25	8	26	A0052661
Porphyritic feldspars, and minor quartz eyes. Minor Chlorite stringer veins throughout rock, minor quartz carbonate veins throughout. 1% disseminated pyrite throughout host rock.						154.0	155.0	1	0.046	2.5	0.25	13	26	A0052662
						155.0	156.0	1	0.057	2.5	0.25	2	26	A0052663
						156.0	157.0	1	0.295	2.5	0.25	2	24	A0052664
						157.0	158.0	1	0.356	2.5	0.25	3	23	A0052665
						158.0	159.0	1	0.422	2.5	0.25	2	24	A0052666
						159.0	160.0	1	0.181	2.5	0.25	2	23	A0052667
						160.0	161.0	1	0.236	2.5	0.25	2	25	A0052668
						161.0	161.8	0.8	0.152	2.5	0.25	1	26	A0052669
161.8	163.07	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICITIC	FINE	DARK GREEN	161.8	162.48	0.68	0.019	2.5	0.25	42	119	A0052670
Clasts 1-9 mm, rounded and stretched. Minor 1-3 mm quartz carbonate veins present. Sharp upper and lower contact of QFP. Trace disseminated and vein-fill pyrite present.						162.48	163.07	0.59	0.069	5	0.25	58	105	A0052672
163.07	164.72	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	163.07	164.0	0.93	0.142	2.5	0.25	44	26	A0052673
Porphyritic feldspar grains and quartz eyes. Minor vuggy 1 - 5 mm quartz carbonate veins. Minor chlorite veinlets present. Trace disseminated pyrite present.						164.0	164.72	0.72	0.012	2.5	0.25	6	24	A0052674

Project: Van Horne	Hole Number: VH19-008
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
164.72	165.9	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	164.72	165.9	1.18	0.115	2.5	0.25	26	55	A0052675
Clasts are more elongated and stretched than rounded. Sharp upper and lower contact of QFP. 1% disseminated pyrite within host rock.														
165.9	172.55	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	165.9	167.0	1.1	0.076	2.5	0.25	6	25	A0052676
Porphyritic Feldspar grains and minor quartz eyes. 1-4 mm quartz carbonate veins with fracture fill chlorite and 2-3% vein-fill pyrite within vein margins. 1% disseminated pyrite within host rock. Sharp upper contact with Intermediate Volcaniclastic and gradual lower contact with Intermediate Volcaniclastic. Minor alteration zone from 170.36 - 170.43m, brecciated porphyry with multiple chlorite veinlets with 1-3 % blebby pyrite.														
						167.0	168.0	1	0.027	2.5	0.25	3	26	A0052677
						168.0	169.0	1	0.049	2.5	0.25	6	26	A0052678
						169.0	170.0	1	0.722	2.5	0.25	8	23	A0052679
						170.0	171.0	1	0.073	2.5	0.25	14	27	A0052680
						171.0	172.0	1	0.223	2.5	0.25	7	24	A0052681
						172.0	172.55	0.55	0.019	2.5	0.25	4	23	A0052682

Project: Van Horne

Hole Number: VH19-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
172.55	208.5	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	DARK GREEN	172.55	173.19	0.64	0.715	6	0.6	19	94	A0052683
Massive Intermediate flow which appears to be "healed breccia" with fracture-filling pyrite, chlorite and sericite. Thin veinlets of chlorite run throughout the entire host rock. Thin 2mm stringer veins of pyrite run throughout the rock in no discernible pattern. Some pyrite replaced by magnetite. From 173.72 - 174.56m the massive intermediate flow shows no signs of brecciation and retains a massive texture. but shows similar amounts of disseminated pyrite to the majority of the host rock. The upper and lower contacts are both sharp. From 178.53 - 178.88m, a feldspar porphyry is present with rounded feldspar clasts. The lower and upper contact between the FP and IV is sharp and defined by the lack of feldspar phenocrysts. Similar "healed brecciated" texture continues until 208.5 m.						173.19	174.0	0.81	0.192	2.5	0.25	20	692	A0052685
						174.0	174.56	0.56	0.0025	2.5	0.25	18	174	A0052686
From 189.57 - 191.67m there are 2 - 9 cm quartz carbonate veins which contain 1% blebby pyrite along the margin. The first vein at 189.57 - 189.66 has tr visible gold along the quartz margin.						174.56	175.0	0.44	12.1	2.5	1.3	14	201	A0052687
						175.0	176.0	1	0.159	2.5	0.25	14	162	A0052688
						176.0	177.0	1	0.021	6	1.1	10	126	A0052689
						177.0	178.0	1	0.384	9	0.25	23	109	A0052690
						178.0	179.0	1	0.016	6	0.25	10	88	A0052691
						179.0	180.0	1	0.135	19	0.9	22	160	A0052692
						180.0	181.0	1	0.636	12	0.25	12	72	A0052693
						181.0	182.0	1	0.013	11	0.25	20	129	A0052694
						182.0	183.0	1	0.022	15	0.25	22	202	A0052695
						183.0	184.07	1.07	0.214	18	0.25	13	83	A0052696
						184.07	185.0	0.93	0.849	6	0.5	19	64	A0052698
						185.0	186.0	1	0.01	5	0.25	18	98	A0052699
						186.0	187.0	1	0.01	9	0.5	16	111	A0052700
						187.0	188.0	1	0.012	2.5	0.25	18	107	A0052701
						188.0	189.0	1	0.814	2.5	0.25	15	89	A0052702
						189.0	189.52	0.52	0.209	2.5	0.25	30	89	A0052703
						189.52	190.0	0.48	2.73	5	0.8	7	46	A0052704
						190.0	191.0	1	1.695	14	0.7	9	49	A0052705
						191.0	192.0	1	1.02	2.5	0.7	9	50	A0052706
						192.0	193.0	1	1.12	2.5	0.6	21	69	A0052707
						193.0	194.0	1	0.196	2.5	0.25	23	71	A0052708
						194.0	195.0	1	0.44	2.5	0.5	13	66	A0052709
						195.0	196.0	1	0.007	2.5	0.25	14	88	A0052711
						196.0	197.0	1	0.319	2.5	0.5	16	60	A0052712
						197.0	198.0	1	0.316	2.5	0.25	13	83	A0052713
						198.0	199.0	1	0.036	2.5	0.5	15	81	A0052714
						199.0	200.0	1	0.007	2.5	0.25	16	92	A0052715
						200.0	201.0	1	0.038	2.5	0.25	17	113	A0052716

Project: Van Horne

Hole Number: VH19-008

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
	201.0					202.0	202.0	1	0.017	2.5	0.25	12	74	A0052717
	202.0					203.0	203.0	1	0.005	2.5	0.25	9	74	A0052718
	203.0					204.0	204.0	1	0.516	2.5	0.25	11	76	A0052719
	204.0					205.0	205.0	1	0.005	2.5	0.5	8	79	A0052720
	205.0					206.0	206.0	1	0.027	2.5	0.5	59	108	A0052721
	206.0					207.0	207.0	1	0.069	2.5	0.5	4	98	A0052722
	207.0					208.0	208.0	1	3.36	2.5	0.5	47	144	A0052724
	208.0					208.75	208.75	0.75	0.0025	2.5	0.5	22	144	A0052725
208.5	218.42	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREEN	208.0	208.75	0.75	0.0025	2.5	0.5	22	144	A0052725
Massive intermediate flow differentiated from the previous section due to the lack of the "healed breccia" texture within the rock. 1% disseminated pyrite present and tr fracture-fill pyrite present. From 209.37 - 210.08 m large quartz carbonate vein with chlorite stringers and host rock intermingled within the vein. 1% disseminated pyrite present within the quartz vein. From 210.89 - 211.88 m 2 - 5 cm quartz carbonate veins present with tr disseminated pyrite and moderate chlorite alteration. From 216.72 - 218.10 there is an alteration zone and 4 cm quartz vein with up to 5% blebby pyrite within the quartz vein and the vein margin, and 1% disseminated pyrite throughout the surrounding alteration zones. 218.42 is the end of the hole.														
	208.75					209.37	209.37	0.62	0.008	2.5	0.5	42	178	A0052726
	209.37					210.08	210.08	0.71	0.081	2.5	0.25	18	68	A0052727
	210.08					211.0	211.0	0.92	0.163	2.5	0.25	8	145	A0052728
	211.0					212.0	212.0	1	0.005	2.5	0.25	24	140	A0052729
	212.0					213.0	213.0	1	0.0025	2.5	0.25	22	158	A0052730
	213.0					214.0	214.0	1	0.015	2.5	0.25	28	110	A0052731
	214.0					215.0	215.0	1	0.0025	2.5	0.25	24	134	A0052732
	215.0					216.0	216.0	1	0.0025	2.5	0.25	11	99	A0052733
	216.0					217.0	217.0	1	0.026	2.5	0.25	20	130	A0052734
	217.0					218.0	218.0	1	0.423	2.5	0.5	15	92	A0052735
	218.0					218.42	218.42	0.42	0.0025	2.5	0.25	15	103	A0052737

Project: Van Horne	Hole Number: VH19-009
---------------------------	------------------------------

Drill Hole		Drilling		Coordinates	
Prospect: VH-GLATZ	Operator: KGC EXPLORATION	Start Date: Sep-06-2019	Survey Method: HANDHELD GPS	Grid: NAD83 / UTM zone 15N	
Year: 2019	Geologist: PERCY CLARK	End Date: Sep-10-2019	Drill Company: Distinctive Drilling	Easting: 505,377	
Hole Size: NQ	Casing Depth: 9			Northing: 5,508,262	
Orient: ACT III	EOH: 300			Elevation: 350	
Hole Status: COMPLETE	Logged Depth: 300				

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
------	----	-----------	---------	------------	--------	------	----	--------	----	----	----	----	----	--------

0	9.24	OB, OVERBURDEN												
---	------	----------------	--	--	--	--	--	--	--	--	--	--	--	--

9.24	25.56	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	9.24	10.0	0.76	0.0025	2.5	0.25	33	89	A0052738
Intermediate volcanoclastic, clasts are mostly stretched and elongated. Several areas of intense rust present. Areas of 2% blebby pyrite and 1% fracture-fill pyrite present. Quartz carbonate veins at 22.64 - 22.69. 23.22-23.25 and 23.54-23.57. Deformation intensifies towards contact with deformation zone.						10.0	11.0	1	0.005	2.5	0.25	36	105	A0052739
Pervasive moderate sericite, weak fracture-fill chlorite and weak pervasive ankerite present along clasts and fractures.						11.0	12.0	1	0.0025	2.5	0.5	31	109	A0052740
						12.0	13.0	1	0.006	8	0.25	37	112	A0052741
						13.0	14.0	1	0.006	7	0.6	44	119	A0052742
						14.0	15.0	1	0.0025	2.5	0.25	40	115	A0052743
						15.0	16.0	1	0.0025	2.5	0.25	46	100	A0052744
						16.0	17.0	1	0.044	2.5	0.5	70	97	A0052745
						17.0	18.0	1	0.005	2.5	0.5	52	95	A0052746
						18.0	19.0	1	0.006	2.5	0.5	55	136	A0052747
						19.0	20.0	1	0.014	14	0.6	36	126	A0052748
						20.0	21.0	1	0.016	16	0.6	24	113	A0052750
						21.0	22.0	1	0.008	5	0.5	32	108	A0052751
						22.0	23.0	1	0.072	2.5	0.25	42	91	A0052752
						23.0	24.0	1	1.425	8	0.8	53	110	A0052753
						24.0	25.0	1	0.015	2.5	0.7	68	128	A0052754
25.0	25.56	0.56	0.017	5	0.6	36	86	A0052755						

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
25.56	30.64	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	25.56	26.0	0.44	0.053	20	1.3	59	171	A0052756
Intermediate volcaniclastic deformation zone. Appears to be heavily altered with pervasive strong sericite,, moderate fracture-fill chlorite and weak patchy silica. Quartz eyes are present at the start of the deformation zone. A crackle breccia texture is present within the zone, with fracture-fill chlorite present.						26.0	27.0	1	0.031	11	0.6	53	143	A0052757
Heavy amounts of rust appears in and around areas where sulphides have weathered out. Lower contact of the deformation zone is a gradual change to intermediate volcaniclastic which are less altered.						27.0	28.0	1	0.05	6	0.6	50	111	A0052758
1% disseminated and 1% blebby pyrite are present within the deformation zone.						28.0	29.0	1	0.029	8	0.5	46	137	A0052759
						29.0	30.0	1	0.702	8	0.25	36	160	A0052760
						30.0	30.64	0.64	0.958	21	0.8	33	89	A0052761
30.64	51.44	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	30.64	31.24	0.6	0.167	5	0.5	20	176	A0052763
Intermediate volcaniclastic with moderately deformed and elongated clasts. Alteration along the clasts and host rock is moderate pervasive sericite with minor fracture-fill chlorite and minor fracture-fill / pervasive ankerite. The ankerite / hematite staining occurs around weathered out sulphides and fractures.						31.24	32.0	0.76	0.008	6	0.6	31	152	A0052764
The section has 1% disseminated pyrite and trace blebby pyrite throughout the host rock						32.0	33.0	1	2.25	14	0.7	30	160	A0052765
From 36.53 - 36.6m there is a quartz vein with no sulphides but minor amounts of tourmaline. 1-2 cm around the quartz vein is increased sericite alteration.						33.0	34.0	1	0.122	17	0.25	23	180	A0052766
At 40.87m and 41.42m there is shear material which is heavily altered with pervasive sericite and ankerite, and heavily hematite stained. Minor chlorite is also weakly present within fractures.						34.0	35.0	1	0.218	21	0.5	28	153	A0052767
						35.0	36.0	1	0.023	17	0.5	37	232	A0052768
						36.0	37.0	1	0.073	11	0.25	31	209	A0052769
						37.0	38.0	1	0.029	35	0.25	30	178	A0052770
						38.0	39.0	1	0.01	16	0.25	35	202	A0052771
						39.0	40.0	1	0.007	15	0.25	28	186	A0052772
						40.0	41.0	1	0.016	11	0.25	20	209	A0052773
						41.0	42.0	1	0.007	15	0.25	43	149	A0052774
						42.0	43.0	1	0.0025	7	0.25	26	182	A0052776
						43.0	44.0	1	0.0025	2.5	0.25	36	145	A0052777
						44.0	45.0	1	0.0025	7	0.25	27	132	A0052778
						45.0	46.0	1	0.0025	2.5	0.25	29	135	A0052779
						46.0	47.0	1	0.0025	2.5	0.25	60	130	A0052780
						47.0	48.0	1	0.0025	2.5	0.25	131	127	A0052781
						48.0	49.0	1	0.005	5	0.9	748	128	A0052782
						49.0	50.0	1	0.0025	6	0.25	111	114	A0052783
						50.0	51.0	1	0.0025	2.5	0.25	13	104	A0052784
						51.0	52.0	1	0.0025	7	0.25	3	103	A0052785

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
51.44	73.44	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREY	51.0	52.0	1	0.0025	7	0.25	3	103	A0052785
Intermediate Volcaniclastics, clasts are altered and weakly deformed. Overall 1% of the section is quartz carbonate veins. Section is moderately altered with pervasive sericite. Weak fracture-fill chlorite also present along quartz carbonate veins. Quartz veins range from 1-5 cm in width.														
1% disseminated pyrite, trace blebby pyrite and trace fracture-fill pyrite present. Fracture-fill pyrite present mostly within quartz carbonate veins.														
Deformation and alteration intensifies around veins, mostly sericite and chlorite.														
From ~ 69.41 - 73.44 m quartz carbonate veins show more alteration and deformation than before 69.41 m.														
						52.0	53.0	1	0.0025	2.5	0.25	16	96	A0052786
						53.0	54.0	1	0.0025	2.5	0.25	0.5	95	A0052787
						54.0	55.0	1	0.0025	7	0.25	2	89	A0052789
						55.0	56.0	1	0.0025	2.5	0.25	5	91	A0052790
						56.0	57.0	1	0.0025	2.5	0.25	3	97	A0052791
						57.0	58.0	1	0.0025	2.5	0.25	7	90	A0052792
						58.0	59.0	1	0.0025	2.5	0.25	40	87	A0052793
						59.0	60.0	1	0.0025	2.5	0.25	60	95	A0052794
						60.0	61.0	1	0.0025	5	0.25	12	94	A0052795
						61.0	62.0	1	0.0025	2.5	0.25	15	87	A0052796
						62.0	63.0	1	0.0025	2.5	0.25	6	86	A0052797
						63.0	64.0	1	0.0025	5	0.25	70	88	A0052798
						64.0	65.0	1	0.0025	2.5	0.25	36	88	A0052799
						65.0	66.0	1	0.0025	2.5	0.25	94	90	A0052800
						66.0	67.0	1	0.0025	10	0.25	18	99	A0052802
						67.0	68.0	1	0.0025	2.5	0.25	4	88	A0052803
						68.0	69.0	1	0.0025	6	0.25	13	92	A0052804
						69.0	70.0	1	0.0025	2.5	0.25	29	86	A0052805
						70.0	71.0	1	0.005	2.5	0.25	22	94	A0052806
						71.0	72.0	1	0.0025	2.5	0.25	43	101	A0052807
						72.0	72.94	0.94	0.141	5	0.6	75	94	A0052808
						72.94	73.44	0.5	0.403	2.5	0.25	22	96	A0052809

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample	
73.44	84.27	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	73.44	74.0	0.56	0.759	2.5	0.25	5	25	A0052810	
		Quartz Feldspar Porphyry displays quartz eyes and feldspar phenocrysts. The host rock is mostly altered with weak pervasive sericite and moderate pervasive potassic alteration while the quartz carbonate veins contain weak fracture-fill chlorite.													
		Quartz carbonate veins make up 2% of the overall rock, while they contain 1% blebby and trace fracture-fill pyrite, the host rock contains trace disseminated pyrite. The quartz carbonate veins also display minor vuggy texture.													
		The upper contact between the QFP and Intermediate volcaniclastic is sharp while the lower contact between the QFP and Intermediate volcaniclastic is gradual.													
						74.0	75.0	1	0.116	2.5	0.25	9	34	A0052811	
						75.0	76.0	1	0.155	2.5	0.25	9	39	A0052812	
						76.0	77.0	1	0.025	2.5	0.25	10	36	A0052813	
						77.0	78.0	1	0.473	2.5	0.25	9	38	A0052815	
						78.0	79.0	1	0.35	2.5	0.25	8	37	A0052816	
						79.0	80.0	1	0.326	2.5	0.25	10	41	A0052817	
						80.0	81.0	1	0.747	5	0.25	10	42	A0052818	
						81.0	82.0	1	0.625	6	0.25	7	32	A0052819	
						82.0	83.0	1	0.485	8	0.25	11	37	A0052820	
						83.0	83.6	0.6	0.582	2.5	0.25	8	36	A0052821	
						83.6	84.27	0.67	0.425	2.5	0.25	13	35	A0052822	
84.27	90.7	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREY	84.27	85.0	0.73	0.018	2.5	0.25	6	109	A0052823	
		Intermediate volcaniclastic altered mainly to weak pervasive sericite and weak fracture-fill chlorite. Clasts are less abundant than previous sections, and there are a few deformation zones within this section. The largest deformation zone is between 87.21 - 88 m and shows a high amount of intense pervasive sericite alteration and moderate pervasive chlorite alteration around the quartz veins.													
		Overall, quartz carbonate veins make up 1% of the section.													
		Undeformed areas consist of trace disseminated pyrite while the deformation zone contains 1% blebby pyrite and trace disseminated pyrite. The quartz veins contain trace fracture-fill pyrite.													
						85.0	86.0	1	0.0025	2.5	0.25	8	114	A0052824	
						86.0	86.6	0.6	0.0025	2.5	0.25	5	101	A0052825	
						86.6	87.21	0.61	0.0025	2.5	0.25	4	91	A0052826	
						87.21	88.0	0.79	0.141	2.5	0.25	9	84	A0052828	
						88.0	89.0	1	0.022	2.5	0.25	262	106	A0052829	
						89.0	90.0	1	0.088	5	3.7	232	105	A0052830	
						90.0	91.0	1	0.022	6	0.25	150	91	A0052831	

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
90.7	105.5	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	90.0	91.0	1	0.022	6	0.25	150	91	A0052831
Intermediate volcanoclastic unit with weakly deformed clasts. Alteration and deformation increases with proximity to veins, with pervasive sericite, pervasive chlorite and fracture-fill carbonate becoming more intense. Moderate pervasive sericite and weak fracture-fill chlorite are present within the host rock throughout the unit.														
						91.0	92.0	1	0.0025	2.5	0.25	15	91	A0052832
						92.0	93.0	1	0.056	2.5	0.25	8	87	A0052833
A deformation zone from 93.86 - 93.97 m shows an increase to strong sericite alteration, moderate pervasive chlorite and weak fracture-fill carbonate around the present vein.														
						93.0	94.0	1	0.341	2.5	0.25	5	81	A0052834
						94.0	95.0	1	0.0025	5	0.25	4	85	A0052835
1/2 cm - 1cm blebby pyrite make 0.5 % of the unit, with trace disseminated pyrite present as well. Pyrite within the deformation zone jumps to 1% blebby but returns to normal 0.5% within the rest of the unit.														
						95.0	96.0	1	0.0025	5	0.25	1	96	A0052836
At 105.5m there is a contact between the intermediate volcanoclastic and a massive intermediate volcanic unit.														
						96.0	97.0	1	0.0025	2.5	0.25	5	89	A0052837
						97.0	98.0	1	0.0025	2.5	0.25	6	90	A0052838
						98.0	99.0	1	0.0025	2.5	0.25	5	90	A0052839
						99.0	100.0	1	0.005	6	0.25	5	89	A0052841
						100.0	101.0	1	0.083	2.5	0.25	10	87	A0052842
						101.0	102.0	1	0.038	2.5	0.25	5	88	A0052843
						102.0	103.0	1	0.0025	2.5	0.25	3	93	A0052844
						103.0	104.0	1	0.0025	5	0.25	1	94	A0052845
						104.0	105.0	1	0.0025	2.5	0.25	5	95	A0052846
						105.0	105.5	0.5	0.0025	2.5	0.25	1	97	A0052847
105.5	106.66	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREY	105.5	106.0	0.5	0.0025	2.5	0.25	1	98	A0052848
A massive mafic volcanic unit, the upper and lower unit contacts with the intermediate volcanoclastics are moderately sharp. The unit consists of one quartz vein set which makes up 5% of the overall rock unit.														
Trace disseminated pyrite and trace blebby pyrite are present within the host rock, The quartz vein sets show no pyrite.														
Minor patchy tourmaline and minor patchy chlorite present within the quartz veins, weak pervasive sericite alteration seen within host rock.														
The unit is also mildly magnetic.														

Project: Van Horne							Hole Number: VH19-009								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample	
106.66	120.47	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	106.66	107.16	0.5	0.0025	7	0.25	19	113	A0052850	
Intermediate volcanoclastic unit which is less deformed and altered than the previous and proceeding intermediate volcanoclastic units. The overall unit is dark grey with two small deformation zones. Overall, quartz carbonate veins make up 1% of the total unit, with the majority of the alteration in the area around the quartz carbonate veins.						107.16	108.0	0.84	0.008	2.5	0.25	50	117	A0052851	
1% blebby pyrite, trace disseminated pyrite and 1% fracture-fill pyrite is present within the host rock, with 2% fracture-fill pyrite within the deformation zone around quartz veins.						108.0	109.0	1	0.771	7	0.25	18	101	A0052852	
Weak pervasive sericite is present within the host rock, while strong pervasive sericite and moderate fracture-fill carbonate is present within the quartz veins.						109.0	110.0	1	0.701	9	0.25	22	101	A0052854	
The two deformation zones run from 111 - 111.29m and 111.69 - 111.81m. These deformation zones show increased intensity with deformation and alteration to the host rock surrounding quartz veins, with an increased amount of sericite and carbonate alteration. They also show an increased amount of mineralization, specifically pyrite.						110.0	111.0	1	0.032	2.5	0.25	41	96	A0052855	
						111.0	112.0	1	0.545	8	0.25	41	94	A0052856	
						112.0	113.0	1	0.01	2.5	0.25	36	108	A0052857	
						113.0	114.0	1	0.105	6	0.25	39	93	A0052858	
						114.0	115.0	1	0.007	7	0.25	38	97	A0052859	
						115.0	116.0	1	0.232	2.5	0.25	42	95	A0052860	
						116.0	117.0	1	0.16	2.5	0.25	37	99	A0052861	
						117.0	118.0	1	0.316	2.5	0.25	34	101	A0052862	
						118.0	119.0	1	0.007	2.5	0.25	15	104	A0052863	
						119.0	120.0	1	0.266	2.5	0.25	49	91	A0052864	
						120.0	121.0	1	0.013	7	0.25	68	116	A0052865	
120.47	134	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	120.0	121.0	1	0.013	7	0.25	68	116	A0052865	
Intermediate volcanoclastic unit, which is distinct from the previous unit by its increased amount of alteration and deformation of the clasts and host rock. The overall unit is altered by moderate pervasive sericite, weak fracture-fill chlorite and weak fracture-fill carbonate. Alteration and deformation is intensified around quartz carbonate veins.						121.0	122.0	1	0.119	5	0.25	193	103	A0052867	
Quartz carbonate veins make up 0.5% of the total rock unit.						122.0	123.0	1	0.0025	2.5	0.25	30	88	A0052868	
Trace disseminated pyrite, trace fracture-fill pyrite and trace blebby pyrite are found within the rock unit, The blebby pyrite and fracture-fill pyrite increase to 1% within quartz veins within the unit.						123.0	124.0	1	0.0025	2.5	0.25	7	82	A0052869	
						124.0	125.0	1	0.0025	6	0.25	8	83	A0052870	
						125.0	126.0	1	0.013	2.5	0.25	22	80	A0052871	
						126.0	127.0	1	0.0025	2.5	0.25	22	84	A0052872	
						127.0	128.0	1	0.0025	2.5	0.25	15	85	A0052873	
						128.0	129.0	1	0.0025	2.5	0.25	32	85	A0052874	
						129.0	130.0	1	0.0025	2.5	0.25	29	91	A0052875	
						130.0	131.0	1	0.0025	2.5	0.25	37	87	A0052876	
						131.0	132.0	1	0.0025	6	0.25	20	87	A0052877	
						132.0	133.0	1	0.0025	2.5	0.25	16	88	A0052878	
						133.0	134.0	1	0.0025	5	0.25	39	90	A0052880	

Project: Van Horne						Hole Number: VH19-009								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
134	138.22	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	134.0	135.0	1	0.0025	2.5	0.25	83	88	A0052881
Intermediate volcanoclastic unit, clasts are being slightly deformed and altered to mainly moderate patchy silica and weak pervasive sericite.						135.0	136.0	1	0.141	2.5	0.25	75	86	A0052882
Quartz carbonate veins make up 2% of the overall unit, with alteration being similar to the host rock, with not much intensity surrounding them. The quartz veins have weak fracture-fill carbonate along with the weak pervasive sericite.						136.0	137.0	1	0.129	2.5	0.25	34	88	A0052883
Overall, trace disseminated pyrite is the only sulphide present within the host rock and quartz carbonate veins.						137.0	137.57	0.57	0.0025	7	0.25	29	87	A0052884
						137.57	138.22	0.65	0.0025	7	0.25	37	84	A0052885
138.22	141.58	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	VERY FINE	GREEN-GREY	138.22	139.02	0.8	0.005	8	0.25	42	88	A0052886
Intermediate volcanoclastic unit similar to the previous unit with the exception for an overall green tinge of epidote alteration. The main alteration within this unit is strong pervasive epidote with weak pervasive sericite and weak patchy silica. The silica alteration appears to be replacing the clasts within the unit, causing them to stand out compared to the pistachio green host rock.						139.02	140.0	0.98	0.009	9	0.25	32	84	A0052887
A zone from 139.52 - 139.57 has an intense amount of epidote, leaving the rock entirely pistachio green, which surrounds a quartz vein. The quartz vein has a small amount of weak fracture-fill carbonate alteration. This quartz vein is one of two in the whole unit, and is the largest at 2 cm.						140.0	141.0	1	0.01	8	0.25	39	88	A0052888
Overall, the unit has very little sulphides left, with trace disseminated pyrite being present.						141.0	141.58	0.58	0.0025	5	0.25	40	86	A0052889
A note from Mike is that this section has feldspar phenocrysts and looks like a gabbroic unit, but remarked that there is not any gabbroic units noted within the last hole.. The epidote alteration may also indicate that this unit is a mafic volcanoclastic rather than intermediate.														
141.58	146	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	141.58	142.08	0.5	0.0025	2.5	0.25	41	82	A0052890
Intermediate volcanoclastic unit, the main alteration within the unit is weak pervasive sericite, followed by weak fracture-fill chlorite and weak patchy silica. The clasts within this unit are elongated and deformed, and appeared to be altering to silica.						142.08	143.0	0.92	0.286	5	0.25	39	82	A0052891
Overall, the unit is made up of 1% quartz carbonate veins, with alteration around the veins increasing in intensity. The main alteration within the quartz vein is weak fracture-fill chlorite and weak pervasive sericite. The sericite appears as a "halo" around the quartz veins, while the chlorite is filling the fractures along the margin of the quartz veins. Trace fracture-fill pyrite and 1% blebby pyrite are found around the quartz vein and within the quartz vein margin.						143.0	144.0	1	0.0025	2.5	0.25	24	82	A0052893
Within the unit, 1% blebby pyrite can be found, trace fracture-fill pyrite is restricted to the quartz veins.						144.0	145.0	1	0.015	2.5	0.25	9	99	A0052894
Deformation and alteration increase with proximity to the sharp contact with the deformation zone at 146m.						145.0	146.0	1	0.0025	2.5	0.25	4	123	A0052895
146	146.82	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	VERY FINE	BEIGE	146.0	146.82	0.82	0.07	2.5	0.25	27	117	A0052896
Intermediate volcanoclastic unit which is severely deformed and altered. The alteration appears to be strong pervasive sericite, moderate fracture-fill hematite and weak fracture-fill chlorite.														
Overall, there are minor quartz veins within the deformation zone, making up 0.5% of the unit.														
The unit contains 2% fracture-fill pyrite and 1% blebby pyrite.														

Project: Van Horne							Hole Number: VH19-009							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
146.82	153	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	LIGHT GREY	146.82	148.0	1.18	0.606	2.5	0.25	30	126	A0052897
Intermediate volcanoclastic unit with weakly deformed and altered clasts, mostly altering to moderate patchy silica and weak pervasive sericite. The entire unit is mostly light grey, with white patches along the clasts as they appear to alter to silica.						148.0	149.0	1	0.0025	2.5	0.25	3	129	A0052898
The unit contains some quartz veins, making up 0.5% of the overall unit. One vein between 152.53 - 152.60 shows a moderate amount of fracture-fill chlorite, some minor tourmaline, 1% blebby pyrite and 1% fracture-fill pyrite.						149.0	150.0	1	0.0025	2.5	0.25	3	127	A0052899
Overall, the unit contains 1% blebby pyrite and 1% fracture-fill pyrite. Trace disseminated pyrite can also be seen in some areas.						150.0	151.0	1	0.359	2.5	0.25	6	123	A0052900
						151.0	152.0	1	0.031	5	0.25	6	136	A0052901
						152.0	153.0	1	0.018	7	0.25	4	112	A0052902
153	159.76	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	VERY FINE	GREY	153.0	154.0	1	0.067	18	0.25	20	138	A0052903
Intermediate volcanoclastic unit with up to 50% ash tuff in some areas, clasts appear more distant or completely absent in some areas. Overall, the unit appears to be weakly altered and deformed. The alteration includes weak pervasive sericite and weak patchy silica alteration, with some weak fracture-fill carbonate restricted to the quartz veins.						154.0	155.0	1	0.008	2.5	0.25	13	144	A0052904
The quartz carbonate veins, such as the one from 153.05- 153.08m display weak fracture-fill chlorite, and trace blebby pyrite along the quartz margin. Quartz veins make up 1% of the overall unit. From 153.33 -153.41m there is a minor quartz vein set with moderate wispy chlorite and 1% fracture-fill pyrite.						155.0	156.0	1	0.007	7	0.25	5	93	A0052906
Overall, the unit contains 1% blebby pyrite and trace disseminated pyrite.						156.0	157.0	1	0.006	7	0.25	7	106	A0052907
						157.0	158.0	1	0.006	7	0.25	4	104	A0052908
						158.0	159.0	1	0.007	2.5	0.25	4	111	A0052909
						159.0	159.76	0.76	0.038	2.5	0.25	5	99	A0052910
159.76	166.31	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	159.76	161.0	1.24	0.077	2.5	0.25	7	23	A0052911
Quartz Feldspar porphyry, overall showing moderate pervasive potassic alteration, along with weak fracture-fill chlorite and weak fracture-fill carbonate.						161.0	162.0	1	0.015	2.5	0.25	4	21	A0052912
The unit contains vuggy quartz carbonate veins, with weak fracture-fill chlorite along the quartz vein margins. From 164.58 - 164.67m a vein displaying large vuggs, weak chlorite fracture-fill is present with trace fracture-fill pyrite.						162.0	163.0	1	0.043	2.5	0.25	23	20	A0052913
Overall, the unit contains trace fracture-fill pyrite and trace disseminated pyrite. Minor specks of magnetite can be seen within the unit, allowing for weak magnetism along some sections.						163.0	164.0	1	0.061	2.5	0.25	6	20	A0052914
						164.0	165.0	1	0.193	2.5	0.25	6	23	A0052915
						165.0	165.5	0.5	0.02	5	0.25	10	18	A0052916
						165.5	166.31	0.81	0.21	5	0.25	16	37	A0052917
166.31	172.95	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	LIGHT GREY	166.31	167.0	0.69	0.018	5	0.25	30	72	A0052919
Intermediate volcanoclastic unit with moderate deformation and moderate alteration. The clasts are elongated when compared to previous units. While leading up to the deformation zone, we see more "crackle breccia" or "healed breccia" texture, which is mostly host rock with moderate fracture-fill chlorite. Weak patchy silica and weak pervasive sericite are also present altering the host rock and clasts.						167.0	168.0	1	0.0025	5	0.25	21	126	A0052920
The unit contains large quartz veins, such as 168.35 - 168.38 m with weak fracture-fill carbonate and trace fracture-fill pyrite. From 172.12 - 172. 20 m another quartz vein with minor tourmaline, minor fracture-fill chlorite and weak fracture-fill carbonate is present. 3% blebby pyrite found within the quartz vein margins.						168.0	169.0	1	0.009	2.5	0.25	73	120	A0052921
Overall, the unit contains 2% blebby pyrite, 1% disseminated pyrite, and 1% fracture-fill pyrite. The amount of pyrite increases with proximity to the deformation zone.						169.0	170.0	1	0.061	2.5	0.25	35	119	A0052922
						170.0	171.0	1	0.082	7	0.25	31	123	A0052923
						171.0	172.0	1	6.44	22	1.3	42	80	A0052924
						172.0	172.95	0.95	0.803	17	0.25	45	76	A0052925

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
172.95	176.07	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	VERY FINE	GREY	172.95	174.0	1.05	2.25	8	0.25	33	86	A0052926
Intermediate volcanoclastic unit with a large amount of "healed breccia or "crackle breccia" texture, most clasts here are elongate and altering to moderate pervasive sericite and weak patchy silica. The healed breccia has moderate to strong fracture-fill chlorite.														
						174.0	175.0	1	5.26	24	2	6	50	A0052927
						175.0	176.07	1.07	1.83	7	0.6	38	99	A0052928
From 174.47 - 174.84 there is a large set of quartz veins, 20% of this small section is made of host rock while the rest is quartz vein. The set of veins contain moderate fracture-fill chlorite, moderate patchy tourmaline, and weak fracture-fill carbonate. The section also contains 5% blebby pyrite, 2% fracture-fill pyrite and 1% disseminated pyrite.														
Overall, the unit has 3% blebby pyrite, 1% fracture-fill pyrite and 1% disseminated pyrite. The blebby and disseminated pyrite numbers would be slightly higher if the sulphides had not been weathering out.														
174.47 - 174.84 : Quartz Vein Set, Set of veins, 20% host rock within the set.														
176.07	195.12	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	FINE	DARK GREY	176.07	177.0	0.93	2.95	7	0.9	35	97	A0052929
Intermediate volcanoclastic unit which is largely deformed and altered. Moderate patchy sericite alteration, strong patchy silica alteration and weak fracture-fill carbonate alteration.														
The clasts within this section appear to be elongated and almost completely altered to either or both silica and sericite. Areas along the clasts appear to have 1% blebby and disseminated pyrite. Trace amounts of magnetite also appear to be replacing the pyrite.														
Between 181.88m to 195.12, the unit appears to have more ash tuff than the previous 5 meters, while the clasts are still being altered, it is not as prevalent as the beginning. At it's most, ash tuff appears to make up 40% of the unit. At around 186.44m the "crackle breccia" texture makes a brief appearance.														
The quartz veins make up 4% of the overall section. The largest quartz vein runs from 183.99 - 184.18m and has weak fracture-fill carbonate alteration and weak fracture-fill alteration; minor wispy tourmaline is also present. Within the quartz vein, there is 3% blebby pyrite and 2% fracture-fill pyrite along the quartz margin. From 184.35 - 184.50m is another quartz carbonate vein which displays the same alteration as the previous vein but shows 2% blebby pyrite and 1% fracture-fill pyrite.														
Overall, the unit has 2% blebby pyrite, 1% fracture-fill pyrite and 1% disseminated pyrite. Pyrite is most abundant surrounding quartz veins and their increased alteration.														
						177.0	178.0	1	0.819	2.5	0.25	38	154	A0052930
						178.0	179.0	1	0.013	2.5	0.25	52	136	A0052932
						179.0	180.0	1	0.012	2.5	0.25	36	177	A0052933
						180.0	181.0	1	0.005	2.5	0.5	36	367	A0052934
						181.0	182.0	1	0.106	2.5	0.25	60	455	A0052935
						182.0	183.0	1	0.008	2.5	0.25	64	101	A0052936
						183.0	184.0	1	1.615	2.5	0.8	97	96	A0052937
						184.0	185.0	1	0.923	2.5	0.5	34	57	A0052938
						185.0	186.0	1	3.21	9	1.4	80	90	A0052939
						186.0	187.0	1	2.17	2.5	0.5	63	55	A0052940
						187.0	188.0	1	0.385	2.5	0.25	86	116	A0052941
						188.0	189.0	1	0.008	2.5	0.5	63	116	A0052942
						189.0	190.0	1	0.008	2.5	0.25	79	132	A0052943
						190.0	191.0	1	0.0025	2.5	0.25	101	134	A0052945
						191.0	192.0	1	0.0025	2.5	0.25	90	112	A0052946
						192.0	193.0	1	0.0025	2.5	0.25	64	127	A0052947
						193.0	194.0	1	0.0025	2.5	0.25	71	102	A0052948
						194.0	194.5	0.5	0.0025	2.5	0.25	79	121	A0052949
						194.5	195.12	0.62	0.0025	2.5	0.25	73	123	A0052950

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
195.12	208.28	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	195.12	196.0	0.88	0.042	2.5	0.25	7	44	A0052951
Quartz Feldspar Porphyry, mostly showing quartz eyes and feldspar phenocrysts. The porphyry has a gradual contact on both the upper and lower end, with the colour fading from cream to beige - grey.						196.0	197.0	1	0.246	2.5	0.25	4	23	A0052952
The alteration within the porphyry include moderate pervasive potassic alteration, weak fracture-fill chlorite and weak patchy silica. The fracture-fill chlorite is mainly found within the quartz veins, but some small stringer veins are also found along fractures within the porphyry.						197.0	198.0	1	0.119	2.5	0.25	0.5	27	A0052953
A vein set of small (1-3 cm) quartz carbonate veins runs from 196.29 - 197.50. Each of these veins displays minor to moderate vuggs and trace disseminated pyrite.						198.0	199.0	1	0.147	2.5	0.25	4	27	A0052954
Another few veins from 203.98-204.05 and 204.60 - 204.74m display weak fracture-fill chlorite, a vuggy texture and 1% fracture-fill pyrite.						199.0	200.0	1	0.016	2.5	0.25	8	27	A0052955
Overall, the unit has trace disseminated and trace blebby pyrite, with 1% fracture-fill pyrite along chlorite stringers within the rock and along quartz margins.						200.0	201.0	1	0.102	2.5	0.25	5	25	A0052956
						201.0	202.0	1	0.056	5	0.25	7	29	A0052958
						202.0	203.0	1	0.015	2.5	0.25	5	26	A0052959
						203.0	204.0	1	0.405	2.5	0.25	2	23	A0052960
						204.0	205.0	1	1.51	2.5	0.25	3	27	A0052961
						205.0	206.0	1	0.258	2.5	0.25	4	28	A0052962
						206.0	207.0	1	0.128	2.5	0.25	11	32	A0052963
						207.0	207.6	0.6	0.032	2.5	0.25	5	34	A0052964
						207.6	208.28	0.68	0.0025	2.5	0.25	14	43	A0052965
208.28	216	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	208.28	209.0	0.72	0.187	2.5	0.5	93	146	A0052966
Intermediate volcanoclastic unit which is very similar to the unit from 176 - 195.12,m in alteration and deformation. Patchy moderate sericite and patchy moderate silica are the main alteration within the unit, mainly altering clasts. The "crackle breccia" texture does appear in small areas within the unit but is never more than a few centimeters.						209.0	210.0	1	0.007	2.5	0.25	68	105	A0052967
Quartz carbonate veins make up 1% of the overall unit. The largest vein from 213.04 - 213.12 m has fracture-fill chlorite along its margins, very minor patchy tourmaline and very weak fracture-fill carbonate alteration. Trace disseminated pyrite is found along the quartz vein margin.						210.0	211.0	1	0.0025	2.5	0.25	73	129	A0052968
Overall, the unit has trace disseminated pyrite and trace blebby pyrite.						211.0	212.0	1	0.0025	2.5	0.5	97	130	A0052969
						212.0	213.0	1	0.021	2.5	0.5	69	120	A0052971
						213.0	214.0	1	0.027	2.5	0.25	71	122	A0052972
						214.0	215.0	1	0.0025	2.5	0.25	99	140	A0052973
						215.0	216.0	1	0.005	2.5	0.25	80	151	A0052974

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
216	249.44	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	216.0	217.0	1	0.0025	2.5	0.25	77	149	A0052975
Intermediate Volcaniclastic unit, moderately deformed and altered; the alteration includes moderate pervasive sericite, moderate patchy silica and weak fracture-fill chlorite. Overall the unit has a slight dark green tinge, but the majority is dark grey. Clasts appear to be altering with both sericite and silica. Chlorite fracture-fill is seen within the deformation zones in the unit, within quartz carbonate margins and within minor fractures within the unit.														
Quartz Carbonate veins make up 2% of the overall unit, showing weak patchy carbonate and weak chlorite fracture-fill alteration. Most quartz vein display atleast 1% fracture-fill pyrite and 1% blebby pyrite within the quartz margins and alteration surrounding the quartz veins. Pervasive sericite alteration appears to increase in intensity slightly around the quartz veins.														
A good example of this is at 222.83 - 222.93 m, which displays 2% blebby pyrite along the quartz margin and 1% fracture-fill pyrite within the vein itself.														
A vein set is also present from 224.20 - 225.05 m shows similar amounts of pyrite and alteration.														
From 239.92 - 240.45 m there is a deformation zone where alteration and deformation is intensified to strong. Strong pervasive sericite and moderate chlorite fracture-fill are present. Within this zone, 3% fracture-fill and 1% blebby pyrite can be seen.														
Overall, the unit has 1% disseminated pyrite, trace fracture-fill pyrite and 1% blebby pyrite. Trace disseminated chalcopyrite is found around 221.20 m.														
						217.0	218.0	1	0.0025	2.5	0.25	66	171	A0052976
						218.0	219.0	1	0.0025	2.5	0.5	80	165	A0052977
						219.0	220.0	1	0.0025	2.5	0.25	40	156	A0052978
						220.0	221.0	1	0.0025	2.5	0.25	39	158	A0052979
						221.0	222.0	1	0.005	2.5	0.25	166	106	A0052980
						222.0	223.0	1	0.247	2.5	0.25	44	143	A0052981
						223.0	224.0	1	0.01	2.5	0.25	5	111	A0052982
						224.0	225.0	1	0.006	2.5	0.25	1	56	A0052984
						225.0	226.0	1	0.58	2.5	0.5	11	75	A0052985
						226.0	227.0	1	0.036	2.5	0.25	3	73	A0052986
						227.0	228.0	1	0.056	2.5	0.25	5	76	A0052987
						228.0	229.0	1	0.0025	2.5	0.25	2	58	A0052988
						229.0	230.0	1	0.0025	2.5	0.25	1	56	A0052989
						230.0	231.0	1	0.0025	2.5	0.25	2	77	A0052990
						231.0	232.0	1	0.0025	2.5	0.25	1	57	A0052991
						232.0	233.0	1	0.28	2.5	0.25	1	53	A0052992
						233.0	234.0	1	0.084	2.5	0.25	2	82	A0052993
						234.0	235.0	1	0.0025	2.5	0.25	3	100	A0052994
						235.0	236.0	1	0.0025	2.5	0.25	6	153	A0052995
						236.0	237.0	1	0.0025	2.5	0.25	8	144	A0052997
						237.0	238.0	1	0.0025	2.5	0.25	39	164	A0052998
						238.0	239.0	1	0.0025	2.5	0.25	44	143	A0052999
						239.0	239.92	0.92	0.008	2.5	0.25	182	154	A0053000
						239.92	240.45	0.53	0.0025	2.5	0.25	48	76	A0053001
						240.45	241.0	0.55	0.017	2.5	0.25	73	169	A0053002
						241.0	242.0	1	0.0025	2.5	0.25	49	147	A0053003
						242.0	243.0	1	0.0025	2.5	0.25	78	138	A0053004
						243.0	244.0	1	0.0025	2.5	0.25	86	148	A0053005
						244.0	245.0	1	0.0025	2.5	0.25	79	147	A0053006
						245.0	246.0	1	0.0025	2.5	0.5	92	140	A0053007

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						246.0	247.0	1	0.006	2.5	0.25	94	124	A0053008
						247.0	248.0	1	0.428	7	0.25	76	172	A0053010
						248.0	248.66	0.66	0.012	2.5	0.25	89	146	A0053011
						248.66	249.44	0.78	0.043	2.5	0.25	38	103	A0053012
249.44	256.33	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC FINE		CREAM	249.44	250.0	0.56	0.05	2.5	0.25	10	24	A0053013
		Quartz Feldspar Porphyry with weak alteration and deformation. Overall the unit shows weak pervasive potassic, weak patchy sericite alteration and weak fracture-fill chlorite alteration. The unit is altered with potassic and sericite alteration while the fracture-fill chlorite appears in areas of deformation as a "crackle breccia" texture.				250.0	251.0	1	0.015	2.5	0.25	7	27	A0053014
						251.0	252.0	1	0.039	2.5	0.25	5	25	A0053015
		Overall the unit consists of 0.5% quartz carbonate veins. The veins themselves contain trace disseminated and trace fracture-fill pyrite. The alteration present include moderate fracture-fill chlorite and weak fracture-fill carbonate. Minor vuggs present within all quartz veins.				252.0	253.0	1	0.016	2.5	0.25	10	27	A0053016
						253.0	254.0	1	0.117	2.5	0.25	12	24	A0053017
		The unit contains trace disseminated pyrite and trace fracture-fill pyrite, with an increased amount of pyrite around both lower and upper contacts.				254.0	255.0	1	0.009	2.5	0.25	10	28	A0053018
						255.0	255.56	0.56	0.066	2.5	0.25	12	29	A0053019
						255.56	256.33	0.77	0.123	2.5	0.25	9	24	A0053020
256.33	267.13	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICITIC FINE		GREEN-GREY	256.33	257.0	0.67	0.27	5	0.25	104	126	A0053021
		Intermediate volcanoclastic unit with elongate clasts and stronger deformation than previous units. The unit has mostly moderate pervasive sericite, moderate pervasive silica and moderate fracture-fill chlorite. The unit contains a few deformation zones, and zones with the "crackle breccia" present. The crackle breccia zones show broken up host rock and clasts infilled with chlorite alteration. A few examples of this can be seen at 260.30 m, 261.88 m and 262.18 m.				257.0	258.0	1	0.0025	2.5	0.25	78	163	A0053023
						258.0	259.0	1	0.0025	2.5	0.25	127	138	A0053024
						259.0	260.0	1	0.012	2.5	0.25	89	188	A0053025
		Quartz carbonate veins make up 1% of the overall unit, containing moderate patchy carbonate alteration and weak fracture-fill chlorite. Most veins have 1% blebby pyrite within the vein margins.				260.0	261.0	1	0.011	2.5	0.25	43	109	A0053026
						261.0	262.0	1	0.0025	2.5	0.25	5	100	A0053027
		From 265.66 - 265.85 m there is a deformation zone, with increased amounts of pervasive sericite alteration to the host rock.				262.0	263.0	1	0.007	2.5	0.25	61	147	A0053028
		Mineralization is intensified within and around these crackle breccia and deformation zones, as well as alteration.				263.0	264.0	1	0.069	2.5	0.25	49	137	A0053029
		The host rock contains trace disseminated pyrite and trace blebby pyrite, while the breccia and deformation zones contain 1-2% blebby pyrite and 1% fracture-fill pyrite.				264.0	265.0	1	0.049	2.5	0.25	53	130	A0053030
						265.0	266.0	1	0.044	11	0.25	54	204	A0053031
		The end of the unit is a contact of a deformation zone.				266.0	266.51	0.51	0.0025	2.5	0.25	27	62	A0053032
						266.51	267.16	0.65	0.034	2.5	0.25	30	60	A0053033

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
267.13	268.59	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	CREAM	266.51	267.16	0.65	0.034	2.5	0.25	30	60	A0053033
		A deformation zone with a creamy orange colour, while still an intermediate volcanic unit, I would describe it as "QFP like" because of its colour and alteration. moderate pervasive potassic alteration, strong pervasive sericite and moderate fracture-fill chlorite alteration is present. The alteration appears to be intensified around the quartz veins within the unit, showing a similar crackle breccia texture in some areas, where the host rock is broken up then infilled with chlorite.				267.16	268.0	0.84	0.892	9	0.25	9	29	A0053034
						268.0	268.59	0.59	0.13	2.5	0.25	30	35	A0053036

The unit is made of 5% quartz carbonate veins, from 1-4 cm in width. The veins have weak patchy carbonate and moderate fracture-fill chlorite alteration.

The whole unit has 3-4% disseminated pyrite, 1% fracture-fill pyrite and 1% blebby pyrite. All alteration and sulphides are intensified near breccia zones and quartz veins.

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
268.59	292	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREEN	268.59	269.3	0.71	0.17	2.5	0.25	36	73	A0053037
An intermediate volcanic unit which shows moderate to intense alteration and deformation. This unit lacks elongate clasts and their alteration, but does show minor quartz eyes throughout most of the unit. Overall, this unit shows intense alteration surrounding the quartz veins present in the unit, which look like alteration halos.						269.3	270.0	0.7	0.25	2.5	0.25	37	90	A0053038
						270.0	271.0	1	0.167	2.5	0.25	10	85	A0053039
The alteration within the unit is moderate pervasive sericite, moderate fracture-fill chlorite and strong patchy silica alteration. The alteration does increase to intense around the quartz veins and shows a gradual change back to moderate - strong.						271.0	272.0	1	1.3	2.5	0.25	16	218	A0053040
						272.0	273.0	1	1.47	2.5	0.25	11	29	A0053041
An example of this is 277.17 - 277.21 m which shows a quartz vein with strong pervasive sericite, moderate fracture-fill chlorite and strong patchy silica alteration; minor amounts of hematite staining is also present . Mineralization is more abundant within these deformation zones surrounding the quartz veins than the host rock.						273.0	274.0	1	0.181	2.5	0.25	14	40	A0053042
						274.0	275.0	1	0.439	2.5	0.25	20	42	A0053043
Overall the unit frequently changes from deformation zone to host rock, making it difficult to differentiate the two besides the colour of the alteration within the host rock.						275.0	276.0	1	0.0025	2.5	0.25	27	75	A0053044
						276.0	277.0	1	0.0025	2.5	0.25	20	61	A0053045
Quartz veins make up 5% of the overall unit.						277.0	278.0	1	1.23	2.5	0.25	11	40	A0053046
After 285 m, the unit starts back into the volcanoclastic unit, with about 60% of the unit being ash tuff and 40% being deformed clasts. At 285.85 we see another quartz vein, but with an intense breccia made of clasts and host rock, infilled with chlorite.						278.0	279.0	1	0.0025	2.5	0.25	15	52	A0053047
						279.0	280.0	1	0.0025	2.5	0.25	8	57	A0053049
Between 286 - 292 m we see 40% clasts and 60% ash tuff until we see a gradual change into intermediate volcanoclastic.						280.0	281.0	1	0.388	2.5	0.25	7	48	A0053050
						281.0	282.0	1	0.094	2.5	0.25	9	108	A0053051
Overall, the unit has 3% blebby pyrite, 1% fracture-fill pyrite and 2% disseminated pyrite, with more around the deformation zones / breccia zones and quartz veins.						282.0	283.0	1	0.0025	2.5	0.25	9	67	A0053052
						283.0	284.0	1	1.71	2.5	0.25	53	185	A0053053
						284.0	285.0	1	0.186	2.5	0.25	32	73	A0053054
						285.0	286.0	1	0.087	2.5	0.25	26	48	A0053055
						286.0	287.0	1	0.243	2.5	0.25	30	133	A0053056
						287.0	288.0	1	0.568	2.5	0.5	60	163	A0053057
						288.0	289.0	1	0.172	2.5	0.25	31	113	A0053058
						289.0	290.0	1	0.579	2.5	0.25	46	242	A0053059
						290.0	291.0	1	0.012	2.5	0.25	40	133	A0053060
						291.0	292.0	1	0.03	2.5	0.25	48	170	A0053062

Project: Van Horne

Hole Number: VH19-009

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
292	300	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	292.0	293.0	1	0.008	2.5	0.25	41	164	A0053063
An intermediate volcanoclastic unit with 80% deformed clasts and 20% ash tuff. The clasts are mostly altered to moderate pervasive silica and moderate pervasive sericite. The host rock has weak fracture-fill chlorite between some clasts and along foliation. This unit has coarser grains than the volcanics,						293.0	294.0	1	0.006	2.5	0.5	72	125	A0053064
The unit has very little quartz veins, with weak patchy carbonate alteration and no sulphides within them.						294.0	295.0	1	0.005	2.5	0.25	35	97	A0053065
The unit does however has a lot of pyrite, with what appears to be small pods of pyrite, which I will call patchy pyrite. The unit has 3% patchy pyrite and 1% disseminated pyrite. It appears mineralization continues to the end of the hole at 300 m.						295.0	296.0	1	0.0025	2.5	0.25	31	107	A0053066
						296.0	297.0	1	0.0025	2.5	0.6	51	127	A0053067
						297.0	298.0	1	0.0025	2.5	0.25	25	136	A0053068
						298.0	299.0	1	0.0025	2.5	0.25	28	174	A0053069
						299.0	300.0	1	0.012	2.5	0.25	25	104	A0053070

Project: Van Horne

Hole Number: VH19-010

Drill Hole

Prospect: VH-GLATZ
Year: 2019
Hole Size: NQ
Orient: ACT III
Hole Status: COMPLETE
Operator: KGC EXPLORATION
Geologist: PERCY CLARK
Casing Depth: 1
EOH: 312
Logged Depth: 312

Drilling

Start Date: Sep-10-2019
End Date: Sep-14-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 505,404
Northing: 5,508,256
Elevation: 350

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
1.1	18	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	1.1	2.0	0.9	0.044	33	0.5	65	154	A0053071
Intermediate volcanoclastic unit which is moderately altered and deformed. Deformation includes a healed breccia texture and shear fractures throughout the unit; alteration includes moderate patchy carbonate, moderate fracture-fill chlorite and moderate - strong ankerite along shear fracture zones.														
The entire unit contains fracture-fill chlorite, which gives it a "healed breccia". The brecciation present causes the host rock to appear as clasts, and patchy carbonate alteration also appears to cause the rock to have clasts. While I believe this unit is a volcanic unit, in previous areas we have called it volcanoclastic so for continuity we will continue to call it volcanoclastic.														
There are approximately seven sets of shear fractures which all contain strong pervasive ankerite alteration. While individual sets share similar angles of fracturing, the overall sets do not follow a similar path.														
There aren't many quartz veins within this unit, the largest being a blocky quartz vein at 5.22 m which extends for 14 cm. The quartz veins show weak patchy carbonate alteration and minor amounts of wispy tourmaline. The quartz veins do not show signs of mineralization.														
Overall, the unit has 1% fracture-fill pyrite and trace disseminated pyrite.														
						2.0	3.0	1	0.02	7	0.25	60	108	A0053072
						3.0	4.0	1	0.024	7	0.6	65	123	A0053073
						4.0	5.0	1	0.009	5	0.25	40	113	A0053075
						5.0	6.0	1	0.36	11	0.25	59	109	A0053076
						6.0	7.0	1	0.018	8	0.8	74	120	A0053077
						7.0	8.0	1	0.011	11	0.25	61	143	A0053078
						8.0	9.0	1	0.0025	2.5	0.6	29	169	A0053079
						9.0	10.0	1	0.0025	2.5	0.25	16	178	A0053080
						10.0	11.0	1	0.005	2.5	0.25	11	162	A0053081
						11.0	12.0	1	0.012	8	0.25	13	226	A0053082
						12.0	13.0	1	0.06	23	0.25	7	155	A0053083
						13.0	14.0	1	0.018	21	0.25	6	198	A0053084
						14.0	15.0	1	0.014	2.5	0.25	5	185	A0053085
						15.0	16.0	1	0.03	51	0.25	3	194	A0053086
						16.0	17.0	1	0.008	2.5	0.25	8	238	A0053088
						17.0	18.0	1	0.007	7	0.25	3	213	A0053089

Project: Van Horne	Hole Number: VH19-010
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
18	24.61	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREEN-GREY	18.0	19.0	1	0.0025	2.5	0.25	3	150	A0053090
<p>A deformation zone within the intermediate volcanoclastic unit. The host rock appears strongly altered and deformed. The unit is fine grained, and has a purple - green - grey colour scheme. The host rock clasts appears mostly elongate when compared to undeformed units with similar "healed breccia" texture. The "healed breccia" texture is present within this unit, causing the host rock to become clasts.</p> <p>The alteration that is present within the host rock is strong pervasive potassic alteration, strong fracture-fill chlorite alteration and moderate patchy carbonate alteration. Moderate pervasive ankerite alteration is also present within and around fractures.</p> <p>The quartz veins within the section have strong fracture-fill chlorite and weak patchy carbonate alteration. The quartz veins make up 5% of the overall units, and are relatively wide, from 4-6 cm.</p> <p>Overall, the unit has 1% fracture-fill, 1% blebby and trace disseminated pyrite.</p>						19.0	20.0	1	0.016	7	0.25	6	108	A0053091
						20.0	21.0	1	1.075	12	0.25	18	102	A0053092
						21.0	22.0	1	0.34	11	0.25	27	135	A0053093
						22.0	23.0	1	0.355	47	0.25	23	111	A0053094
						23.0	24.0	1	0.338	27	0.5	75	136	A0053095
						24.0	24.61	0.61	1.16	18	0.5	57	90	A0053096

24.61	26.03	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	DARK GREY	24.61	25.2	0.59	0.015	8	0.25	27	107	A0053097
<p>An intermediate volcanic unit between the two deformation zones. The rock is weakly deformed and moderately altered, but doesn't appear to have any clasts. The alteration present is moderate patchy carbonate, moderate patchy silica and weak pervasive sericite. The moderate patchy carbonate appears to look like clasts but lack any foliation or pattern. The contact between both deformation zones is signified by the presence of potassic alteration and is slightly sharp.</p> <p>The unit does not have any quartz veins.</p> <p>Overall, the unit has 1% blebby pyrite and 1% disseminated pyrite.</p>						25.2	26.03	0.83	0.014	33	0.25	43	107	A0053098

26.03	28.55	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	RED-BROWN	26.03	27.0	0.97	0.546	28	0.6	46	79	A0053099
<p>A deformation zone between the intermediate volcanics and intermediate volcanoclastics, this area we start to see definitive clasts. The zone has strong pervasive potassic alteration, moderate patchy carbonate and moderate fracture-fill chlorite alteration. There is still the "healed breccia" texture, but clasts are also present and elongated along a foliation.</p> <p>The quartz veins present are wide, between 2 - 15 cm and make up 8% of the overall unit. Moderate wispy tourmaline is present, along with moderate fracture-fill chlorite and moderate patchy carbonate. The veins contain 2% blebby pyrite and 1% fracture-fill pyrite.</p> <p>A shear fracture is also present close to the quartz vein, at 27.65 with strong pervasive ankerite alteration surrounding the fracture.</p> <p>Overall, the unit contains 1% blebby pyrite and trace fracture-fill pyrite.</p>						27.0	28.0	1	0.519	15	0.5	48	79	A0053101
						28.0	28.55	0.55	0.13	2.5	0.25	17	92	A0053102

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
28.55	51.38	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREEN-GREY	28.55	29.15	0.6	0.014	2.5	0.25	12	127	A0053103
An intermediate volcanoclastic unit with sub-angular to angular clasts. Strong patchy carbonate, moderate pervasive sericite, moderate pervasive chlorite and weak-moderate pervasive silica alteration is present. The "healed breccia" texture is present in some areas, but not as much as the past units. The unit has a green-grey colour due to the chlorite present.						29.15	30.0	0.85	0.0025	2.5	0.25	7	149	A0053104
The unit has a sharp lower contact with the mafic volcanic unit.						30.0	31.0	1	0.027	2.5	0.9	7	133	A0053105
Quartz carbonate veins are present and make up 0.5% of the overall unit. Moderate fracture-fill chlorite and weak patchy carbonate are present within the veins. The veins contain trace fracture-fill pyrite.						31.0	32.0	1	0.0025	2.5	0.25	8	117	A0053106
The unit has 1% blebby pyrite, trace disseminated pyrite and trace disseminated chalcopyrite.						32.0	33.0	1	0.0025	2.5	0.25	12	112	A0053107
						33.0	34.0	1	0.0025	2.5	0.25	14	109	A0053108
						34.0	35.0	1	0.07	2.5	1	38	146	A0053109
						35.0	36.0	1	0.006	2.5	0.25	94	128	A0053110
						36.0	37.0	1	0.0025	2.5	0.25	56	125	A0053111
						37.0	38.0	1	0.0025	2.5	0.25	109	143	A0053112
						38.0	39.0	1	0.031	2.5	0.25	15	129	A0053114
						39.0	40.0	1	0.0025	2.5	0.25	20	128	A0053115
						40.0	41.0	1	0.0025	2.5	0.25	10	137	A0053116
						41.0	42.0	1	0.0025	6	0.25	19	132	A0053117
						42.0	43.0	1	0.0025	2.5	0.25	50	134	A0053118
						43.0	44.0	1	0.0025	2.5	0.25	28	131	A0053119
						44.0	45.0	1	0.0025	5	0.25	111	131	A0053120
						45.0	46.0	1	0.0025	2.5	0.25	55	131	A0053121
						46.0	47.0	1	0.0025	2.5	0.25	71	127	A0053122
						47.0	48.0	1	0.0025	5	0.25	94	132	A0053123
						48.0	49.0	1	0.0025	6	0.25	93	134	A0053124
						49.0	50.0	1	0.0025	2.5	0.25	90	137	A0053125
						50.0	50.6	0.6	0.0025	6	0.25	19	138	A0053127
						50.6	51.38	0.78	0.0025	2.5	0.25	14	152	A0053128
51.38	54.39	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREEN	51.38	52.0	0.62	0.0025	2.5	0.25	10	131	A0053129
This mafic volcanic unit is very fine grained and dark green. The alterations present include weak pervasive chlorite, weak patchy carbonate and weak patchy silica. The unit is mildly magnetic.						52.0	53.0	1	0.0025	5	0.25	2	123	A0053130
Quartz carbonate veins make up 3% of the overall unit. Each vein has moderate fracture-fill chlorite and weak patchy carbonate. Trace fracture-fill pyrite is present within the quartz veins.						53.0	53.5	0.5	0.0025	2.5	0.25	2	115	A0053131
Overall, the unit has trace blebby pyrite and trace fracture-fill pyrite.						53.5	54.39	0.89	0.0025	5	0.25	4	121	A0053132

Project: Van Horne							Hole Number: VH19-010								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample	
54.39	55.83	MV, MAFIC VOLCANIC	FOLIATED	FINE	CREAM	54.39	55.0	0.61	0.0025	2.5	0.25	1	109	A0053133	
A deformation zone within the mafic volcanic unit. This deformation zone has moderate pervasive potassic, moderate pervasive chlorite and moderate pervasive carbonate alteration. The unit is						55.0	55.83	0.83	0.018	2.5	0.25	34	90	A0053134	
The alteration and deformation is intensified around the quartz veins present within the zone. 1% fracture-fill and 1% disseminated pyrite are present within the quartz veins. Strong fracture-fill chlorite is found within and around the quartz veins.															
Overall, the unit has 2% fracture-fill pyrite and trace disseminated pyrite.															
55.83	56.2	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREEN	55.83	56.2	0.37	0.0025	2.5	0.25	22	109	A0053135	
A small mafic unit between the deformation zone and intermediate volcanoclastic unit. This unit is similar to the previous mafic unit before the deformation zone.															
Weak pervasive chlorite and weak patchy carbonate alteration is present. Trace fracture-fill pyrite is present.															
56.2	63.31	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	FINE	LIGHT GREY	56.2	57.0	0.8	0.006	5	0.25	27	106	A0053136	
An intermediate volcanoclastic unit which is weakly deformed and altered. Weak pervasive chlorite, moderate patchy carbonate and weak pervasive sericite alteration is present. Clasts appear to be rounded and slightly elongated.						57.0	58.0	1	0.0025	5	0.25	40	91	A0053137	
Quartz veins make up 1% of the unit. The veins contain weak fracture-fill carbonate and weak fracture-fill chlorite. Trace fracture-fill pyrite and trace disseminated pyrite are present along quartz vein margins.						58.0	59.0	1	0.0025	2.5	0.25	21	85	A0053138	
Overall the unit has trace disseminated pyrite and trace fracture-fill pyrite. Trace disseminated pyrite is found both in veins and host rock while fracture-fill pyrite is only found within the quartz veins. Pyrite appears more frequently near the contacts rather than within the middle of the unit.						59.0	60.0	1	0.0025	2.5	0.25	16	89	A0053140	
						60.0	61.0	1	0.0025	6	0.25	50	90	A0053141	
						61.0	62.0	1	0.0025	2.5	0.25	50	85	A0053142	
						62.0	62.5	0.5	0.0025	2.5	0.25	40	87	A0053143	
						62.5	63.31	0.81	1.16	9	0.25	39	91	A0053144	
63.31	71.59	MV, MAFIC VOLCANIC	MASSIVE	VERY FINE	DARK GREEN	63.31	64.0	0.69	0.972	6	0.25	27	93	A0053145	
A mafic volcanic unit, very fine grained and dark green. Weak pervasive silica, weak patchy carbonate and weak pervasive chlorite alteration is present. The unit is mildly magnetic.						64.0	65.0	1	0.188	2.5	0.25	22	94	A0053146	
The unit has many quartz carbonate veins, making up 5% of the overall unit. Each has moderate fracture-fill chlorite and moderate patchy carbonate alteration, with moderate pervasive sericite alteration acting as a halo around each quartz vein. Some veins have 1-2% blebby pyrite within the surrounding host rock, within the sericite halo and many have trace - 1% fracture-fill pyrite within the vein and its margins.						65.0	66.0	1	0.295	2.5	0.25	38	97	A0053147	
						66.0	67.0	1	0.025	2.5	0.25	35	95	A0053148	
						67.0	68.0	1	0.053	6	0.25	27	85	A0053149	
Overall, the unit has 1% blebby pyrite and trace disseminated pyrite. The amount of pyrite increases around quartz veins.						68.0	69.0	1	0.186	2.5	0.25	28	92	A0053150	
						69.0	70.0	1	0.01	2.5	0.25	35	96	A0053151	
						70.0	71.0	1	0.0025	2.5	0.5	18	94	A0053153	
						71.0	71.59	0.59	0.129	2.5	0.6	11	82	A0053154	

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
71.59	84	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREY	71.59	72.2	0.61	0.0025	2.5	0.25	24	107	A0053155
An intermediate volcanoclastic unit with rounded to sub-angular clasts which are moderately altered and deformed. The "healed breccia" texture is present throughout the unit, with moderate fracture-fill chlorite in those zones. Moderate patchy sericite and moderate patchy carbonate are altering the host rock and clasts.						72.2	73.0	0.8	0.0025	2.5	0.5	30	91	A0053156
Quartz veins make up 0.5% of the overall unit. The veins have weak fracture-fill carbonate and moderate fracture-fill chlorite. The veins also have 2% fracture-fill pyrite and 1% blebby pyrite.						73.0	74.0	1	0.0025	2.5	0.25	54	90	A0053157
Overall, the unit has trace blebby pyrite and trace disseminated pyrite.						74.0	75.0	1	0.0025	2.5	0.25	38	88	A0053158
						75.0	76.0	1	0.0025	2.5	0.5	38	88	A0053159
						76.0	77.0	1	0.0025	2.5	0.5	15	83	A0053160
						77.0	78.0	1	0.0025	2.5	0.25	13	87	A0053161
						78.0	79.0	1	0.0025	2.5	0.25	9	91	A0053162
						79.0	80.0	1	0.0025	2.5	0.25	27	91	A0053163
						80.0	81.0	1	0.0025	2.5	0.25	100	94	A0053164
						81.0	82.0	1	0.0025	10	0.25	10	93	A0053166
						82.0	83.0	1	0.0025	2.5	0.25	3	94	A0053167
						83.0	84.0	1	0.0025	2.5	0.25	34	92	A0053168
84	102	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREY	84.0	85.0	1	0.0025	2.5	0.25	9	97	A0053169
An intermediate volcanoclastic unit which is moderately altered and deformed. The healed breccia texture is present throughout the unit. Moderate fracture-fill chlorite, moderate patchy carbonate and moderate pervasive sericite alteration is present. Clasts appear weakly elongated and are sub-angular to rounded.						85.0	86.0	1	0.0025	5	0.25	5	96	A0053170
The unit looks similar to other volcanic units with the healed breccia in some areas, being very fine grained and having less clasts. 98 - 100 m look very similar to intermediate volcanics with the healed breccia present.						86.0	87.0	1	0.0025	2.5	0.25	15	101	A0053171
The unit has many small 1-2 cm quartz veins, making up 3% of the unit. Each vein has moderate patchy carbonate and weak fracture-fill chlorite. Trace blebby pyrite can be found around vein margins. One vein from 98.48 - 98.57 m is of particular interest because it contains trace blebby chalcopyrite and 1% blebby pyrite.						87.0	88.0	1	0.0025	2.5	0.25	21	106	A0053172
Overall, the unit contains trace blebby pyrite, trace disseminated pyrite and trace blebby chalcopyrite (at 98.57 m).						88.0	89.0	1	0.0025	2.5	0.25	77	106	A0053173
						89.0	90.0	1	0.0025	5	0.25	73	90	A0053174
						90.0	91.0	1	0.0025	6	0.25	54	90	A0053175
						91.0	92.0	1	0.0025	2.5	0.25	79	94	A0053176
						92.0	93.0	1	0.0025	2.5	0.25	13	100	A0053177
						93.0	94.0	1	0.0025	2.5	0.25	20	98	A0053179
						94.0	95.0	1	0.0025	2.5	0.25	69	97	A0053180
						95.0	96.0	1	0.0025	2.5	0.25	44	96	A0053181
						96.0	97.0	1	0.0025	2.5	0.25	53	94	A0053182
						97.0	98.0	1	0.0025	2.5	0.25	90	99	A0053183
						98.0	99.0	1	0.051	2.5	0.8	449	95	A0053184
						99.0	100.0	1	0.005	2.5	0.25	66	88	A0053185
						100.0	101.0	1	0.0025	2.5	0.25	4	90	A0053186
						101.0	102.0	1	0.0025	5	0.25	17	90	A0053187

Project: Van Horne							Hole Number: VH19-010								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample	
102	110	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	VERY FINE	GREY	102.0	103.0	1	0.037	2.5	0.25	67	87	A0053188	
This intermediate volcaniclastic unit was separated from the previous unit due to its increased alteration and deformation around quartz veins. The quartz veins within this unit have a moderate - strong pervasive sericite alteration halo around most of the veins, along with the healed breccia texture. The unit has moderate - strong pervasive sericite, moderate patchy chlorite, weak fracture-fill chlorite and weak patchy carbonate alteration.						103.0	104.0	1	0.025	2.5	0.25	11	88	A0053189	
There are wider quartz veins in this section, between 2 - 5 cm. Each vein has moderate patchy carbonate and weak patchy chlorite alteration. The veins also have trace blebby and trace fracture-fill pyrite.						104.0	105.0	1	0.014	2.5	0.25	43	98	A0053190	
Within the unit, towards the contact between the IVCL and the QFP are stringers of pyrite with small blebs of chalcopyrite. These stringers start to appear around 108.66 m and continue until 110 m at the contact between the IVCL and QFP. The stringers appear to be both following foliations and randomly infilling fractures.						105.0	106.0	1	0.113	2.5	0.25	160	86	A0053192	
Overall, the unit has 3% fracture-fill pyrite. trace blebby chalcopyrite and 1% blebby pyrite.						106.0	107.0	1	0.045	2.5	0.25	17	103	A0053193	
						107.0	108.0	1	0.049	2.5	0.25	6	127	A0053194	
						108.0	109.0	1	0.019	2.5	0.25	16	115	A0053195	
						109.0	110.0	1	0.028	10	0.25	35	96	A0053196	
110	118.87	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	110.0	111.0	1	0.342	2.5	0.25	11	35	A0053197	
A QFP unit with porphyritic feldspars and quartz eyes. The unit has a beige grey to cream orange colour. Strong pervasive potassic alteration, weak patchy carbonate and weak patchy chlorite alteration are present within the unit. The unit has minor vugs within the host rock. Both the upper and lower contact of the QFP are sharp.						111.0	112.0	1	0.012	2.5	0.25	11	42	A0053198	
0.5% of the unit is made of quartz carbonate veins. Each vein has minor - moderate vugs and contains trace blebby pyrite and trace fracture-fill pyrite. There is moderate patchy carbonate and weak fracture-fill chlorite within the veins.						112.0	113.0	1	0.0025	2.5	0.25	11	42	A0053199	
Overall, the unit has trace blebby pyrite and trace disseminated pyrite.						113.0	114.0	1	0.092	2.5	0.25	9	44	A0053200	
						114.0	115.0	1	0.035	2.5	0.25	12	44	A0053201	
						115.0	116.0	1	0.045	2.5	0.25	11	38	A0053202	
						116.0	117.0	1	0.188	2.5	0.25	6	37	A0053203	
						117.0	118.0	1	0.12	2.5	0.25	4	35	A0053205	
						118.0	118.87	0.87	0.298	2.5	0.25	5	34	A0053206	

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
118.87	144	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREY	118.87	120.0	1.13	0.005	2.5	0.25	3	127	A0053207
An intermediate volcanoclastic unit with large clasts and the healed breccia texture. The unit starts with weakly deformed clasts and moves to very elongate and deformed clasts by 127 m. By 131 m we start to see the rounder clasts again until 144 m where the unit becomes finer grained once more and we start to see elongated clasts again.														
The healed breccia texture is present throughout the host rock, which has infill of chlorite. Moderate fracture-fill chlorite, patchy weak carbonate, patchy weak silica and moderate pervasive sericite alteration are all present within the unit. The silica and carbonate alteration affect the clasts while the chlorite and sericite affect the host rock and areas surrounding quartz veins.														
A small deformation zone is found around the quartz vein at 121.13 m, with 2% disseminated pyrite in the surrounding alteration halo.														
Quartz veins make up 0.5% of the unit. Each vein has moderate patchy carbonate and weak fracture-fill chlorite. Trace blebby pyrite and trace fracture-fill pyrite is present.														
Overall, the unit contains 1% blebby pyrite and trace disseminated pyrite.														
						120.0	121.0	1	0.0025	2.5	0.25	2	132	A0053208
						121.0	122.0	1	0.013	2.5	0.25	29	143	A0053209
						122.0	123.0	1	1.21	2.5	0.7	24	122	A0053210
						123.0	124.0	1	0.0025	2.5	0.25	33	136	A0053211
						124.0	125.0	1	0.0025	2.5	0.25	27	117	A0053212
						125.0	126.0	1	0.0025	2.5	0.25	24	142	A0053213
						126.0	127.0	1	0.0025	2.5	0.25	45	153	A0053214
						127.0	128.0	1	0.0025	2.5	0.25	82	143	A0053215
						128.0	129.0	1	0.0025	2.5	0.25	60	133	A0053216
						129.0	130.0	1	0.0025	9	0.25	97	140	A0053218
						130.0	131.0	1	0.0025	8	0.25	102	141	A0053219
						131.0	132.0	1	0.0025	2.5	0.25	79	165	A0053220
						132.0	133.0	1	0.0025	7	0.25	9	81	A0053221
						133.0	134.0	1	0.005	2.5	0.25	78	116	A0053222
						134.0	135.0	1	0.01	2.5	0.25	80	125	A0053223
						135.0	136.0	1	0.047	5	0.25	76	114	A0053224
						136.0	137.0	1	0.011	5	0.25	83	127	A0053225
						137.0	138.0	1	0.15	5	0.25	84	125	A0053226
						138.0	139.0	1	0.166	2.5	0.25	100	133	A0053227
						139.0	140.0	1	0.021	5	0.25	96	133	A0053228
						140.0	141.0	1	0.0025	2.5	0.25	87	139	A0053229
						141.0	142.0	1	1.235	2.5	0.25	80	124	A0053231
						142.0	143.0	1	0.0025	2.5	0.25	58	148	A0053232
						143.0	144.0	1	0.0025	2.5	0.25	15	93	A0053233

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
144	168.42	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREY	144.0	145.0	1	0.065	2.5	0.25	16	102	A0053234
		Intermediate volcaniclastic unit starts as very elongate and fine grained clasts, by 151 the clasts are less deformed and more rounded but still elongated. The healed breccia texture with chlorite infill is present throughout the unit. Moderate fracture-fill chlorite, moderate patchy carbonate and moderate pervasive sericite alteration are present. Past 165 alteration starts to increase and mineralization increases.				145.0	146.0	1	0.0025	5	0.25	17	83	A0053235
		Quartz veins make up 2% of the overall unit, most have moderate patchy carbonate alteration and moderate fracture-fill chlorite. Minor wispy tourmaline is also present. 1% blebby pyrite and 1% fracture-fill pyrite.				146.0	147.0	1	0.01	2.5	0.25	20	79	A0053236
		Overall the unit has 1% blebby pyrite and 1% disseminated pyrite.				147.0	148.0	1	0.027	2.5	0.25	14	87	A0053237
						148.0	149.0	1	0.026	5	0.25	21	76	A0053238
						149.0	150.0	1	0.0025	5	0.25	9	64	A0053239
						150.0	151.0	1	0.0025	2.5	0.25	4	100	A0053240
						151.0	152.0	1	0.0025	2.5	0.25	29	107	A0053241
						152.0	153.0	1	0.0025	2.5	0.25	92	129	A0053242
						153.0	154.0	1	0.024	2.5	0.25	137	157	A0053244
						154.0	155.0	1	0.521	2.5	0.25	104	139	A0053245
						155.0	156.0	1	0.005	2.5	0.25	67	143	A0053246
						156.0	157.0	1	0.006	2.5	0.25	118	137	A0053247
						157.0	158.0	1	0.0025	5	0.25	100	151	A0053248
						158.0	159.0	1	0.0025	2.5	0.25	56	137	A0053249
						159.0	160.0	1	0.0025	2.5	0.25	11	56	A0053250
						160.0	161.0	1	0.0025	5	0.25	13	64	A0053251
						161.0	162.0	1	0.0025	5	0.25	57	159	A0053252
						162.0	163.0	1	0.0025	2.5	0.25	62	156	A0053253
						163.0	164.0	1	0.0025	2.5	0.25	44	132	A0053254
						164.0	165.0	1	0.0025	5	0.25	41	160	A0053255
						165.0	166.0	1	0.0025	6	0.25	57	140	A0053257
						166.0	167.0	1	0.009	2.5	0.25	61	124	A0053258
						167.0	167.62	0.62	0.2	5	0.25	66	118	A0053259
						167.62	168.42	0.8	0.008	2.5	0.25	44	132	A0053260

Project: Van Horne	Hole Number: VH19-010
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
168.42	170.4	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	VERY FINE	DARK GREY	168.42	169.0	0.58	2.11	11	1.2	53	155	A0053261
Dark grey - beige unit with increased deformation and alteration. Moderate pervasive sericite, moderate pervasive silica moderate patchy carbonate and weak fracture-fill chlorite are present. The healed breccia texture is present around quartz veins. A deformation zone forms around the two large quartz veins present within the unit.						169.0	169.67	0.67	0.051	2.5	0.25	53	223	A0053262
The unit has two large quartz veins, 168.69 - 168.75 m and 169.49 - 169.59 m. Both have minor patchy tourmaline, weak fracture-fill chlorite and moderate patchy carbonate alteration. Areas surrounding the quartz veins have an increased amount of alteration, deformation and mineralization.						169.67	170.4	0.73	0.036	16	0.25	51	292	A0053263
The unit overall has 2% disseminated pyrite, 2% fracture-fill pyrite and 1% blebby pyrite.														
170.4	174.56	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	170.4	171.0	0.6	0.007	2.5	0.25	4	29	A0053264
Strong pervasive potassic alteration, weak patchy carbonate alteration and weak fracture-fill chlorite alteration. Both upper and lower contacts between QFP and IVCL are gradational.						171.0	172.0	1	0.438	2.5	0.25	4	26	A0053265
Quartz veins make up 2% of the unit. Weak fracture-fill chlorite and weak patchy carbonate are present; tourmaline is also present in a moderate amount. The two large veins at 172.21 - 172.27 m and 173.6 - 173.64. Mineralization within and around the veins include 2% blebby pyrite, 1% fracture-fill pyrite and trace blebby chalcopyrite.						172.0	173.0	1	0.139	2.5	0.25	2	30	A0053266
						173.0	174.0	1	0.046	2.5	0.25	4	26	A0053267
						174.0	174.56	0.56	0.062	2.5	0.25	8	32	A0053268
The unit itself have trace disseminated pyrite and 1% blebby pyrite.														
174.56	188.81	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	GREY	174.56	175.1	0.54	0.041	38	0.25	63	209	A0053270
The unit is grey - beige due to the amount of alteration. The healed breccia texture is present throughout the unit, with infill chlorite. Patchy weak sericite, moderate patchy carbonate and weak fracture-fill chlorite alteration are present.						175.1	176.0	0.9	0.015	8	0.25	29	100	A0053271
Quartz veins make up 0.5% of the unit. Most veins have weak patchy carbonate alteration and weak fracture-fill chlorite. Trace disseminated pyrite and trace fracture-fill pyrite are present.						176.0	177.0	1	0.008	2.5	0.25	49	88	A0053272
						177.0	178.0	1	0.0025	2.5	0.25	44	95	A0053273
						178.0	179.0	1	0.006	2.5	0.25	37	88	A0053274
Between 186 - 187 m the unit becomes finer grained, with mineralization increasing immensely. 5% fracture-fill pyrite and 2% blebby pyrite is present within the last 3 meters of the unit. Averaging it over the unit brings it to 2% fracture-fill pyrite and 1% blebby pyrite.						179.0	180.0	1	0.0025	2.5	0.25	37	87	A0053275
						180.0	181.0	1	0.0025	2.5	0.25	37	93	A0053276
						181.0	182.0	1	0.0025	2.5	0.25	43	95	A0053277
						182.0	183.0	1	0.0025	2.5	0.25	24	98	A0053278
						183.0	184.0	1	0.0025	2.5	0.25	46	106	A0053279
						184.0	185.0	1	0.0025	2.5	0.25	42	111	A0053280
						185.0	186.0	1	0.0025	2.5	0.25	54	135	A0053281
						186.0	187.0	1	0.01	10	0.5	48	1,285	A0053283
						187.0	188.0	1	0.005	2.5	0.25	40	236	A0053284
						188.0	188.81	0.81	0.086	57	1.2	102	9,550	A0053285

Project: Van Horne	Hole Number: VH19-010
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
188.81	190.78	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	188.81	189.35	0.54	0.07	61	0.5	73	3,510	A0053286
		More deformed and altered than previous unit. Moderate pervasive sericite, moderate fracture-fill chlorite and weak patchy carbonate is present.				189.35	190.0	0.65	0.013	18	0.25	12	134	A0053287
						190.0	190.78	0.78	0.129	54	0.9	56	774	A0053288

The unit is made of 2% quartz veins, with moderate patchy carbonate and weak fracture-fill chlorite alteration. The vein margins have 1% blebby pyrite and 1% fracture-fill pyrite.

Overall the unit has 5% fracture-fill pyrite and 2% blebby pyrite.

190.78	192.13	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	190.78	191.38	0.6	0.02	2.5	0.25	11	59	A0053289
		A small QFP unit, with small chlorite stringers and quartz veins but no mineralization until the lower contact of the unit. This small unit contains moderate pervasive potassic alteration, weak patchy silica alteration and weak patchy carbonate alteration.				191.38	192.15	0.77	0.115	40	3.8	222	20,100	A0053290

The lower contact of this unit has a quartz vein zone between 192.01 - 192.10 m. This zone contains weak fracture-fill chlorite and weak patchy carbonate alteration. The vein zone itself contains 7% fracture-fill pyrite and 3% blebby pyrite.

Overall the unit contains trace disseminated pyrite, 3% fracture-fill pyrite and 1% blebby pyrite. The pyrite within the quartz vein is averaged into the overall unit size.

192.13	195.92	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	DARK GREY	192.13	192.15	0.77	0.115	40	3.8	222	20,100	A0053290
		An intermediate volcanic unit which displays a massive texture until the end of the unit where the healed breccia texture appears with proximity to the QFP contact. Weak patchy carbonate alteration, weak pervasive sericite alteration and weak fracture-fill chlorite alteration is present within the unit.				192.15	193.0	0.85	0.147	109	1.5	110	6,510	A0053291
						193.0	194.0	1	0.016	6	0.25	59	2,690	A0053292
		Quartz veins make up 1% of the unit. These veins have weak fracture-fill chlorite and weak patchy carbonate. 1 - 3% fracture-fill pyrite is present within the quartz veins.				194.0	195.0	1	0.021	16	0.5	24	2,150	A0053293
						195.0	195.92	0.92	0.015	5	0.25	7	180	A0053294

Overall, the unit contains 1% blebby pyrite, 1% fracture-fill pyrite and trace disseminated pyrite.

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
195.92	214.91	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	195.92	197.0	1.08	0.012	2.5	0.25	5	69	A0053296
QFP unit with minor chlorite stringers throughout the unit. Moderate pervasive potassic alteration, weak patchy carbonate alteration and weak fracture-fill chlorite alteration are present within the unit.						197.0	198.0	1	0.055	2.5	0.25	5	34	A0053297
Quartz veins make up 2% of the overall unit, most contain a strong vuggy texture. Weak patchy carbonate alteration and weak fracture-fill chlorite. Trace fracture-fill pyrite, trace blebby pyrite.						198.0	199.0	1	0.005	2.5	0.25	5	40	A0053298
Overall the unit has trace fracture-fill pyrite and trace blebby pyrite.						199.0	200.0	1	0.01	2.5	0.25	6	32	A0053299
The lower contact between the QFP and the IVCL has an undulose texture and stretches from 214.91 - 215.22 m						200.0	201.0	1	0.013	2.5	0.25	3	30	A0053300
						201.0	202.0	1	0.012	2.5	0.25	4	31	A0053301
						202.0	203.0	1	0.0025	2.5	0.25	6	39	A0053302
						203.0	204.0	1	0.108	2.5	0.25	6	29	A0053303
						204.0	205.0	1	0.095	2.5	0.25	10	32	A0053304
						205.0	206.0	1	0.068	2.5	0.25	11	34	A0053305
						206.0	207.0	1	0.059	2.5	0.25	9	31	A0053306
						207.0	208.0	1	0.101	2.5	0.25	10	31	A0053307
						208.0	209.0	1	0.063	2.5	0.25	9	32	A0053309
						209.0	210.0	1	0.081	2.5	0.25	10	30	A0053310
						210.0	211.0	1	0.07	2.5	0.25	28	35	A0053311
						211.0	212.0	1	0.095	2.5	0.25	4	27	A0053312
						212.0	213.0	1	0.106	2.5	0.25	5	26	A0053313
						213.0	214.0	1	0.269	2.5	0.25	6	31	A0053314
						214.0	214.95	0.95	0.071	2.5	0.25	11	36	A0053315

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
214.91	230.98	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	GREY	214.0	214.95	0.95	0.071	2.5	0.25	11	36	A0053315
Intermediate volcanics unit with the healed breccia texture present throughout the unit. The clasts in the unit are moderately elongated and moderately - strongly altered. strong pervasive silica alteration, moderate patchy carbonate alteration and moderate fracture-fill chlorite alteration.						214.95	216.0	1.05	0.038	5	0.25	48	121	A0053316
Quartz veins make up 1% of the unit. Moderate patchy carbonate and weak fracture-fill chlorite alteration are present; minor wispy tourmaline is also present. Trace blebby pyrite and trace fracture-fill pyrite present within the vein margins.						216.0	217.0	1	0.411	6	0.25	32	129	A0053317
Overall, the unit contains 1% blebby pyrite, 1% fracture-fill pyrite and trace disseminated pyrite. The lower contact between the IVCL and IV has more mineralization.						217.0	218.0	1	0.03	5	0.25	21	104	A0053318
						218.0	219.0	1	0.006	6	0.25	32	102	A0053319
						219.0	220.0	1	0.0025	2.5	0.25	26	121	A0053320
						220.0	221.0	1	0.0025	10	0.25	32	126	A0053322
						221.0	222.0	1	0.0025	2.5	0.25	63	129	A0053323
						222.0	223.0	1	0.0025	2.5	0.25	28	115	A0053324
						223.0	224.0	1	0.0025	5	0.25	42	114	A0053325
						224.0	225.0	1	0.0025	6	0.25	41	117	A0053326
						225.0	226.0	1	0.0025	5	0.25	37	105	A0053327
						226.0	227.0	1	0.0025	14	0.25	49	136	A0053328
						227.0	228.0	1	0.0025	5	0.25	41	163	A0053329
						228.0	229.0	1	0.0025	2.5	0.25	50	135	A0053330
						229.0	230.0	1	0.0025	2.5	0.25	49	134	A0053331
						230.0	231.0	1	0.0025	2.5	0.25	39	155	A0053332
230.98	233.18	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREY	230.0	231.0	1	0.0025	2.5	0.25	39	155	A0053332
A small massive intermediate volcanic unit, with no clasts. The lower contact between the IV and QFP has the healed breccia texture with chlorite infill. Weak patchy silica. and weak patchy carbonate alteration are present. The unit has a gradational contact between the IVCL and IV.						231.0	232.0	1	0.012	6	0.25	46	245	A0053333
Quartz veins make up 10% of the unit, with moderate patchy carbonate alteration and weak fracture-fill chlorite alteration. The veins have 1% blebby pyrite and 1% fracture-fill pyrite surrounding their margins.						232.0	233.2	1.2	0.008	6	0.25	40	189	A0053335
Overall, the unit has 1% disseminated pyrite, 2% fracture-fill pyrite and 1% blebby pyrite.														
231.38 - 231.7 : Quartz Vein Set, Small 1/2 - 1 cm quartz veins.														

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
233.18	243.17	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	232.0	233.2	1.2	0.008	6	0.25	40	189	A0053335
A QFP unit between two IVCL units, with a sharp upper and lower contact. Strong pervasive potassic alteration, weak patchy carbonate alteration and weak fracture-fill chlorite alteration are present within the unit. The fracture-fill chlorite is present both as stringers and within quartz veins.						233.2	234.0	0.8	0.092	2.5	0.25	7	36	A0053336
						234.0	235.0	1	0.057	2.5	0.25	33	30	A0053337
Quartz veins make up 1% of the unit. Moderate patchy carbonate and moderate patchy carbonate alteration are present; minor patchy tourmaline is also present. Blebbly 1% pyrite and 1% fracture-fill pyrite are present within the quartz veins and their margins.						235.0	236.0	1	0.104	2.5	0.25	6	29	A0053338
Overall, the unit has 1% blebbly pyrite and 1% fracture-fill pyrite.						236.0	237.0	1	0.142	2.5	0.25	7	27	A0053339
						237.0	238.0	1	0.121	5	0.25	7	31	A0053340
						238.0	239.0	1	0.017	2.5	0.25	9	39	A0053341
						239.0	240.0	1	0.038	2.5	0.25	9	27	A0053342
						240.0	241.0	1	0.072	2.5	0.25	8	27	A0053343
						241.0	242.0	1	0.068	2.5	0.25	12	27	A0053344
						242.0	243.17	1.17	0.043	2.5	0.25	9	40	A0053345

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
243.17	265.89	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	243.17	244.0	0.83	0.374	8	0.25	35	120	A0053346
<p>An intermediate volcanoclastic unit which is fine grained and grey - light grey in colour. This unit shows intense deformation and alteration, showing both elongate clasts and signs of the healed breccia. Strong pervasive silica alteration, moderate patchy carbonate and moderate fracture-fill chlorite alteration are all present. The unit shows signs of mineralization around the massive fine-grained clasts within the unit. The lower contact of this unit is a deformation zone within the same IVCL unit, and shows a significant increase in mineralization past 264 m.</p> <p>Quartz veins make up 3% of the overall unit, mostly showing signs of deformation; most pinch and swell in size. Weak patchy carbonate and weak fracture-fill chlorite are present in all veins. Trace disseminated pyrite appear within quartz margins.</p> <p>Overall, the unit contains 1% blebby pyrite, trace fracture-fill pyrite and trace disseminated pyrite.</p>														
						244.0	245.0	1	0.0025	6	0.25	39	98	A0053348
						245.0	246.0	1	0.0025	6	0.25	29	94	A0053349
						246.0	247.0	1	0.0025	9	0.25	37	91	A0053350
						247.0	248.0	1	0.0025	5	0.25	48	78	A0053351
						248.0	249.0	1	0.0025	7	0.25	35	89	A0053352
						249.0	250.0	1	0.0025	7	0.25	38	80	A0053353
						250.0	251.0	1	0.0025	7	0.25	26	86	A0053354
						251.0	252.0	1	0.005	5	0.25	47	111	A0053355
						252.0	253.0	1	0.062	7	0.25	48	98	A0053356
						253.0	254.0	1	0.196	2.5	0.25	31	72	A0053357
						254.0	255.0	1	0.0025	11	0.25	34	98	A0053358
						255.0	256.0	1	0.0025	9	0.25	23	91	A0053359
						256.0	257.0	1	0.0025	14	0.25	30	98	A0053361
						257.0	258.0	1	0.0025	6	0.25	39	113	A0053362
						258.0	259.0	1	0.0025	8	0.25	31	100	A0053363
						259.0	260.0	1	0.0025	2.5	0.25	39	112	A0053364
						260.0	261.0	1	0.006	6	0.25	38	118	A0053365
						261.0	262.0	1	0.0025	8	0.25	38	140	A0053366
						262.0	263.0	1	0.015	5	0.25	43	101	A0053367
						263.0	264.0	1	0.006	5	0.25	50	106	A0053368
						264.0	265.0	1	0.604	8	0.25	46	114	A0053369
						265.0	265.89	0.89	0.0025	2.5	0.25	44	119	A0053370
265.89	266.47	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	VERY FINE	LIGHT GREY	265.89	266.47	0.58	0.007	15	0.25	8	22	A0053371
<p>A deformation zone within the IVCL unit. This zone shows strong pervasive silica, strong patchy carbonate and moderate fracture-fill chlorite. The clasts within the unit are all elongate and sub-angular to rounded.</p> <p>This unit has two quartz veins as the contact between the IVCL and the deformation zone. They both show moderate patchy carbonate alteration.</p> <p>The entire unit has 3% disseminated pyrite and 1% fracture-fill pyrite.</p>														

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
266.47	305.74	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	LIGHT GREY	266.47	267.0	0.53	0.0025	6	0.25	26	122	A0053372
Intermediate volcaniclastic unit with moderate strong alteration and moderate deformation. Clasts range from round silica clasts to large massive fine grained clasts. Most clasts are elongated and altered, while the massive fine-grained clasts are less altered and moderately deformed. The healed breccia texture is present throughout the unit. Strong pervasive silica, moderate pervasive carbonate and moderate fracture-fill chlorite alteration is present throughout the whole unit.														
Quartz veins make up 5% of the overall unit. Some veins contain as much as 10% fracture-fill pyrite and 2% blebby pyrite, such as the vein from 280.08 280.20 m. Moderate fracture-fill chlorite and moderate patchy carbonate are present within most veins. The veins average 2% fracture-fill pyrite and trace blebby pyrite within the quartz veins and vein margins.														
Overall, the unit has consistent fracture-fill pyrite and blebby pyrite. In some areas, as much as 10% of the host rock is made of fracture-fill pyrite and in other places it drops to trace 1%. Averaging out the pyrite within the whole unit would put it at 4% fracture-fill pyrite and 1% blebby pyrite with trace disseminated pyrite and trace disseminated chalcopyrite. The mineralization increases within areas of chlorite infilling, particularly around clast boundaries.														
						267.0	268.0	1	0.014	13	0.25	115	230	A0053374
						268.0	269.0	1	0.005	6	0.25	39	159	A0053375
						269.0	270.0	1	0.014	2.5	0.25	38	144	A0053376
						270.0	271.0	1	0.0025	7	0.25	48	124	A0053377
						271.0	272.0	1	0.0025	5	0.25	28	123	A0053378
						272.0	273.0	1	0.0025	2.5	0.25	39	169	A0053379
						273.0	274.0	1	0.0025	9	0.25	47	343	A0053380
						274.0	275.0	1	0.01	18	0.25	59	253	A0053381
						275.0	276.0	1	0.0025	2.5	0.25	39	153	A0053382
						276.0	277.0	1	0.009	20	0.25	53	137	A0053383
						277.0	278.0	1	0.014	15	0.25	52	156	A0053384
						278.0	279.0	1	0.021	32	0.25	50	193	A0053385
						279.0	280.0	1	0.093	100	7.9	1,150	3,980	A0053387
						280.0	281.0	1	0.11	51	3.7	682	1,590	A0053388
						281.0	282.0	1	0.012	19	1.3	57	1,520	A0053389
						282.0	283.0	1	0.015	36	0.25	64	195	A0053390
						283.0	284.0	1	0.005	2.5	0.25	65	126	A0053391
						284.0	285.0	1	0.075	16	0.25	84	104	A0053392
						285.0	286.0	1	0.01	7	0.25	86	142	A0053393
						286.0	287.0	1	0.0025	2.5	0.25	51	116	A0053394
						287.0	288.0	1	0.0025	2.5	0.25	54	110	A0053395
						288.0	289.0	1	0.0025	6	0.25	62	83	A0053396
						289.0	290.0	1	0.005	9	0.25	71	98	A0053397
						290.0	291.0	1	0.018	11	0.25	67	99	A0053398
						291.0	292.0	1	0.013	8	0.25	48	100	A0053400
						292.0	293.0	1	0.0025	2.5	0.25	61	118	A0053401
						293.0	294.0	1	0.037	7	0.25	55	122	A0053402
						294.0	295.0	1	0.053	10	0.25	60	122	A0053403
						295.0	296.0	1	0.031	2.5	0.25	64	131	A0053404
						296.0	297.0	1	0.04	9	0.25	65	99	A0053405

Project: Van Horne

Hole Number: VH19-010

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						297.0	298.0	1	0.432	20	0.25	50	129	A0053406
						298.0	299.0	1	0.381	17	0.25	54	135	A0053407
						299.0	300.0	1	1.09	13	0.7	49	173	A0053408
						300.0	301.0	1	1.655	18	0.25	45	964	A0053409
						301.0	302.0	1	2.42	12	0.25	49	134	A0053410
						302.0	303.0	1	0.011	2.5	0.25	53	128	A0053411
						303.0	304.0	1	2.64	8	0.25	87	175	A0053413
						304.0	305.0	1	0.006	2.5	0.25	66	114	A0053414
						305.0	305.77	0.77	0.08	6	0.25	55	281	A0053415
305.74	311.35	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	BUFF	305.0	305.77	0.77	0.08	6	0.25	55	281	A0053415
A QFP which is very fine-grained, and tan - grey in colour. The unit has less potassic alteration than previous QFPs. Weak pervasive potassic alteration, weak patchy carbonate alteration and weak fracture-fill chlorite alteration. Chlorite stringers are present within the unit.						305.77	307.0	1.23	3.41	7	0.25	6	32	A0053416
Quartz veins make up 10% of the unit. Weak fracture-fill chlorite and weak patchy carbonate alteration is present within the quartz veins. Moderate fracture-fill tourmaline is present within most veins. 2% fracture-fill pyrite and 1% blebby pyrite are present within most veins.						307.0	308.0	1	0.848	2.5	0.25	7	55	A0053417
Overall, the unit has 1% blebby pyrite, 1% fracture-fill pyrite and trace disseminated pyrite.						308.0	309.0	1	0.145	2.5	0.25	6	24	A0053418
309.05 - 309.48 : Quartz Vein Zone, Irregular cross cutting veins, zone 60% host rock, 50% quartz veins. fracture-fill tourmaline present within some veins.						309.0	310.0	1	0.56	2.5	0.25	7	23	A0053419
						310.0	310.8	0.8	0.693	6	0.25	14	94	A0053420
						310.8	311.35	0.55	0.186	5	0.25	16	40	A0053421
311.35	312	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICITIC	FINE	GREY	311.35	312.0	0.65	0.013	2.5	0.25	69	89	A0053422
The end of the hole, an intermediate volcanoclastic unit with the healed breccia texture. Moderate patchy silica (quartz eyes) alteration, moderate patchy carbonate alteration and weak fracture-fill chlorite alteration is present.														
Overall, the unit has trace disseminated pyrite and 1% blebby pyrite.														

Project: Van Horne

Hole Number: VH19-011

Drill Hole

Prospect: VH-GLATZ
Year: 2019
Hole Size: NQ
Orient: ACT III
Hole Status: COMPLETE
Operator: KGC EXPLORATION
Geologist: PERCY CLARK
Casing Depth: 10
EOH: 369
Logged Depth: 369

Drilling

Start Date: Sep-15-2019
End Date: Sep-20-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 505,417
Northing: 5,508,311
Elevation: 350

Comments: Sandy-Silt at 15m depth. Casing sunk additional 3feet on next shift.

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
11.35	19.92	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREY	11.35	12.0	0.65	0.0025	8	0.25	76	119	A0053423
An intermediate volcanic unit which is weakly deformed and altered. This unit is the top of the hole, making it blocky in the first few meters. The unit has weak patchy silica alteration, weak pervasive sericite alteration and weak patchy carbonate alteration. The unit also has minor shear fractures with moderate pervasive ankerite alteration surrounding them.						12.0	13.0	1	0.012	11	0.25	107	127	A0053424
Quartz veins make up 0.5% of the unit. Weak patchy carbonate alteration and slight vuggs are present within the veins. Trace disseminated pyrite is present within the quartz vein margins.						13.0	14.0	1	0.01	12	0.25	42	83	A0053426
Overall, the unit has trace disseminated pyrite. 1% blebby pyrite is found within the shear fractures near the top of the hole.						14.0	15.0	1	0.0025	2.5	0.25	24	130	A0053427
						15.0	16.0	1	0.0025	7	0.25	35	116	A0053428
						16.0	17.0	1	0.0025	5	0.25	11	149	A0053429
						17.0	18.0	1	0.006	5	0.25	44	160	A0053430
						18.0	19.0	1	0.057	6	0.25	81	405	A0053431
						19.0	19.95	0.95	0.015	7	0.25	32	227	A0053432
19.92	27.14	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	GREY	19.0	19.95	0.95	0.015	7	0.25	32	227	A0053432
An intermediate volcanic unit with increased deformation and alteration. The unit has moderate pervasive sericite, moderate patchy carbonate, weak fracture-fill chlorite and weak pervasive ankerite. The unit has a gradual contact into the IVCL unit.						19.95	21.0	1.05	0.094	5	0.25	45	177	A0053433
The quartz veins in the unit contain trace fracture-fill pyrite and trace blebby pyrite. Weak patchy chlorite and weak patchy carbonate alteration is present.						21.0	22.0	1	0.187	10	0.25	36	214	A0053434
Overall, the unit contains 1% disseminated pyrite and 1% fracture-fill pyrite.						22.0	23.0	1	0.007	5	0.25	35	186	A0053435
						23.0	23.9	0.9	0.011	2.5	0.25	45	157	A0053436
						23.9	25.0	1.1	0.355	6	0.25	41	145	A0053437
						25.0	26.0	1	2.27	11	0.6	36	144	A0053439
						26.0	26.5	0.5	0.007	2.5	0.25	42	133	A0053440
						26.5	27.24	0.74	0.425	6	0.25	43	162	A0053441

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
27.14	34.45	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	26.5	27.24	0.74	0.425	6	0.25	43	162	A0053441
<p>An intermediate volcanoclastic unit. The unit has areas of strong pervasive sericite around shear fractures and quartz veins. The unit has moderate pervasive sericite, moderate patchy carbonate and weak fracture-fill chlorite alteration. The clasts in this unit are rounded to sub-angular. The unit displays slight healed breccia texture. The unit lower contact is with a deformation zone with increasing alteration starting at 32.74 m. Between 30.92 - 32.94 m is a shear fracture zone with increase pervasive ankerite alteration.</p> <p>The unit is made of 1% quartz carbonate veins. The veins have moderate patchy carbonate alteration and weak fracture-fill chlorite. The veins have 1% blebby pyrite and trace fracture-fill pyrite.</p> <p>Overall, the unit has 1% blebby pyrite, 1% fracture-fill pyrite and trace disseminated pyrite.</p>						27.24	28.0	0.76	0.013	5	0.25	47	147	A0053442
						28.0	29.0	1	0.058	6	0.25	61	138	A0053443
						29.0	30.0	1	0.013	12	0.25	62	129	A0053444
						30.0	30.92	0.92	0.0025	5	0.25	74	133	A0053445
						30.92	32.0	1.08	0.012	9	0.25	78	107	A0053446
						32.0	32.94	0.94	0.0025	2.5	0.25	51	103	A0053447
						32.94	33.7	0.76	0.0025	5	0.25	81	93	A0053448
						33.7	34.45	0.75	0.005	2.5	0.25	87	74	A0053449
34.45	35.14	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	VERY FINE	LIGHT GREY	34.45	35.14	0.69	0.03	6	0.25	54	52	A0053450
<p>A deformation zone within the IVCL unit. The area has intense pervasive sericite alteration, weak patchy potassic alteration, weak patchy carbonate alteration and weak fracture-fill chlorite alteration.</p> <p>The quartz veins in the unit display a strong vuggy texture with moderate patchy carbonate and moderate fracture-fill chlorite alteration. The veins also have 1% blebby pyrite within the vuggs.</p> <p>Overall, the unit has 1% blebby pyrite and trace disseminated pyrite.</p>														
35.14	48	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	35.14	36.0	0.86	0.005	8	0.25	34	86	A0053452
<p>An intermediate volcanoclastic unit with rounded to elongate clasts. Moderate patchy silica, moderate patchy carbonate and weak fracture-fill chlorite alteration is present within the unit. The unit has a lower gradual contact with a deformation zone. This unit also has minor shear fractures.</p> <p>The quartz veins make up 1% of the unit. The quartz veins contain weak patchy carbonate alteration, weak fracture-fill chlorite and weak patchy chlorite. 1% fracture-fill pyrite and trace disseminated pyrite around found within the quartz vein margins. Minor wispy tourmaline is also present within some veins.</p> <p>Overall, the unit has trace fracture-fill, trace blebby pyrite and trace disseminated pyrite.</p>						36.0	37.0	1	0.0025	6	0.25	134	108	A0053453
						37.0	38.0	1	0.0025	2.5	0.25	39	125	A0053454
						38.0	39.0	1	0.0025	2.5	0.25	55	133	A0053455
						39.0	40.0	1	0.0025	2.5	0.25	60	116	A0053456
						40.0	41.0	1	0.0025	5	0.25	56	117	A0053457
						41.0	42.0	1	0.0025	2.5	0.25	65	120	A0053458
						42.0	43.0	1	0.0025	2.5	0.25	74	113	A0053459
						43.0	44.0	1	0.0025	2.5	0.25	78	130	A0053460
						44.0	45.0	1	0.0025	6	0.25	59	111	A0053461
						45.0	46.0	1	0.0025	2.5	0.25	77	117	A0053462
46.0	47.0	1	0.0025	2.5	0.25	45	106	A0053463						
47.0	48.0	1	0.006	5	0.25	68	105	A0053465						

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
48	49.17	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	LIGHT GREY	48.0	48.63	0.63	0.0025	2.5	0.25	19	98	A0053466

A deformation zone within the IVCL unit. Clasts are mostly elongate and follow a strong foliation. moderate - strong pervasive sericite, moderate patchy carbonate and weak fracture-fill chlorite alteration is present. This unit has some healed breccia texture within the lower half of the zone.

The unit has few wide quartz veins, which make up 5% of the unit. These veins have moderate patchy carbonate and moderate fracture-fill chlorite; weak wispy tourmaline is also present. 1% disseminated pyrite and trace fracture-fill pyrite is present within the veins.

Overall, the unit does not have increased mineralization compared to surrounding units, and has trace fracture-fill pyrite and trace disseminated pyrite.

48.63	49.17	0.54	0.011	6	0.25	58	69	A0053467
-------	-------	------	-------	---	------	----	----	----------

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
49.17	100.09	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	49.17	50.0	0.83	0.0025	2.5	0.25	65	116	A0053468
An intermediate volcaniclastic unit with varying alteration but moderate deformation. The clasts are generally rounded - ellipse shaped, elongated and altered heavily to silica and sericite. The unit has moderate - strong patchy sericite, weak patchy carbonate, weak fracture-fill chlorite and subtle pervasive ankerite (within shear fractures). The clasts are mostly altering to patchy sericite + carbonate; alteration varies within areas both near shear fractures and quartz veins.														
Quartz veins make up 2% of the unit. Moderate patchy carbonate and moderate fracture-fill chlorite are present within the quartz veins; minor - moderate wispy tourmaline is also present within some veins. Mineralization generally increases around quartz vein and vein margins, the vein at 66.83 - 66.85 m being 90% pyrite. Typically veins have 1-2 % disseminated pyrite, 1% fracture-fill pyrite and trace blebby pyrite.														
Overall, the unit has 1% blebby pyrite, trace fracture-fill pyrite and trace disseminated pyrite.														
						50.0	51.0	1	0.0025	7	0.25	70	106	A0053469
						51.0	52.0	1	0.0025	2.5	0.25	43	114	A0053470
						52.0	53.0	1	0.0025	2.5	0.25	51	96	A0053471
						53.0	54.0	1	0.005	2.5	0.25	83	109	A0053472
						54.0	55.0	1	0.0025	8	0.25	44	90	A0053473
						55.0	56.0	1	0.0025	2.5	0.25	40	103	A0053474
						56.0	57.0	1	0.0025	2.5	0.25	31	98	A0053475
						57.0	58.0	1	0.0025	2.5	0.25	41	86	A0053476
						58.0	59.0	1	0.0025	9	0.25	30	91	A0053478
						59.0	60.0	1	0.0025	7	0.25	38	97	A0053479
						60.0	61.0	1	0.0025	7	0.25	29	99	A0053480
						61.0	62.0	1	0.0025	2.5	0.25	59	92	A0053481
						62.0	63.0	1	0.0025	2.5	0.25	53	94	A0053482
						63.0	64.0	1	0.0025	2.5	0.25	37	82	A0053483
						64.0	65.0	1	0.0025	6	0.25	45	92	A0053484
						65.0	66.0	1	0.005	8	0.25	81	88	A0053485
						66.0	67.0	1	0.005	2.5	0.25	54	98	A0053486
						67.0	68.0	1	0.005	6	0.25	36	99	A0053487
						68.0	69.0	1	0.005	8	0.25	27	91	A0053488
						69.0	70.0	1	0.008	7	0.25	36	112	A0053489
						70.0	71.0	1	0.007	6	0.25	54	78	A0053491
						71.0	72.0	1	0.023	6	0.25	42	89	A0053492
						72.0	73.0	1	0.01	2.5	0.25	62	113	A0053493
						73.0	74.0	1	0.009	6	0.25	57	85	A0053494
						74.0	75.0	1	0.016	24	0.25	63	119	A0053495
						75.0	76.0	1	0.0025	6	0.25	48	126	A0053496
						76.0	77.0	1	0.0025	7	0.25	36	130	A0053497
						77.0	78.0	1	0.013	8	0.25	56	256	A0053498
						78.0	79.0	1	0.494	15	0.25	38	319	A0053499
						79.0	80.0	1	0.007	5	0.25	9	192	A0053500

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						80.0	81.0	1	0.68	53	0.25	39	456	A0053501
						81.0	82.0	1	0.031	30	0.25	22	285	A0053502
						82.0	83.0	1	0.564	20	0.25	7	134	A0053504
						83.0	84.0	1	0.006	16	0.25	14	142	A0053505
						84.0	85.0	1	0.009	13	0.25	28	143	A0053506
						85.0	86.0	1	0.191	15	0.25	34	128	A0053507
						86.0	87.0	1	0.0025	12	0.25	7	135	A0053508
						87.0	88.0	1	0.0025	2.5	0.25	12	94	A0053509
						88.0	89.0	1	0.086	18	0.25	42	204	A0053510
						89.0	90.0	1	0.0025	6	0.25	20	194	A0053511
						90.0	91.0	1	0.013	8	0.25	47	248	A0053512
						91.0	92.0	1	5.15	24	0.25	54	271	A0053513
						92.0	93.0	1	0.76	23	0.25	30	141	A0053514
						93.0	94.0	1	0.206	11	0.25	31	284	A0053515
						94.0	95.0	1	0.253	9	0.25	9	167	A0053517
						95.0	96.0	1	0.008	6	0.25	5	194	A0053518
						96.0	97.0	1	0.0025	10	0.25	5	201	A0053519
						97.0	98.0	1	0.769	5	0.25	5	191	A0053520
						98.0	99.0	1	0.006	7	0.25	4	214	A0053521
						99.0	100.09	1.09	0.009	6	0.25	3	226	A0053522
100.09	103.05	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	LIGHT GREY	100.09	101.0	0.91	0.777	7	0.25	5	213	A0053523
		A deformation zone between the IVCL and IV units. This unit is light grey with the latter section of the unit being pink from potassic alteration. The clasts within the unit are altered to strong - moderate pervasive sericite and moderate patchy carbonate. Deformation is not consistent throughout the unit, with deformation and alteration lessening towards the lower contact of the zone.				101.0	102.0	1	0.086	10	0.25	5	128	A0053524
						102.0	103.05	1.05	0.009	2.5	0.25	5	257	A0053525

The zone contains very little quartz veins, with 0.5% of the unit being veins. The veins contain moderate patchy carbonate alteration and weak fracture-fill chlorite. The vein margins also contain 1-2% fracture-fill pyrite.

Overall, the zone contains 1% fracture-fill pyrite and trace disseminated pyrite.

Project: Van Horne	Hole Number: VH19-011
---------------------------	------------------------------

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
103.05	105.44	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREY	103.05	104.0	0.95	0.331	8	0.25	5	177	A0053526
		A small intermediate volcanic unit. The unit is weakly deformed but alteration varies. The upper contact between the IVCL and IV is sharp. With proximity to the lower contact between the IV and IVCL, alteration increases from weak pervasive sericite to strong pervasive sericite. Other than sericite, weak patchy carbonate alteration is also present.				104.0	104.75	0.75	0.006	10	0.25	3	153	A0053527
						104.75	105.44	0.69	0.01	30	0.25	6	141	A0053528

The unit contains small minor quartz veins, all which contain trace - 1% blebby pyrite within the margins. The veins also have weak patchy carbonate alteration.

Overall, the unit has 1% disseminated pyrite and trace fracture-fill pyrite.

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
105.44	130.5	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	105.44	106.0	0.56	0.017	45	0.25	4	132	A0053530
Intermediate volcanoclastic unit with moderate deformation and moderate to strong alteration. The majority of the unit has 1/2 cm quartz eye inclusions which gradually dies off around 130.5 m to an infill of chlorite, giving it a "healed breccia" texture. The contact is gradational from 129 - 130.5 m. Alteration varies little within the unit, the frequency of quartz eyes increases from the start to the middle of the unit though, and decreases from the middle to the lower contact. Strong patchy silica, weak - moderate patchy carbonate and moderate pervasive sericite alteration is present throughout the unit; a minor deformation zone is also present from 109.13 - 109.19 which has strong pervasive potassic alteration present along with the others in the unit.														
Quartz veins make up 1% of the overall unit, with the majority having weak fracture-fill chlorite and weak patchy carbonate alteration. Weak fracture-fill tourmaline is also present. Trace fracture-fill pyrite and trace blebby pyrite is also present within the quartz veins.														
Overall, the unit has trace blebby and trace disseminated pyrite. The areas of interest are mostly the quartz veins and deformation zones.														
						106.0	107.0	1	0.021	18	0.25	5	154	A0053531
						107.0	108.0	1	0.005	17	0.25	2	165	A0053532
						108.0	109.0	1	0.006	20	0.25	0.5	130	A0053533
						109.0	110.0	1	0.011	26	0.25	3	171	A0053534
						110.0	111.0	1	0.007	14	0.25	1	127	A0053535
						111.0	112.0	1	0.0025	13	0.25	9	210	A0053536
						112.0	113.0	1	0.007	12	0.25	16	196	A0053537
						113.0	114.0	1	0.022	15	0.25	19	151	A0053538
						114.0	115.0	1	0.005	10	0.25	14	168	A0053539
						115.0	116.0	1	0.011	15	0.25	62	153	A0053540
						116.0	117.0	1	0.0025	7	0.25	20	168	A0053541
						117.0	118.0	1	0.006	10	0.25	35	151	A0053543
						118.0	119.0	1	0.0025	2.5	0.25	40	140	A0053544
						119.0	120.0	1	0.0025	6	0.25	32	125	A0053545
						120.0	121.0	1	0.006	10	0.25	26	136	A0053546
						121.0	122.0	1	0.012	11	0.25	48	169	A0053547
						122.0	123.0	1	0.009	11	0.25	42	265	A0053548
						123.0	124.0	1	0.006	7	0.25	27	290	A0053549
						124.0	125.0	1	0.006	6	0.25	50	251	A0053550
						125.0	126.0	1	0.011	2.5	0.25	116	183	A0053551
						126.0	127.0	1	0.006	5	0.25	80	177	A0053552
						127.0	128.0	1	0.008	5	0.25	36	148	A0053553
						128.0	129.0	1	0.007	2.5	0.25	31	131	A0053554
						129.0	130.0	1	0.0025	2.5	0.25	24	134	A0053556
						130.0	130.5	0.5	0.0025	2.5	0.25	21	120	A0053557

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
130.5	134.51	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	FINE	DARK GREY	130.5	131.0	0.5	0.0025	2.5	0.25	49	119	A0053558
Intermediate volcanoclastic unit which has less quartz eyes alteration than the previous unit. This unit has moderate pervasive sericite, moderate pervasive carbonate and moderate fracture-fill chlorite. The healed breccia texture is present within the unit, with chlorite infill. The unit has a gradual upper contact and a sharp lower contact with a deformation zone.														
Quartz veins make up 0.5% of the unit and appear as crack fill veins. Weak fracture-fill chlorite appears in the vein margins. No mineralization appears near the veins.														
Overall, the unit has trace disseminated pyrite.														
131.0	132.0					131.0	132.0	1	0.0025	2.5	0.25	36	114	A0053559
132.0	133.0					132.0	133.0	1	0.0025	2.5	0.25	41	111	A0053560
133.0	133.7					133.0	133.7	0.7	0.0025	2.5	0.25	47	111	A0053561
133.7	134.32					133.7	134.32	0.62	0.0025	2.5	0.25	53	110	A0053562
134.32	135.2					134.32	135.2	0.88	0.0025	2.5	0.25	63	102	A0053563
134.51	135.16	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	FINE	BUFF	134.32	135.2	0.88	0.0025	2.5	0.25	63	102	A0053563
A small deformation zone with strong alteration and moderate deformation. Strong pervasive carbonate, strong pervasive sericite, moderate fracture-fill chlorite and weak patchy chlorite alteration is present. Alteration intensifies towards the quartz veins within the zone.														
The unit has a small zone between 134.51 - 134.6 m which has intense deformation and alteration with 60% quartz veins and the host rock is mostly carbonate and micas. Intense pervasive carbonate and intense pervasive sericite alteration is present around the quartz veins. Trace disseminated pyrite and trace fracture-fill pyrite can be found within the zone of quartz veins.														
Overall, the unit has trace blebby pyrite, trace disseminated pyrite and trace fracture-fill pyrite.														
135.16	149.23	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	FINE	DARK GREY	134.32	135.2	0.88	0.0025	2.5	0.25	63	102	A0053563
An intermediate volcanoclastic unit with varying sizes of clasts, moderate - strong alteration and moderate deformation. Strong pervasive carbonate, weak patchy silica, moderate fracture-fill chlorite and weak patchy chlorite alteration is present. The carbonate alteration causes the entire unit to strongly react to acid when applied. Between 136.78 -136.82 m and 137.73 - 137.85 m there is an increase to intense pervasive carbonate, strong pervasive sericite alteration and weak fracture-fill chlorite. These two areas also have increased mineralization of 2% blebby pyrite and appear around quartz veins. From 142.89 - 144 m the size of the clasts increases from 1/2 - 1 cm to 2 - 5 cm and are more angular but otherwise remains the same rock. The end of the unit has a large quartz vein zone from 149.01 - 149.23 m. It shows increased mineralization, with up to 2% blebby pyrite and 1% fracture-fill pyrite.														
Quartz veins make up 1% of the unit and generally have more alteration and mineralization than the host rock. The larger veins in the area mentioned above have alteration halos surrounding them, while the smaller ones are crack seal veins with little alteration or mineralization.														
Overall, the unit has 1% blebby pyrite, trace fracture-fill pyrite and trace disseminated pyrite.														
135.2	136.0					135.2	136.0	0.8	0.0025	5	0.25	47	142	A0053564
136.0	137.0					136.0	137.0	1	0.0025	2.5	0.25	13	133	A0053565
137.0	138.0					137.0	138.0	1	0.0025	2.5	0.25	60	128	A0053566
138.0	139.0					138.0	139.0	1	0.0025	5	0.25	10	132	A0053567
139.0	140.0					139.0	140.0	1	0.0025	2.5	0.25	8	118	A0053569
140.0	141.0					140.0	141.0	1	0.0025	5	0.25	28	92	A0053570
141.0	142.0					141.0	142.0	1	0.005	2.5	0.25	47	87	A0053571
142.0	142.89					142.0	142.89	0.89	0.0025	2.5	0.25	46	88	A0053572
142.89	143.77					142.89	143.77	0.88	0.0025	2.5	0.25	31	89	A0053573
143.77	145.0					143.77	145.0	1.23	0.0025	2.5	0.25	54	95	A0053574
145.0	145.94					145.0	145.94	0.94	0.0025	6	0.25	174	97	A0053575
145.94	147.06					145.94	147.06	1.12	0.0025	2.5	0.25	75	104	A0053576
147.06	148.0					147.06	148.0	0.94	0.741	10	0.25	19	86	A0053577
148.0	149.23					148.0	149.23	1.23	1.83	5	0.25	6	90	A0053578

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
149.23	155	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	DARK GREY	149.23	150.0	0.77	0.977	2.5	0.25	12	92	A0053579
Massive intermediate volcanic unit with a mixture of lithologies on both contacts, giving gradational upper and lower contacts. Clasts decrease in amount towards the upper contact and increase towards the lower contact. The unit has weak pervasive sericite and weak patchy silica alteration.						150.0	151.0	1	0.038	2.5	0.25	26	92	A0053580
						151.0	152.0	1	0.006	5	0.25	35	96	A0053582
The quartz veins within the unit are mostly crack seal veins, very thin and no mineralization or alteration. Few veins have weak fracture-fill chlorite and weak patchy carbonate alteration. Trace blebby pyrite is present within veins and their margins.						152.0	153.0	1	0.0025	2.5	0.25	17	86	A0053583
						153.0	154.0	1	0.0025	2.5	0.25	6	117	A0053584
Overall, the unit has mineralization around the upper and lower contacts. Trace blebby pyrite and trace fracture-fill pyrite.						154.0	154.95	0.95	0.007	2.5	0.25	8	114	A0053585
						154.95	156.0	1.05	0.0025	2.5	0.25	32	115	A0053586

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
155	178.81	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	154.95	156.0	1.05	0.0025	2.5	0.25	32	115	A0053586
<p>An intermediate volcanoclastic unit which is grey until the last two meters, where within proximity to the lower contact with the QFP, turns to grey - red. Moderate pervasive carbonate, weak pervasive sericite, Moderate patchy silica, moderate fracture-fill chlorite, and weak patchy chlorite. The unit reacts strongly to acid due to the amount of carbonate alteration. The unit has a weak healed breccia texture throughout. The lower contact between the IVCL and QFP shows increased alteration, with some minor potassic alteration appearing near the end of the unit. The lower contact is sharp.</p> <p>Quartz veins make up 5% of the unit. Many of the veins are small crack seal veins, usually running in sets of 3 - 6 veins but only ever 1/2 cm wide. Larger veins have moderate fracture-fill chlorite, weak patchy carbonate and some minor wispy tourmaline. Trace blebby pyrite and trace fracture-fill pyrite can be found within some veins, and the vein sets within the unit.</p> <p>Overall, the unit has trace disseminated pyrite and trace blebby pyrite.</p>														
<p>171.9 - 172.23 : Quartz Vein Set, Vein set with irregular veinlets surrounding the set. 60% vein / 40% host rock</p>														
						156.0	157.0	1	0.106	2.5	0.25	34	118	A0053587
						157.0	158.0	1	0.0025	2.5	0.25	17	117	A0053588
						158.0	159.0	1	0.0025	2.5	0.25	5	120	A0053589
						159.0	160.0	1	0.0025	2.5	0.25	3	117	A0053590
						160.0	161.0	1	0.0025	2.5	0.25	5	115	A0053591
						161.0	162.0	1	0.0025	2.5	0.25	7	121	A0053592
						162.0	163.0	1	0.0025	2.5	0.25	16	126	A0053593
						163.0	164.0	1	0.0025	2.5	0.25	197	137	A0053595
						164.0	165.0	1	0.007	2.5	0.25	201	112	A0053596
						165.0	166.0	1	0.0025	2.5	0.25	11	101	A0053597
						166.0	167.0	1	0.0025	2.5	0.25	2	104	A0053598
						167.0	168.0	1	0.0025	2.5	0.25	2	99	A0053599
						168.0	169.0	1	0.0025	2.5	0.25	1	102	A0053600
						169.0	170.0	1	0.0025	2.5	0.25	6	104	A0053601
						170.0	171.0	1	0.0025	2.5	0.25	2	112	A0053602
						171.0	171.75	0.75	0.0025	2.5	0.25	4	121	A0053603
						171.75	173.0	1.25	0.043	2.5	0.25	34	103	A0053604
						173.0	174.0	1	0.0025	2.5	0.25	1	101	A0053605
						174.0	175.0	1	0.0025	2.5	0.25	21	93	A0053606
						175.0	175.75	0.75	0.0025	2.5	0.25	17	97	A0053608
						175.75	176.8	1.05	0.0025	2.5	0.25	4	103	A0053609
						176.8	178.0	1.2	0.0025	2.5	0.25	20	95	A0053610
						178.0	178.8	0.8	0.0025	2.5	0.25	15	122	A0053611
						178.8	180.0	1.2	0.237	2.5	0.25	10	33	A0053612

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
178.81	189.13	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	178.8	180.0	1.2	0.237	2.5	0.25	10	33	A0053612
A QFP unit with strong alteration and weak deformation. Strong pervasive potassic alteration, weak patchy carbonate alteration and weak fracture-fill chlorite alteration are present throughout the unit. The unit has sharp lower and upper contact between an IVCL unit, alteration increases with proximity to these contacts.						180.0	181.0	1	0.012	2.5	0.25	12	49	A0053613
						181.0	182.0	1	0.005	2.5	0.25	11	47	A0053614
The unit has a few wide quartz veins which mainly display vugs, and several horizontal crack seal veins with mineralization. The wide veins show weak fracture-fill chlorite, moderate - strong pervasive carbonate alteration and moderate pervasive sericite alteration. The horizontal crack seal veins display weak - moderate fracture-fill chlorite and moderate wispy tourmaline. The horizontal veins display mineralization with trace disseminated pyrite and trace fracture-fill pyrite, while the wide veins show only trace fracture-fill pyrite.						182.0	183.0	1	0.0025	2.5	0.25	10	38	A0053615
						183.0	184.15	1.15	0.007	2.5	0.25	9	38	A0053616
						184.15	185.1	0.95	0.115	2.5	0.25	8	36	A0053617
Overall, the unit shows little to no mineralization within the host rock, only showing trace disseminated pyrite.						185.1	186.0	0.9	0.018	2.5	0.25	11	37	A0053618
						186.0	187.0	1	0.01	2.5	0.25	15	40	A0053619
						187.0	188.0	1	0.031	2.5	0.25	10	37	A0053621
						188.0	189.15	1.15	0.749	2.5	0.25	7	32	A0053622

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
189.13	211.58	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREY	188.0	189.15	1.15	0.749	2.5	0.25	7	32	A0053622
An intermediate volcanic unit. The unit contains varying alteration and deformation zones.						189.15	190.0	0.85	0.618	2.5	0.25	24	113	A0053623
From 189.13 - 192.27 we have a strong foliation made of strong patchy silica, moderate pervasive sericite and weak patchy carbonate alteration. This unit has trace disseminated pyrite and trace blebby pyrite.						190.0	191.0	1	0.0025	2.5	0.25	7	207	A0053624
192.27 - 192.51 we have a small deformation zone surrounding a quartz vein with intense pervasive silica and strong pervasive sericite alteration. This small deformation zone has 5% fracture-fill pyrite and 1% blebby pyrite						191.0	191.8	0.8	0.022	8	0.25	19	1,050	A0053625
192.51 - 192.94 we have a small IV unit of the same alteration as the previous IV unit. This unit shares the same mineralization as the previous unit as well.						191.8	192.6	0.8	0.008	2.5	0.25	48	171	A0053626
192.94 - 193.41 we have another deformation zone with intense pervasive sericite, strong pervasive silica, moderate fracture-fill chlorite and weak pervasive carbonate alteration. The unit also has 1% fracture-fill pyrite and 1% blebby pyrite.						192.6	193.5	0.9	0.05	5	0.25	136	119	A0053627
193.41 - 198 we have the same alteration as the previous unit strong patchy silica, moderate pervasive sericite and weak patchy carbonate alteration. This unit has 4% fracture-fill pyrite, 2% blebby pyrite and 1% disseminated pyrite. The lower contact between these two units is gradational with decreasing alteration.						193.5	194.5	1	0.01	7	0.6	55	151	A0053628
198 - 201 m we have a finer grained massive unit within the IV, Weak patchy silica, weak pervasive sericite and weak patchy carbonate alteration are present. Trace blebby pyrite and trace fracture-fill pyrite are present.						194.5	195.0	0.5	0.0025	2.5	0.25	6	161	A0053629
201 - 207.68 Strong patchy silica, moderate patchy carbonate and weak pervasive sericite alteration appears back. 1% blebby pyrite appears in this unit. Massive unit similar to other IV units, just with a foliation						195.0	196.0	1	0.006	2.5	0.25	40	123	A0053630
207.68 - 211.58 we see the massive texture and finer grained IV appear again, but with slight clasts between 208.13 - 209.04. Fine grained moderate patchy silica, moderate patchy sericite, weak patchy carbonate and weak fracture-fill chlorite alteration is present. Trace disseminated pyrite and trace blebby pyrite is present.						196.0	197.0	1	0.0025	2.5	0.25	13	121	A0053631
The contact between the IV and IVCL is also the end of a small deformation zone.						197.0	198.0	1	0.0025	2.5	0.25	22	120	A0053632
						198.0	199.0	1	0.0025	6	0.25	45	135	A0053634
						199.0	200.1	1.1	0.0025	2.5	0.25	5	137	A0053635
						200.1	201.0	0.9	0.0025	2.5	0.25	7	133	A0053636
						201.0	202.0	1	0.0025	2.5	0.25	8	126	A0053637
						202.0	203.0	1	0.0025	2.5	0.25	7	138	A0053638
						203.0	204.0	1	0.0025	2.5	0.25	7	138	A0053639
						204.0	205.0	1	0.015	2.5	0.25	5	155	A0053640
						205.0	206.0	1	0.015	2.5	0.25	5	123	A0053641
						206.0	207.0	1	0.065	2.5	0.25	3	138	A0053642
						207.0	208.0	1	0.005	2.5	0.25	3	148	A0053643
						208.0	209.0	1	0.0025	2.5	0.25	3	173	A0053644
						209.0	210.0	1	0.0025	2.5	0.25	3	122	A0053645
						210.0	211.0	1	0.014	2.5	0.25	2	115	A0053647
						211.0	211.6	0.6	0.005	2.5	0.25	26	113	A0053648

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
211.58	213.46	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICITIC	FINE	GREY	211.0	211.6	0.6	0.005	2.5	0.25	26	113	A0053648
<p>An intermediate volcaniclastic unit with clasts that can be distinguished between the IV unit surrounding it. The unit has moderate patchy silica alteration, moderate patchy carbonate alteration and weak fracture-fill chlorite alteration. The unit has a sharp upper contact but a gradual lower contact. The patchy silica alteration is in the form of quartz eyes.</p>														
						211.6	212.6	1	2.05	7	0.25	19	196	A0053649
						212.6	213.1	0.5	0.014	2.5	0.25	42	282	A0053650
						213.1	214.0	0.9	7.72	23	1.8	136	189	A0053651
<p>The unit has wide quartz veins, mostly showing weak - moderate fracture-fill chlorite and moderate patchy carbonate. The veins all show mineralization, but shows trace - 2% blebby pyrite and trace fracture-fill pyrite.</p> <p>Overall, this unit has 1% blebby pyrite, trace disseminated pyrite and 1% fracture-fill pyrite.</p>														

213.46	222	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	DARK GREY	213.1	214.0	0.9	7.72	23	1.8	136	189	A0053651
<p>An intermediate volcanic unit with different sections of deformation and alteration.</p>														
						214.0	215.1	1.1	0.339	18	2.1	184	4,290	A0053652
<p>From 213.46 - 217.80 the unit is massive with several wide quartz veins. The texture is massive with weak pervasive sericite, weak patchy silica and weak pervasive carbonate alteration. From 213.46 - 213.52 m we have a small blowout of carbonate and quartz with 1-3 cm blebby pyrite grains and small quartz vein stringers around the area. The veins within the unit has a large variety of alteration and mineralization. 214.52 - 214.60 is a large vein with trace blebby arsenopyrite, 2% fracture-fill pyrite and 1% blebby pyrite. Moderate fracture-fill chlorite and moderate patchy carbonate alteration is also present; patchy weak tourmaline is also present. Most veins within the unit contain weak - moderate patchy carbonate alteration, weak fracture-fill chlorite, trace - 2% blebby pyrite and trace - 2% fracture-fill pyrite. Overall, the unit contains 1% blebby pyrite, 1% fracture-fill pyrite and trace blebby arsenopyrite.</p>														
						215.1	216.1	1	0.089	2.5	0.25	24	137	A0053653
						216.1	217.0	0.9	0.013	2.5	0.25	15	99	A0053654
						217.0	217.8	0.8	0.019	2.5	0.25	12	111	A0053655
						217.8	218.3	0.5	6.08	8	0.5	88	124	A0053656
						218.3	218.8	0.5	1.015	2.5	0.8	270	137	A0053658
						218.8	219.55	0.75	4.41	7	0.25	171	88	A0053660
<p>217.8 - 219.06 is similar to the previous IV unit with alteration, strong patchy silica alteration giving a foliation, weak patchy carbonate alteration and weak fracture-fill chlorite alteration around the quartz veins. This unit has visible gold in two quartz veins. The unit has 2% blebby pyrite, 1% disseminated pyrite and 1% fracture-fill pyrite.</p>														
						219.55	220.35	0.8	0.028	5	0.25	270	105	A0053661
<p>The first vein from 217.98 - 21.04 m shows two small areas of visible gold just inside the quartz vein margin. The vein shows 1-2 % blebby pyrite within the quartz vein margin and surrounding area. Weak patchy chlorite and moderate patchy carbonate alteration are also present, giving the vein a more white colour. Minor patchy tourmaline is also present in the vein.</p>														
						220.35	221.0	0.65	0.0025	2.5	0.25	242	109	A0053662
<p>The second vein showing visible gold runs from 218.65 - 218.67 m and is surrounded by strong - intense patchy silica alteration and moderate pervasive sericite alteration. This vein has moderate patchy carbonate alteration, weak patchy chlorite and minor patchy tourmaline. The vein also has 1% blebby pyrite and 1% disseminated pyrite around the quartz vein margin and surrounding area.</p>														
						221.0	222.0	1	0.0025	2.5	0.25	108	116	A0053663
<p>219.06 - 219.28 a small deformation zone runs from. Strong pervasive silica alteration, moderate fracture-fill carbonate and weak pervasive carbonate alteration are present. 1% blebby pyrite and 1% fracture-fill pyrite is present.</p> <p>219.28 - 222 this unit has similar alteration to the IV units above it, moderate patchy silica alteration, moderate patchy carbonate and weak fracture-fill chlorite alteration.</p>														

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
222	225.95	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	222.0	223.0	1	0.007	2.5	0.25	53	108	A0053665
<p>An intermediate volcaniclastic unit with sub-angular to rounded and elongate clasts. The unit has moderate patchy silica, weak patchy carbonate alteration and moderate - strong fracture-fill chlorite alteration. The silica alteration and elongate clasts give a slight foliation. The healed breccia texture is present within the unit. This unit is similar to the IVCL units seen up hole.</p> <p>The unit has one quartz vein, 223.47 - 223.50 m which has trace blebby pyrite, moderate fracture-fill pyrite and weak patchy carbonate.</p> <p>Overall, the unit has trace disseminated pyrite</p>														
223.0	224.0					223.0	224.0	1	0.0025	5	0.25	22	122	A0053666
224.0	225.0					224.0	225.0	1	0.0025	2.5	0.25	13	130	A0053667
225.0	225.98					225.0	225.98	0.98	0.0025	2.5	0.25	35	128	A0053668
225.95	233.92	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	LIGHT GREY	225.0	225.98	0.98	0.0025	2.5	0.25	35	128	A0053668
<p>An intermediate volcanic unit with varying alteration but overall weak deformation. The upper contact between the IVCL and IV is sharp with a drop in alteration and clasts.</p> <p>225.95 - 232.87 m this section has moderate pervasive sericite, patchy moderate silica alteration (in the form of quartz eyes) and weak patchy carbonate alteration. The section is massive, fine grained and light grey, lighter than the next section of the unit. The unit has quartz veins, which show moderate patchy carbonate, weak patchy chlorite and weak fracture-fill chlorite.</p> <p>232.87 - 233.92 This unit is mostly the same as the previous without the pervasive sericite alteration. This unit is slightly darker grey than the previous unit. The unit has moderate patchy silica alteration (as quartz eyes) and weak patchy carbonate. Trace disseminated pyrite is present within the unit. This unit has small stringer veins, not more than 1 cm wide each and show weak patchy carbonate alteration.</p> <p>Overall, this unit shows trace disseminated pyrite.</p>														
225.98	227.0					225.98	227.0	1.02	0.0025	2.5	0.25	12	118	A0053669
227.0	228.0					227.0	228.0	1	0.008	6	0.25	11	81	A0053670
228.0	228.9					228.0	228.9	0.9	0.627	2.5	0.25	17	85	A0053671
228.9	230.1					228.9	230.1	1.2	0.144	2.5	0.25	5	96	A0053673
230.1	231.0					230.1	231.0	0.9	0.0025	2.5	0.25	15	94	A0053674
231.0	232.0					231.0	232.0	1	0.0025	2.5	0.25	9	87	A0053675
232.0	233.0					232.0	233.0	1	0.032	2.5	0.25	13	78	A0053676
233.0	233.92					233.0	233.92	0.92	0.006	2.5	0.25	2	84	A0053677

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
233.92	251.12	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	233.92	235.0	1.08	0.0025	2.5	0.25	44	109	A0053678
<p>Similar intermediate volcaniclastic unit to the previous IVCL units. The clasts within this unit are sub-angular to rounded and elongate. The unit contains moderate pervasive carbonate, moderate patchy silica, weak - moderate fracture-fill chlorite alteration and moderate pervasive sericite alteration. The elongate clasts and pervasive alteration gives off a foliation. The unit has the "Healed breccia" texture near most quartz veins, with an infill of moderate fracture-fill chlorite.</p>														
<p>From 248.78 - 251.12 we see an increase of alteration and a decrease in grain size. The silica alteration turns to weak patchy, the carbonate disappears, the chlorite alteration becomes moderate, and the sericite becomes strong - intense. Mineralization does not change.</p>														
<p>The unit has 5% quartz veins / quartz vein blowout. The unit has 1 - 10 cm quartz veins and a 20 cm blowout zone. Moderate - strong patchy carbonate alteration and weak - moderate fracture-fill chlorite alteration is present within the veins. The veins have trace - 1% disseminated pyrite within their margins and trace - 1% blebby pyrite within the veins.</p>														
<p>Overall, the unit has trace disseminated pyrite and 1% blebby pyrite.</p>														
						235.0	236.0	1	0.0025	2.5	0.25	93	113	A0053679
						236.0	237.0	1	0.0025	2.5	0.25	100	130	A0053680
						237.0	238.0	1	0.0025	5	0.25	78	140	A0053681
						238.0	239.0	1	0.0025	2.5	0.25	89	123	A0053682
						239.0	240.0	1	0.0025	2.5	0.25	96	119	A0053683
						240.0	241.0	1	0.0025	2.5	0.25	91	116	A0053684
						241.0	242.0	1	0.033	11	0.25	105	135	A0053686
						242.0	242.9	0.9	0.0025	7	0.25	104	119	A0053687
						242.9	244.0	1.1	0.005	2.5	0.25	82	126	A0053688
						244.0	245.0	1	0.0025	2.5	0.25	82	137	A0053689
						245.0	246.0	1	0.0025	2.5	0.25	74	139	A0053690
						246.0	247.0	1	0.041	2.5	0.25	92	132	A0053691
						247.0	248.0	1	0.0025	8	0.25	86	140	A0053692
						248.0	249.0	1	2.18	10	0.25	14	36	A0053693
						249.0	250.0	1	0.005	2.5	0.25	3	60	A0053694
						250.0	251.1	1.1	1.25	7	0.25	16	44	A0053695
						251.1	252.0	0.9	2.05	5	0.25	10	26	A0053696

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
251.12	265.6	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC FINE		CREAM	251.1	252.0	0.9	2.05	5	0.25	10	26	A0053696
<p>A fine grained QFP. The unit has fine 2 - 5 mm quartz - chlorite stringers throughout the unit. The unit has strong pervasive potassic alteration, moderate patchy silica and weak fracture-fill chlorite alteration. The unit is moderately deformed, some areas are very rubbly.</p>														
						252.0	253.0	1	0.139	5	0.25	3	27	A0053697
						253.0	254.0	1	0.077	2.5	0.25	6	28	A0053699
<p>The unit has 1 - 5 cm wide quartz veins, making up 5% of the unit. The veins all contain moderate patchy carbonate alteration with weak fracture-fill alteration. The veins contain trace disseminated pyrite and trace fracture-fill pyrite. Minor - strong vuggy texture is present within some veins.</p>														
						254.0	255.0	1	0.306	2.5	0.25	4	28	A0053700
						255.0	256.0	1	0.492	5	0.25	4	28	A0053701
<p>Overall, the unit contains trace fracture-fill pyrite and trace disseminated pyrite.</p>														
						256.0	257.1	1.1	0.161	2.5	0.25	6	24	A0053702
						257.1	258.0	0.9	0.145	2.5	0.25	14	28	A0053703
						258.0	259.0	1	0.294	2.5	0.25	21	26	A0053704
						259.0	260.0	1	0.108	2.5	0.25	3	19	A0053705
						260.0	261.0	1	0.069	2.5	0.25	8	18	A0053706
						261.0	262.0	1	0.111	2.5	0.25	2	17	A0053707
						262.0	263.0	1	0.019	2.5	0.25	4	18	A0053708
						263.0	264.0	1	0.018	2.5	0.25	3	18	A0053709
						264.0	265.0	1	0.152	2.5	0.25	9	22	A0053710
						265.0	266.0	1	0.597	9	0.6	26	134	A0053712

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
265.6	310.5	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICCTIC	FINE	DARK GREY	265.0	266.0	1	0.597	9	0.6	26	134	A0053712
Intermediate volcaniclastic unit with moderate alteration and moderate - strong deformation throughout the whole unit. This unit is rather distinct from other volcaniclastic units due to the amount of alteration, this unit has a more mafic look but due to alteration would be intermediate. The clasts are rounded - ellipse shaped and elongate, creating a foliation. Moderate pervasive sericite alteration, strong patchy silica alteration, moderate - strong fracture-fill chlorite and moderate pervasive carbonate alteration are all present within the unit. The "healed breccia" texture with fracture-fill chlorite is present within the entire unit. The upper contact between the QFP and IVCL is gradual, with decreasing potassic alteration but increasing sericite, chlorite and silica alteration.						266.0	267.0	1	0.073	2.5	0.25	40	211	A0053713
A small deformation zone with strong - intense pervasive fine grained silica and strong pervasive carbonate alteration occurs between 298.06-298.75 m. Increased mineralization is also present, with 1% blebby pyrite.						267.0	268.0	1	0.0025	2.5	0.25	36	196	A0053714
The unit contains 2 - 8 cm quartz veins and minor quartz carbonate blow out zones. The veins contain weak - moderate patchy carbonate, and moderate fracture-fill chlorite. Some veins contain weak fracture-fill tourmaline. Trace fracture-fill pyrite can be found within the vein margins and trace blebby pyrite can be found surrounding the veins.						268.0	269.0	1	0.0025	2.5	0.25	36	166	A0053715
Overall, the unit has trace fracture-fill pyrite, 1% disseminated pyrite and trace blebby pyrite.						269.0	270.0	1	0.0025	2.5	0.25	30	149	A0053716
						270.0	271.0	1	0.0025	2.5	0.25	35	167	A0053717
						271.0	272.0	1	0.0025	2.5	0.25	31	170	A0053718
						272.0	273.0	1	0.0025	2.5	0.25	18	219	A0053719
						273.0	274.0	1	0.0025	2.5	0.25	29	207	A0053720
						274.0	275.0	1	0.0025	2.5	0.25	43	139	A0053721
						275.0	276.0	1	0.0025	2.5	0.25	23	133	A0053722
						276.0	277.0	1	0.0025	2.5	0.25	26	135	A0053723
						277.0	278.1	1.1	0.0025	2.5	0.25	40	155	A0053725
						278.1	279.0	0.9	0.0025	2.5	0.25	41	179	A0053726
						279.0	280.0	1	0.0025	2.5	0.25	36	208	A0053727
						280.0	281.0	1	0.0025	2.5	0.25	39	178	A0053728
						281.0	282.0	1	0.0025	2.5	0.25	35	195	A0053729
						282.0	283.0	1	0.0025	2.5	0.25	33	186	A0053730
						283.0	284.1	1.1	0.065	2.5	0.25	39	185	A0053731
						284.1	285.0	0.9	0.005	2.5	0.25	35	270	A0053732
						285.0	286.0	1	0.009	2.5	0.25	40	246	A0053733
						286.0	287.0	1	0.0025	2.5	0.25	32	159	A0053734
						287.0	288.0	1	0.012	2.5	0.25	34	126	A0053735
						288.0	289.0	1	0.0025	5	0.25	29	133	A0053736
						289.0	290.0	1	0.0025	7	0.25	47	141	A0053738
						290.0	291.0	1	0.007	7	0.25	39	118	A0053739
						291.0	292.0	1	0.0025	2.5	0.25	40	139	A0053740
						292.0	293.0	1	0.18	7	0.25	29	109	A0053741
						293.0	294.0	1	0.0025	12	0.25	35	131	A0053742
						294.0	295.0	1	0.0025	16	0.25	27	112	A0053743
						295.0	296.0	1	0.0025	13	0.25	39	121	A0053744

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
	296.0					297.0	297.0	1	0.0025	8	0.25	36	129	A0053745
	297.0					298.0	298.0	1	0.0025	5	0.25	47	152	A0053746
	298.0					299.0	299.0	1	0.0025	5	0.25	32	162	A0053747
	299.0					300.0	300.0	1	0.0025	9	0.25	33	125	A0053748
	300.0					301.0	301.0	1	0.0025	9	0.25	29	125	A0053749
	301.0					302.0	302.0	1	0.0025	9	0.25	39	119	A0053751
	302.0					303.0	303.0	1	0.0025	7	0.25	34	108	A0053752
	303.0					304.0	304.0	1	0.0025	7	0.25	43	115	A0053753
	304.0					305.0	305.0	1	0.0025	5	0.25	38	133	A0053754
	305.0					306.0	306.0	1	0.0025	2.5	0.25	33	132	A0053755
	306.0					307.0	307.0	1	0.0025	2.5	0.25	30	129	A0053756
	307.0					308.0	308.0	1	0.124	5	0.25	26	127	A0053757
	308.0					309.0	309.0	1	0.0025	2.5	0.25	32	135	A0053758
	309.0					310.0	310.0	1	0.0025	2.5	0.25	26	157	A0053759
	310.0					310.5	310.5	0.5	0.0025	2.5	0.25	29	207	A0053760

310.5	311.2	MI, MAFIC INTRUSIVE	MASSIVE	VERY FINE	BLACK	310.5	311.21	0.71	0.0025	5	0.25	20	209	A0053761
--------------	--------------	----------------------------	---------	-----------	-------	-------	--------	------	--------	---	------	----	-----	----------

A mafic dyke within an intermediate volcanoclastic unit. The unit is massive, shows weak patchy silica alteration (quartz eyes) and subtle pervasive sericite alteration. 3% disseminated pyrite and 1% fracture-fill pyrite is found within the dyke. The upper contact is slightly gradational while the lower contact is very sharp.

The unit has 1 mm quartz stringers running throughout the unit, some with fracture-fill chlorite.

311.2	316.03	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICITIC	FINE	DARK GREY	310.5	311.21	0.71	0.0025	5	0.25	20	209	A0053761
--------------	---------------	--	-------------	------	-----------	-------	--------	------	--------	---	------	----	-----	----------

This unit is the same as the unit from 265.6 - 310.5 m. The unit has a green hue but is overall, dark grey. The unit is strongly deformed and altered, with strong patchy silica, moderate patchy carbonate, moderate pervasive sericite and moderate pervasive chlorite.

This unit has a mafic look, similar to the previous unit.

The unit has quartz veins which make up a trace (0.1) amount of the overall unit. The quartz veins have moderate patchy carbonate and weak patchy chlorite alteration. The veins show trace blebby pyrite.

Overall, the unit has similar mineralization to the previous IVCL, with 1% disseminated pyrite and trace fracture-fill pyrite.

Project: Van Horne						Hole Number: VH19-011								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
316.03	324.82	IV, INTERMEDIATE VOLCANIC	MASSIVE	FINE	GREY	316.03	317.2	1.17	0.0025	2.5	0.25	77	226	A0053768
This unit is not similar to any IV units before it being more deformed and altered than previous IV units. The unit appears black at the start but turns a grey - light grey from 317.20 m towards the lower contact. The unit starts with a mafic like appearance but from 317.2 - 324.82 turns into an intermediate volcanic from the amount of silica alteration.						317.2	318.0	0.8	0.0025	8	0.25	64	158	A0053769
Overall the unit is massive showing strong patchy silica alteration (quartz eyes), strong pervasive sericite alteration, moderate fracture-fill chlorite alteration and moderate patchy carbonate alteration. The mineralization follows the fracture-fill chlorite alteration.						318.0	319.0	1	0.0025	5	0.25	58	153	A0053770
						319.0	320.0	1	0.0025	5	0.25	48	168	A0053771
The unit has very minor quartz veins, mostly showing weak patchy carbonate and weak fracture-fill chlorite. Trace blebby pyrite can be seen around the quartz vein margins.						320.0	321.0	1	0.0025	7	0.25	57	162	A0053772
						321.0	322.0	1	0.005	7	0.25	76	125	A0053773
Overall, the unit contains 3% fracture-fill pyrite and 2% blebby pyrite.						322.0	323.0	1	0.005	7	0.25	76	160	A0053774
						323.0	324.0	1	0.0025	8	0.25	82	165	A0053775
324.0	324.82					324.0	324.82	0.82	0.0025	2.5	0.25	54	150	A0053777
324.82	328.94	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICHTIC	FINE	GREY	324.82	326.0	1.18	0.006	7	0.25	72	122	A0053778
This unit is not similar to the previous intermediate volcanoclastic, showing less deformation but similar alteration. The unit shows sub-angular and elongated clasts with moderate fracture-fill chlorite, moderate pervasive sericite and moderate patchy silica alteration.						326.0	327.0	1	0.0025	8	0.25	64	113	A0053779
The unit has minor quartz veins which show patchy carbonate alteration and trace blebby pyrite within their margins.						327.0	328.0	1	0.0025	2.5	0.25	24	90	A0053780
						328.0	328.94	0.94	0.0025	2.5	0.25	18	98	A0053781
Overall, the unit shows trace disseminated pyrite, trace blebby pyrite and 1% fracture-fill pyrite.														
328.94	340.83	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	328.94	330.0	1.06	0.0025	2.5	0.25	73	127	A0053782
This unit is a massive intermediate volcanic unit with some areas that have some areas which look "clast like". Overall the unit is massive and very fine grained. The unit has moderate pervasive sericite alteration, weak patchy silica alteration and weak patchy chlorite alteration. The unit has sparse quartz eyes in some areas. The clasts in this unit appear to just be large areas of silica alteration which appear as round clasts, but do not look like clasts from other areas of the hole, previous IVCL have large clasts of silica but they are much more pronounced than these "clasts".						330.0	331.1	1.1	0.0025	2.5	0.25	13	84	A0053783
The unit has minor stringer veins and some veins which reach to 4 cm. The veins all have some moderate patchy carbonate alteration and weak fracture-fill chlorite. They also have trace fracture-fill pyrite.						331.1	332.0	0.9	0.0025	5	0.25	49	169	A0053784
						332.0	333.0	1	0.0025	2.5	0.25	29	114	A0053785
Overall, the unit has trace blebby pyrite and trace fracture-fill pyrite.						333.0	334.0	1	0.157	9	0.25	65	160	A0053786
						334.0	335.0	1	0.008	6	0.25	37	163	A0053787
						335.0	336.0	1	0.007	5	0.25	40	147	A0053788
						336.0	337.0	1	0.009	12	0.25	44	183	A0053790
						337.0	338.0	1	0.901	10	0.25	77	169	A0053791
						338.0	339.0	1	1.54	13	0.25	61	159	A0053792
						339.0	340.0	1	0.011	9	0.25	53	195	A0053793
						340.0	340.83	0.83	0.006	8	0.25	73	186	A0053794

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
340.83	343.04	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	340.83	342.0	1.17	0.012	9	0.25	48	120	A0053795
This volcanoclastic unit is similar to the previous IVCL unit at 324 - 328. It has strong patchy silica alteration, moderate pervasive sericite alteration and weak - moderate chlorite fracture-fill. The unit has both the healed breccia texture and other clasts, forming rounded - elongate clasts which give off a foliation.														
The unit is made of 0.5 % quartz veins, with weak fracture-fill chlorite around the quartz margins and weak patchy carbonate within the veins. The veins show trace blebby pyrite along the surrounding areas and margins of the veins.														
Overall, the unit has trace blebby pyrite and trace fracture-fill pyrite.														
343.04	345.98	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	342.0	343.05	1.05	0.044	2.5	0.25	28	102	A0053796
This unit is the same IV from 328 - 340. The unit has moderate pervasive sericite alteration, weak patchy silica alteration and weak fracture-fill chlorite alteration. The unit is massive and very fine grained. The unit has strong mineralization along the fracture-fill chlorite alteration as did the previous two IV units.														
The unit has one quartz vein and minor quartz vein stringers. The unit has strong mineralization along these chlorite and quartz stringers / fracture-fill alteration.														
Overall, the unit has 3% fracture-fill pyrite and 1% blebby pyrite.														
345.98	348.52	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREY	345.0	346.0	1	0.0025	11	0.25	55	164	A0053799
This IVCL is the same as the unit from 340.83 - 343.04 m. This unit has large elongate defined clasts of patchy silica along with other smaller rounded clasts. The unit is strongly deformed and altered. The unit has strong patchy silica alteration, weak pervasive sericite alteration, weak fracture-fill chlorite and weak patchy carbonate alteration.														
The unit has 1% quartz veins, which are 1 - 2 cm in width. The veins show weak patchy carbonate alteration and weak fracture-fill chlorite along some of the vein margins. The veins contain trace disseminated pyrite within the vein.														
Overall, the unit has trace disseminated pyrite..														
348.52	353.08	IV, INTERMEDIATE VOLCANIC	MASSIVE	VERY FINE	LIGHT GREY	348.5	349.5	1	0.0025	7	0.25	59	130	A0053804
This volcanic unit is a similar repeating unit seen in 328.94 - 340.83, 343.04 - 345.98. The unit is massive, very fine grained and grey - light grey. The unit upper and lower contacts are both gradational, with increasing amounts of clasts and alteration with increased proximity to the contact. The unit shows weak pervasive sericite and weak patchy silica alteration.														
The unit has one large vein set, a few 1-2 cm quartz veins and minor quartz stringer veins. The veins show moderate patchy carbonate alteration and weak fracture-fill alteration. The veins have trace blebby pyrite within the veins but 1% blebby pyrite and trace fracture-fill surrounding the veins.														
Overall, the unit has 1% blebby pyrite and 1% fracture-fill pyrite.														

Project: Van Horne

Hole Number: VH19-011

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
353.08	369	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREY	353.08	354.0	0.92	0.0025	8	0.25	52	103	A0053809
<p>This intermediate volcanoclastic unit is similar to the other IVCL units seen from 340.83 - 343.04 and 345.98 - 348.52 m. The unit is grey - dark grey in colour due to increased chlorite alteration within some areas. The unit has long elongate massive clasts which appear to be rounded - sub-angular, and smaller rounded less deformed clasts. The unit has moderate pervasive sericite alteration, moderate patchy silica alteration, moderate fracture-fill chlorite alteration and weak patchy carbonate alteration.</p>														
<p>The unit contains 5% quartz veins, including vein sets. The veins contain trace blebby pyrite, trace fracture-fill pyrite and some veins contain trace blebby chalcopyrite. A vein at 353.48 contains 3-5% fracture-fill pyrite and trace blebby chalcopyrite. Veins show weak - moderate fracture-fill chlorite and moderate patchy carbonate.</p>														
<p>Overall, the unit contains 2% fracture-fill pyrite, 1% blebby pyrite and trace blebby chalcopyrite.</p>														
						354.0	355.0	1	0.0025	7	0.25	52	104	A0053810
						355.0	356.0	1	0.0025	2.5	0.25	57	85	A0053811
						356.0	357.0	1	0.0025	2.5	0.25	56	102	A0053812
						357.0	358.0	1	0.0025	2.5	0.25	66	94	A0053813
						358.0	359.0	1	0.032	2.5	0.25	50	98	A0053814
						359.0	360.0	1	0.0025	2.5	0.25	53	106	A0053816
						360.0	361.0	1	0.045	2.5	0.25	54	97	A0053817
						361.0	362.15	1.15	0.582	7	0.25	219	105	A0053818
						362.15	363.0	0.85	0.0025	2.5	0.25	58	106	A0053819
						363.0	364.1	1.1	0.0025	2.5	0.25	25	63	A0053820
						364.1	365.0	0.9	0.0025	6	0.25	67	115	A0053821
						365.0	366.0	1	0.0025	5	0.25	67	101	A0053822
						366.0	367.0	1	0.0025	2.5	0.25	72	101	A0053823
						367.0	368.0	1	0.0025	2.5	0.25	65	102	A0053824
						368.0	369.0	1	0.0025	2.5	0.25	60	104	A0053825

Project: Van Horne

Hole Number: VH19-012

Drill Hole

Prospect: VH-GLATZ
Year: 2019
Hole Size: NQ
Orient: ACT III
Hole Status: COMPLETE

Operator: KGC EXPLORATION
Geologist: PERCY CLARK
Casing Depth: 1.5
EOH: 207
Logged Depth: 207

Drilling

Start Date: Sep-20-2019
End Date: Sep-23-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 505,326
Northing: 5,508,139
Elevation: 350

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	1.77	OB, OVERBURDEN												
1.77	3.85	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	1.77	2.7	0.93	0.074	5	0.25	54	97	A0053826
Deformed intermediate some clasts present possibly an ash tuff? with 1mm calcite vesicles. 1-3% 1mm euhedral py throughout. Lower contact sharp but rusty fractured at 40 dca.						2.7	3.85	1.15	0.549	9	0.7	54	100	A0053827
3.85	10.27	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	3.85	5.0	1.15	0.257	2.5	0.25	6	29	A0053829
1mm subrounded plagioclase phenocrysts in a cream/orange glassy quartz matrix. Unit is well mineralized with 1% fine grained disseminated py throughout. Trace tourmaline locally. Numerous (up to 5%) 5-10 mm quartz stringers throughout. Lower contact very sharp at 37 dca.						5.0	6.0	1	0.257	2.5	0.25	7	25	A0053830
						6.0	7.0	1	0.178	2.5	0.25	6	25	A0053831
						7.0	8.0	1	0.221	6	0.25	6	27	A0053832
						8.0	9.0	1	0.389	2.5	0.25	6	27	A0053833
						9.0	9.7	0.7	0.271	2.5	0.25	6	28	A0053834
						9.7	10.27	0.57	0.093	2.5	0.25	8	45	A0053835
10.27	19.63	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	10.27	11.0	0.73	0.258	2.5	0.25	69	150	A0053836
5mm - 1cm clasts in a dark green intermediate to mafic host rock. Moderate deformation. Similar to start of hole. Rusty fractures throughout. From 17.79 to 17.85 folded quartz vein at 37 dca with 57 dca fold axis. From 18.56 to 18.64 rusty quartz vein at 30 dca.. 1% fracture filling py throughout. Lower contact irregular yet sharp at 56 dca.						11.0	12.0	1	0.035	2.5	0.25	89	151	A0053837
						12.0	13.0	1	0.274	2.5	0.25	72	175	A0053838
						13.0	14.0	1	0.19	2.5	0.7	112	171	A0053839
						14.0	15.0	1	0.134	2.5	0.25	93	121	A0053840
						15.0	16.0	1	0.12	8	0.25	70	105	A0053842
						16.0	17.0	1	0.035	5	0.25	97	100	A0053843
						17.0	18.0	1	1.085	8	0.7	99	94	A0053844
						18.0	19.0	1	4.76	10	16.5	100	110	A0053845
						19.0	19.63	0.63	0.031	2.5	0.25	61	129	A0053846

Project: Van Horne							Hole Number: VH19-012							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
19.63	25.16	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	19.63	20.4	0.77	0.057	2.5	0.25	9	35	A0053847
1 mm sub rounded feldspar phenocrysts in a cream/orange glassy quartz matrix. Strongly fractured with 1% fine grained disseminated py throughout. Numerous quartz stringers throughout. From 20.57 to 20.71 quartz vein at 49 dca. Lower contact sharp at 54 dca.						20.4	21.0	0.6	0.005	2.5	0.25	3	18	A0053848
						21.0	22.0	1	0.113	2.5	0.25	2	17	A0053849
						22.0	23.0	1	0.023	2.5	0.25	5	21	A0053850
						23.0	24.0	1	0.113	2.5	0.25	6	18	A0053851
						24.0	25.16	1.16	0.02	2.5	0.25	5	27	A0053852
25.16	29.27	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	25.16	26.0	0.84	0.069	10	0.25	55	137	A0053853
1 cm clasts in a dark green weakly to moderately deformed host rock. 1 mm calcite vesicles. Strongly rusty fractured. From 26.20 to 26.27 quartz carbonate vein 1% tourmaline. Lower contact sharp at 35 dca.						26.0	27.0	1	0.049	8	0.25	73	250	A0053855
						27.0	28.0	1	0.0025	2.5	0.25	16	107	A0053856
						28.0	28.6	0.6	0.005	5	0.25	41	117	A0053857
						28.6	29.27	0.67	0.007	2.5	0.25	78	116	A0053858
29.27	30.25	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	VERY FINE	CREAM	29.27	30.25	0.98	0.0025	2.5	0.25	11	72	A0053859
1mm feldspar phenocrysts in a cream/light green glassy quartz matrix. Lack of stringers and py. Lower contact sharp at 39 dca.														

Project: Van Horne

Hole Number: VH19-012

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
30.25	50	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	30.25	31.0	0.75	0.062	6	0.25	96	101	A0053860
<p><5 mm to 2 cm clasts in a dark green host rock. Unit weakly sheared throughout. From 36.25 to 36.70 strong shear at 42 dca. From 30.25 to 35 m numerous 1 mm calcite stringers. Lower contact sharp at 20 dca.</p>														
						31.0	32.0	1	0.007	2.5	0.25	78	141	A0053861
						32.0	33.0	1	0.043	2.5	0.25	83	143	A0053862
						33.0	34.0	1	0.0025	2.5	0.25	64	136	A0053863
						34.0	35.0	1	0.0025	2.5	0.25	81	160	A0053864
						35.0	36.0	1	0.007	2.5	0.25	77	150	A0053865
						36.0	37.0	1	0.011	6	0.25	63	99	A0053866
						37.0	38.0	1	0.005	12	0.25	92	149	A0053868
						38.0	39.0	1	0.0025	2.5	0.25	85	125	A0053869
						39.0	40.0	1	0.0025	5	0.25	89	130	A0053870
						40.0	41.0	1	0.0025	2.5	0.25	87	137	A0053871
						41.0	42.0	1	0.0025	2.5	0.25	85	139	A0053872
						42.0	43.0	1	0.0025	2.5	0.25	87	142	A0053873
						43.0	44.0	1	0.0025	2.5	0.25	162	153	A0053874
						44.0	45.0	1	0.0025	2.5	0.25	70	166	A0053875
						45.0	46.0	1	0.005	2.5	0.25	72	168	A0053876
						46.0	47.0	1	0.006	7	0.25	76	127	A0053877
						47.0	48.0	1	0.011	2.5	0.25	75	151	A0053878
						48.0	49.0	1	0.016	9	0.25	72	138	A0053879
						49.0	50.0	1	0.012	6	0.25	111	133	A0053881
50	54.27	IV, INTERMEDIATE VOLCANIC	FOLIATED	VERY FINE	DARK GREEN	50.0	51.0	1	0.022	7	0.25	26	685	A0053882
<p>Fine to very fine grained flow. Medium to dark green. Intermediate to mafic. From 50.60 to 50.67 brecciated quartz carbonate vein at 20 dca. 1% very fine euhedral py throughout. lower contact 5 mm fault gouge at 27 dca.</p>														
						51.0	52.0	1	0.076	6	0.25	21	136	A0053883
						52.0	53.0	1	0.024	2.5	0.25	15	132	A0053884
						53.0	53.57	0.57	0.471	6	0.25	14	112	A0053885
						53.57	54.27	0.7	0.031	5	0.25	32	116	A0053886
54.27	56	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	54.27	55.0	0.73	0.01	7	0.25	83	218	A0053887
<p>Deformation Zone. 1-2 cm sub-rounded and stretched clasts in a strong chloritic host rock. From 55.62 to 56.00 m lower contact intruded by 50% quartz veining.</p>														
						55.0	56.0	1	1.175	10	0.25	80	114	A0053888

Project: Van Horne							Hole Number: VH19-012							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
56	59.35	IV, INTERMEDIATE VOLCANIC Deformation Zone. Continuing from previous unit. Fine to very fine grained ash. Strongly silicified almost cherty. Unit contains numerous 1-2 cm quartz veins. From 56 to 56.50 quartz vein at 46 dca. From 58.52 to 58.65 m brecciated quartz carbonate vein at 19 dca. Lower contact sharp at 27 dca.	EQUIGRANULAR	VERY FINE	GREEN-GREY	56.0	56.5	0.5	5.9	10	1.2	16	28	A0053889
						56.5	57.0	0.5	1.61	2.5	0.25	40	57	A0053890
						57.0	58.0	1	0.98	10	0.25	17	44	A0053891
						58.0	58.65	0.65	0.267	18	0.25	18	71	A0053892
						58.65	59.35	0.7	0.013	17	0.25	20	80	A0053894
59.35	63.98	IVCL, INTERMEDIATE VOLCANICLASTIC Large 1-3 cm clasts in a dark green host rock. Lower contact at 54 dca.	POLYMIC TIC	FINE	DARK GREEN	59.35	60.5	1.15	0.005	7	0.25	44	117	A0053895
						60.5	62.0	1.5	0.006	2.5	0.25	79	125	A0053896
						62.0	63.0	1	0.005	2.5	0.25	77	113	A0053897
						63.0	63.98	0.98	0.005	2.5	0.25	90	146	A0053898
63.98	69	QFP, Quartz-Feldspar Porphyry 1 mm feldspar phenocrysts in a creamy/orange glassy quartz matrix. Well mineralized with blebby disseminated py. Numerous quartz veinlets throughout. Lower contact sharp at 44 dca.	PORPHYRITIC	VERY FINE	CREAM	63.98	65.0	1.02	0.059	2.5	0.25	12	29	A0053899
						65.0	66.0	1	0.046	2.5	0.25	10	25	A0053900
						66.0	67.0	1	0.044	2.5	0.25	9	24	A0053901
						67.0	68.0	1	0.358	6	0.25	9	21	A0053902
						68.0	69.0	1	0.2	9	0.25	9	21	A0053903
69	75.4	IV, INTERMEDIATE VOLCANIC Fine to very fine grained ash. From 69.00 to 69.65 Quartz vein with bleached creamy remnant ash tuff. 5% py. From 70.00-70.08 quartz carbonate vein. From 70.58 to 70.65 quartz vein Lower contact at 57 dca	EQUIGRANULAR	VERY FINE	GREEN	69.0	69.65	0.65	1.67	5	0.7	14	29	A0053904
						69.65	70.44	0.79	1.39	10	0.25	87	97	A0053905
						70.44	71.0	0.56	1.23	9	0.25	63	383	A0053907
						71.0	72.0	1	0.021	2.5	0.25	78	107	A0053908
						72.0	73.0	1	0.236	2.5	0.25	74	94	A0053909
						73.0	74.0	1	0.005	9	0.25	94	133	A0053910
						74.0	74.7	0.7	0.006	6	0.25	74	116	A0053911
						74.7	75.4	0.7	0.34	6	0.25	71	439	A0053912

Project: Van Horne

Hole Number: VH19-012

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
75.4	92.43	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	75.4	76.0	0.6	0.525	18	0.25	21	83	A0053913
1 cm sub rounded stretched clasts in a dark green host rock. Weak deformation. Local silicification, veining and intense cubic pyrite mineralization;														
From 77.74 to 77.82 quartz vein at 52 dca. From 80.67 to 80.73 quartz vein at 43 dca. From 86.12 to 86.45 quartz vein at 50 dca. From 88.04 to 88.90 strongly silicified with orthoclase? alteration. Lower contact at 45 dca.														
						76.0	77.0	1	0.029	16	0.25	26	87	A0053914
						77.0	78.0	1	0.272	11	0.25	60	108	A0053915
						78.0	79.0	1	0.011	2.5	0.25	99	138	A0053916
						79.0	80.0	1	2.3	6	0.25	58	106	A0053917
						80.0	81.0	1	1.155	17	0.5	60	66	A0053918
						81.0	82.0	1	0.144	7	0.25	94	127	A0053920
						82.0	83.0	1	0.008	7	0.25	97	151	A0053921
						83.0	84.0	1	0.006	8	0.25	80	149	A0053922
						84.0	85.0	1	1.41	12	0.6	60	172	A0053923
						85.0	86.0	1	0.102	5	0.25	20	534	A0053924
						86.0	87.0	1	0.287	8	0.25	11	265	A0053925
						87.0	88.0	1	0.017	5	0.25	6	80	A0053926
						88.0	89.0	1	0.599	10	0.25	20	180	A0053927
						89.0	90.0	1	0.056	6	0.25	69	149	A0053928
						90.0	91.0	1	0.014	2.5	0.25	97	130	A0053929
						91.0	92.0	1	2.52	6	0.25	77	120	A0053930
						92.0	92.43	0.43	0.012	5	0.25	91	135	A0053931
92.43	98.19	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	VERY FINE	GREEN	92.43	93.0	0.57	0.01	6	0.25	101	123	A0053933
Fine grained weakly foliated ash flow. Lower contact at 56 dca.														
						93.0	94.0	1	0.011	7	0.25	131	127	A0053934
						94.0	95.0	1	0.005	5	0.25	144	123	A0053935
						95.0	96.0	1	0.0025	2.5	0.25	94	138	A0053936
						96.0	97.0	1	0.0025	5	0.25	85	137	A0053937
						97.0	98.19	1.19	0.0025	6	0.25	72	141	A0053938
98.19	103.32	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	BUFF	98.19	99.0	0.81	0.0025	8	0.25	83	158	A0053939
Deformation Zone. <1 cm clasts that have been brecciated in a silicified sericitic chloritic matrix. Calcite alteration.														
						99.0	100.21	1.21	0.0025	2.5	0.25	123	168	A0053940
						100.21	101.0	0.79	0.038	8	0.25	44	23	A0053941
						101.0	102.0	1	0.029	6	0.25	25	17	A0053942
						102.0	102.44	0.44	0.0025	2.5	0.25	32	15	A0053943
						102.44	103.32	0.88	0.008	5	0.25	27	31	A0053944

Project:		Van Horne													Hole Number:		VH19-012	
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample				
103.32	108.25	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	103.32	104.0	0.68	0.007	6	0.25	42	151	A0053946				
5mm to 1 cm sub rounded clasts stretched in a dark green host rock. Lower contact irregular at 41 dca.						104.0	105.0	1	0.0025	2.5	0.25	50	154	A0053947				
						105.0	106.0	1	0.0025	6	0.25	79	130	A0053948				
						106.0	107.0	1	0.0025	2.5	0.25	91	120	A0053949				
						107.0	108.25	1.25	0.006	2.5	0.25	74	131	A0053950				
108.25	116.21	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	VERY FINE	GREEN	108.25	109.0	0.75	0.0025	6	0.25	16	64	A0053951				
Fine grained ash tuff. lower contact at 32 dca.						109.0	110.0	1	0.042	2.5	0.25	19	43	A0053952				
						110.0	111.0	1	0.029	5	0.25	9	45	A0053953				
						111.0	112.0	1	0.0025	6	0.25	9	52	A0053954				
						112.0	113.0	1	0.0025	2.5	0.25	6	50	A0053955				
						113.0	114.0	1	0.0025	2.5	0.25	5	57	A0053956				
						114.0	115.0	1	0.135	2.5	0.25	17	96	A0053957				
						115.0	116.15	1.15	0.546	2.5	0.25	25	192	A0053959				
						116.15	117.21	1.06	0.453	16	0.25	23	50	A0053960				
116.21	117.21	IV, INTERMEDIATE VOLCANIC	BLEACHED	FINE	BEIGE	116.15	117.21	1.06	0.453	16	0.25	23	50	A0053960				
Deformation Zone. Fine grained ash healed brecciation. Strongly silicified and well mineralized. Lower contact faulted at 32 dca.																		
117.21	127.11	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	GREEN	117.21	118.0	0.79	0.15	42	3.4	746	402	A0053961				
Fine grained ash tuff. Lower contact faulted with 5% fracture filling pyrite at 23 dca.						118.0	119.0	1	0.0025	2.5	0.25	43	130	A0053962				
						119.0	120.0	1	0.0025	2.5	0.25	9	80	A0053963				
						120.0	121.0	1	0.0025	2.5	0.25	6	66	A0053964				
						121.0	122.0	1	0.0025	5	0.25	9	65	A0053965				
						122.0	123.0	1	0.006	2.5	0.25	8	66	A0053966				
						123.0	124.0	1	0.0025	5	0.25	9	74	A0053967				
						124.0	125.0	1	0.0025	6	0.25	5	103	A0053968				
						125.0	126.0	1	0.0025	2.5	0.25	9	125	A0053969				
						126.0	127.11	1.11	0.184	151	0.25	51	193	A0053970				

Project: Van Horne							Hole Number: VH19-012							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
127.11	131.03	MVCL, MAFIC VOLCANICLASTIC	POLYMICTIC	VERY FINE	DARK GREEN	127.11	128.0	0.89	0.006	11	0.25	54	389	A0053972
<p><1 cm brecciated fragments in a dark green moderately hard host rock. Flow top breccia unit. Weak calcite alteration giving the appearance of ultramafic. Lower contact gradational at 33 dca.</p>						128.0	129.0	1	0.024	27	0.8	103	411	A0053973
						129.0	130.0	1	0.083	102	4.8	129	929	A0053974
						130.0	131.0	1	0.0025	8	0.25	22	420	A0053975
						131.0	132.0	1	0.0025	22	0.25	63	369	A0053976
131.03	136.61	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	VERY FINE	DARK GREEN	131.0	132.0	1	0.0025	22	0.25	63	369	A0053976
<p>Fine grained crystal ash tuff.</p>														
136.61	179.97	MVCL, MAFIC VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN									
<p><1 cm brecciated fragments in a dark green moderately hard host rock. Flow top breccia unit. Weak calcite alteration giving the appearance of ultramafic. From 152.73 to 153.39 ash tuff at 21 dca. From 159.90 to 160.65 m inter-fingered grey/white qfp dyke at 30 dca.</p>														
179.97	183.24	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN									
<p>Fine grained crystal ash tuff very hard lower contact at 22</p>														
183.24	207	MVCL, MAFIC VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN									
<p><1 cm brecciated fragments in a dark green moderately hard host rock. Flow top breccia unit. Weak calcite alteration giving the appearance of ultramafic. EOH</p>														

Project: Van Horne

Hole Number: VH19-013

Drill Hole

Prospect: VH-GLATZ
Year: 2019
Hole Size: NQ
Orient: ACT III
Hole Status: COMPLETE

Operator: KGC EXPLORATION
Geologist: MIKE ROBERTS
Casing Depth: 1.5
EOH: 201
Logged Depth: 201

Drilling

Start Date: Sep-23-2019
End Date: Sep-26-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 505,322
Northing: 5,508,193
Elevation: 350

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	1.6	OB, OVERBURDEN												
1.6	5.6	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	GREEN-GREY	1.6	3.0	1.4	0.229	2.5	0.25	30	93	A0053977
		Fine grained ash tuff. Unit is very broken and blocky				3.0	4.0	1	0.304	5	0.25	21	95	A0053978
						4.0	5.0	1	0.081	2.5	0.25	18	99	A0053979
						5.0	5.6	0.6	0.202	2.5	0.25	38	138	A0053980
5.6	17.94	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	5.6	6.0	0.4	0.0025	2.5	0.25	9	104	A0053981
		<1 cm sub rounded clasts in a dark green host rock.				6.0	7.0	1	0.024	5	0.25	13	107	A0053982
						7.0	8.0	1	0.0025	2.5	0.25	12	104	A0053983
						8.0	9.0	1	0.0025	2.5	0.25	7	105	A0053985
						9.0	10.0	1	0.0025	2.5	0.25	8	115	A0053986
						10.0	11.0	1	0.0025	2.5	0.25	10	149	A0053987
						11.0	12.0	1	0.0025	2.5	0.25	53	185	A0053988
						12.0	13.0	1	0.0025	2.5	0.25	3	279	A0053989
						13.0	14.0	1	0.0025	2.5	0.25	15	325	A0053990
						14.0	15.0	1	0.0025	2.5	0.25	2	252	A0053991
						15.0	16.0	1	0.014	2.5	1	331	213	A0053992
						16.0	17.0	1	0.102	6	0.25	4	193	A0053993
						17.0	17.94	0.94	0.006	2.5	0.25	115	149	A0053994
17.94	21.36	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	GREEN-GREY	17.94	19.0	1.06	0.148	31	0.25	7	188	A0053995
		fine grained ash tuff lower contact is broken and rusty.				19.0	20.0	1	0.0025	11	0.25	16	213	A0053996
						20.0	21.26	1.26	0.251	7	0.25	60	160	A0053998
						21.26	22.0	0.74	0.0025	2.5	0.25	80	113	A0053999

Project: Van Horne

Hole Number: VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
21.36	42.64	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	21.26	22.0	0.74	0.0025	2.5	0.25	80	113	A0053999
<1 cm sub rounded clasts in a dark green host rock. From 42.5 to 42.64 unit becomes bleached. lower contact sharp at 30 dca.						22.0	23.0	1	0.012	2.5	1	419	118	A0054000
						23.0	24.0	1	0.011	5	0.5	227	104	A0054001
						24.0	25.0	1	0.0025	2.5	0.25	1	100	A0054002
						25.0	26.0	1	0.0025	2.5	0.25	1	101	A0054003
						26.0	27.0	1	0.0025	2.5	0.25	0.5	100	A0054004
						27.0	28.0	1	0.014	2.5	0.25	6	96	A0054005
						28.0	29.0	1	0.011	2.5	0.25	13	96	A0054006
						29.0	30.0	1	0.0025	2.5	0.25	8	101	A0054007
						30.0	31.0	1	0.113	2.5	0.25	14	98	A0054008
						31.0	32.0	1	0.026	2.5	0.25	7	104	A0054009
						32.0	33.0	1	0.871	2.5	0.25	5	108	A0054011
						33.0	34.0	1	0.014	2.5	0.25	19	110	A0054012
						34.0	35.0	1	0.007	6	0.25	77	108	A0054013
						35.0	36.0	1	0.0025	2.5	0.25	2	111	A0054014
						36.0	37.0	1	0.0025	2.5	0.25	9	102	A0054015
						37.0	38.0	1	0.0025	2.5	0.25	6	112	A0054016
						38.0	39.0	1	0.0025	2.5	0.25	8	101	A0054017
						39.0	40.0	1	1.115	2.5	0.25	3	116	A0054018
						40.0	41.0	1	0.0025	2.5	0.25	1	109	A0054019
						41.0	42.0	1	0.0025	6	0.25	10	109	A0054020
42.0	42.64	0.64	0.0025	2.5	0.25	4	112	A0054021						
42.64	45.39	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	42.64	43.47	0.83	0.013	2.5	0.25	6	22	A0054022
1mm feldspar and quartz rounded phenocrysts in a creamy orange/pink quartz matrix. 1% disseminated py. weak sericite						43.47	44.46	0.99	0.007	2.5	0.25	4	22	A0054024
						44.46	45.39	0.93	0.013	2.5	0.25	5	23	A0054025

Project: Van Horne

Hole Number: VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
45.39	52.72	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	GREEN	45.39	46.0	0.61	0.605	6	0.25	53	104	A0054026
Deformation Zone. 5mm to 2cm sub rounded stretched clasts in a dark green host rock. Unit contains numerous weakly to moderately sheared events including; from 45.39 to 45.7 brecciated chill margin weak to moderate sericite alteration 5% py. From 47.44 to 47.70 brecciated shear moderate sericite. From 48.42 to 48.48 quartz vein within weak shearing at 41 dca. From 50.70 to 51.60 strong shearing with strong sericite alteration with quartz tourmaline veining. Lower contact end of shearing at 42 dca.														
						46.0	47.0	1	0.0025	7	0.25	32	130	A0054027
						47.0	48.0	1	0.006	6	0.25	19	109	A0054028
						48.0	49.0	1	0.884	6	0.25	26	116	A0054029
						49.0	50.0	1	0.015	2.5	0.25	28	146	A0054030
						50.0	51.0	1	0.027	2.5	0.25	10	99	A0054031
						51.0	52.0	1	0.1	2.5	0.25	21	92	A0054032
						52.0	52.72	0.72	5.84	2.5	0.25	75	106	A0054033
52.72	72.3	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	52.72	54.0	1.28	0.009	2.5	0.25	19	123	A0054034
1mm to 2cm sub rounded stretched clasts in a dark green host rock. trace to 1% disseminated and fracture filled pyrite throughout. Lower contact sharp at 38 dca.														
						54.0	55.0	1	0.017	2.5	0.25	6	107	A0054035
						55.0	56.0	1	0.104	2.5	0.25	5	119	A0054037
						56.0	57.0	1	0.041	2.5	0.25	8	130	A0054038
						57.0	58.0	1	0.103	2.5	0.25	7	108	A0054039
						58.0	59.0	1	0.0025	2.5	0.25	15	127	A0054040
						59.0	60.0	1	0.067	6	0.25	22	103	A0054041
						60.0	61.0	1	0.103	2.5	0.25	5	97	A0054042
						61.0	62.0	1	0.0025	6	0.25	4	109	A0054043
						62.0	63.0	1	0.006	2.5	0.25	7	117	A0054044
						63.0	64.0	1	0.005	6	0.25	33	122	A0054045
						64.0	65.0	1	0.009	2.5	0.25	54	111	A0054046
						65.0	66.0	1	0.006	5	0.25	28	101	A0054047
						66.0	67.0	1	0.0025	2.5	0.25	33	98	A0054048
						67.0	68.0	1	0.062	5	0.25	44	103	A0054050
						68.0	69.0	1	0.005	2.5	0.25	42	116	A0054051
						69.0	70.0	1	0.381	2.5	0.25	24	104	A0054052
						70.0	71.0	1	0.005	2.5	0.25	19	108	A0054053
						71.0	71.7	0.7	0.009	2.5	0.25	18	114	A0054054
						71.7	72.3	0.6	0.171	2.5	0.25	15	114	A0054055

Project: Van Horne						Hole Number: VH19-013								
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
72.3	74.75	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	72.3	73.0	0.7	0.013	2.5	0.25	5	32	A0054056
1mm feldspar and quartz rounded phenocrysts in a creamy orange/green quartz matrix. 1% disseminated py. weak sericite. Distorted lower contact against quartz vein at ~42 dca.						73.0	74.0	1	0.017	2.5	0.25	9	25	A0054057
						74.0	74.75	0.75	0.033	2.5	0.25	7	25	A0054058
74.75	77.78	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	VERY FINE	DARK GREEN	74.75	75.8	1.05	0.444	2.5	0.25	12	79	A0054059
1mm to 2cm sub rounded stretched and brecciated clasts in a dark green host rock. From 74.75 to 74.89 quartz vein at 42 dca. Lower contact irregular at 34 dca.						75.8	76.8	1	0.028	2.5	0.25	23	102	A0054060
						76.8	77.78	0.98	0.032	2.5	0.25	51	121	A0054061
77.78	89.26	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	77.78	79.0	1.22	0.159	2.5	0.25	15	42	A0054063
1mm feldspar and quartz rounded phenocrysts in a creamy orange/green quartz matrix. Unit is mostly broken and blocky with several rusty fractures in all directions. Moderate sericite alteration with several quartz veinlets and stringers in numerous orientations. 1% disseminated py. Lower contact at 30 dca.						79.0	80.0	1	0.073	2.5	0.25	5	25	A0054064
						80.0	81.0	1	0.909	2.5	0.25	7	27	A0054065
						81.0	82.0	1	0.219	2.5	0.25	5	21	A0054066
						82.0	83.0	1	0.092	5	0.25	5	24	A0054067
						83.0	84.0	1	0.164	2.5	0.25	4	27	A0054068
						84.0	85.0	1	0.084	2.5	0.25	5	22	A0054069
						85.0	86.0	1	0.065	2.5	0.25	8	24	A0054070
						86.0	87.0	1	0.022	2.5	0.25	4	23	A0054071
						87.0	88.0	1	0.01	2.5	0.25	7	23	A0054072
						88.0	89.26	1.26	0.036	2.5	0.25	8	23	A0054073
89.26	95.24	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	89.26	90.0	0.74	2.45	2.5	0.25	88	92	A0054074
1mm to 2cm sub rounded stretched clasts in a dark green host rock. trace fracture filled pyrite throughout. Lower contact gradational.						90.0	91.0	1	0.018	7	0.25	88	100	A0054076
						91.0	92.0	1	0.112	7	0.25	83	122	A0054077
						92.0	93.0	1	0.006	2.5	0.25	78	131	A0054078
						93.0	94.0	1	0.005	2.5	0.25	100	119	A0054079
						94.0	95.24	1.24	0.017	2.5	0.25	91	111	A0054080
95.24	101.85	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	VERY FINE	DARK GREEN	95.24	96.0	0.76	0.0025	7	0.25	139	129	A0054081
1mm quartz eyes stretched in a dark green ash tuff. From 97.79 to 98.10 m inter-bedded volcaniclastic at 44 dca.						96.0	97.0	1	0.0025	2.5	0.25	37	107	A0054082
						97.0	98.0	1	0.0025	2.5	0.25	33	134	A0054083
						98.0	99.0	1	0.0025	2.5	0.25	85	114	A0054084
						99.0	100.0	1	0.0025	2.5	0.25	72	118	A0054085
						100.0	101.0	1	0.0025	5	0.25	91	126	A0054086
						101.0	102.0	1	0.0025	2.5	0.25	85	132	A0054087

Project: Van Horne

Hole Number: VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
101.85	120.04	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	101.0	102.0	1	0.0025	2.5	0.25	85	132	A0054087
1mm to 2cm sub rounded stretched clasts in a dark green host rock. trace fracture filled pyrite throughout. From 104.47 to 104.91 Shearing at 45 dca with quartz vein from 104.55 to 104.61 m. From 105.17 to 105.23 quartz tourmaline vein at 39 dca.														
						102.0	103.0	1	0.0025	2.5	0.25	91	118	A0054089
						103.0	104.0	1	0.009	2.5	0.25	81	120	A0054090
						104.0	105.0	1	0.007	6	0.25	69	89	A0054091
						105.0	106.0	1	0.014	5	0.25	115	111	A0054092
						106.0	107.0	1	0.085	2.5	0.25	84	103	A0054093
						107.0	108.0	1	0.007	2.5	0.25	77	119	A0054094
						108.0	109.0	1	0.008	2.5	0.25	104	115	A0054095
						109.0	110.0	1	0.0025	6	0.25	70	125	A0054096
						110.0	111.0	1	0.0025	2.5	0.25	64	127	A0054097
						111.0	112.0	1	0.014	2.5	0.25	79	112	A0054098
						112.0	113.0	1	0.0025	2.5	0.25	80	182	A0054099
						113.0	114.0	1	0.006	2.5	0.25	71	180	A0054100
						114.0	115.0	1	2.68	13	0.25	74	136	A0054102
						115.0	116.0	1	0.006	2.5	0.25	69	127	A0054103
						116.0	117.0	1	1.06	5	0.25	79	140	A0054104
						117.0	118.0	1	0.006	2.5	0.25	44	128	A0054105
						118.0	119.0	1	0.0025	6	0.25	56	143	A0054106
						119.0	120.04	1.04	0.0025	5	0.25	23	106	A0054107
120.04	127.83	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	120.04	121.0	0.96	0.033	2.5	0.25	5	116	A0054108
Crackle Breccia Zone. 1mm to 1 cm sub-rounded stretched clasts that have been reworked in a healed breccia and crackle appearance. Strong chlorite and calcite healed fracturing with moderate silica alteration. From 121.71 to 121.76 quartz vein at 43 dca. From 126.95 to 127.00 m quartz vein at 47 dca.														
						121.0	122.0	1	0.504	2.5	0.25	7	96	A0054109
						122.0	123.0	1	0.0025	2.5	0.25	3	86	A0054110
						123.0	124.0	1	0.562	2.5	0.25	5	93	A0054111
						124.0	125.0	1	0.0025	2.5	0.25	6	93	A0054112
						125.0	126.0	1	0.0025	2.5	0.25	4	86	A0054113
						126.0	127.0	1	0.114	5	0.25	4	70	A0054115
						127.0	127.83	0.83	0.232	2.5	0.25	11	70	A0054116

Project: Van Horne **Hole Number:** VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
127.83	134.48	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC FINE		CREAM	127.83	129.0	1.17	0.248	2.5	0.25	8	26	A0054117
1mm feldspar and quartz rounded phenocrysts in a creamy orange/pink quartz matrix. 1% disseminated py/po local tourmaline. Numerous veinlets and stringers throughout. From 129.17 to 129.27 quartz vein at 37 dca. From 132.12 to 132.16 m quartz vein at 32 dca.						129.0	130.0	1	0.311	2.5	0.25	4	23	A0054118
						130.0	131.0	1	0.348	2.5	0.25	12	28	A0054119
						131.0	132.0	1	0.73	2.5	0.25	5	25	A0054120
						132.0	133.0	1	1.065	5	0.25	3	20	A0054121
						133.0	134.0	1	0.19	2.5	0.25	8	23	A0054122
						134.0	134.48	0.48	0.023	2.5	0.25	17	33	A0054123

Project: Van Horne

Hole Number: VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
134.48	169.65	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	134.48	135.0	0.52	0.075	12	0.25	244	131	A0054124
Dark green fine grained mostly massive flow. Local plagioclase and/or quartz eye tuffaceous areas. Numerous quartz and quartz carbonate stringers throughout. Weak calcite and chlorite alteration. From 142.42 to 142.47 quartz vein at 43 dca. From 143.30 to 143.31 m quartz vein at 46 dca including 10 cm bleached halo and 2% cubic py.. From 148.60 to 148.148.65 quartz carbonate vein at 44 dca. from 149.58 to 149.63 quartz carbonate vein at 49 dca. from 159.45 to 159.57 quartz carbonate vein at 47 dca including 10 cm bleached halo at 2% cubic py. From 169.45 to 169.65 50% quartz carbonate veinlets at 45 dca.						135.0	136.0	1	0.005	2.5	0.25	67	95	A0054125
						136.0	137.0	1	0.156	2.5	0.25	50	122	A0054126
						137.0	138.0	1	0.0025	2.5	0.25	48	110	A0054128
						138.0	139.0	1	0.0025	2.5	0.25	45	126	A0054129
						139.0	140.0	1	0.005	2.5	0.25	83	130	A0054130
						140.0	141.0	1	0.0025	2.5	0.25	99	104	A0054131
						141.0	142.0	1	0.008	2.5	0.25	192	96	A0054132
						142.0	143.0	1	0.176	6	0.25	178	128	A0054133
						143.0	144.0	1	0.329	9	0.25	75	87	A0054134
						144.0	145.0	1	0.039	2.5	0.25	108	107	A0054135
						145.0	146.0	1	0.0025	2.5	0.25	27	107	A0054136
						146.0	147.0	1	0.0025	2.5	0.25	73	121	A0054137
						147.0	148.0	1	0.0025	2.5	0.25	71	127	A0054138
						148.0	149.0	1	0.191	2.5	0.25	53	91	A0054139
						149.0	150.0	1	0.125	2.5	0.25	5	84	A0054141
						150.0	151.0	1	0.02	2.5	0.25	4	74	A0054142
						151.0	152.0	1	0.0025	2.5	0.25	60	90	A0054143
						152.0	153.0	1	0.01	2.5	0.25	51	101	A0054144
						153.0	154.0	1	0.0025	2.5	0.25	76	136	A0054145
						154.0	155.0	1	0.0025	2.5	0.25	92	156	A0054146
						155.0	156.0	1	0.0025	2.5	0.25	73	134	A0054147
						156.0	157.0	1	0.0025	2.5	0.25	53	125	A0054148
						157.0	158.0	1	0.0025	2.5	0.25	47	154	A0054149
						158.0	159.0	1	0.018	5	0.25	221	208	A0054150
						159.0	160.0	1	0.709	8	0.25	8	107	A0054151
						160.0	161.0	1	0.009	2.5	0.25	39	124	A0054152
						161.0	162.0	1	0.009	9	0.25	75	106	A0054154
						162.0	163.0	1	0.0025	2.5	0.25	23	90	A0054155
						163.0	164.0	1	0.0025	2.5	0.25	10	93	A0054156
						164.0	165.0	1	0.0025	2.5	0.25	15	91	A0054157

Project: Van Horne

Hole Number: VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						165.0	166.0	1	0.0025	2.5	0.25	72	96	A0054158
						166.0	167.0	1	0.007	6	0.25	240	91	A0054159
						167.0	168.0	1	0.0025	2.5	0.25	71	93	A0054160
						168.0	169.0	1	0.0025	2.5	0.25	72	97	A0054161
						169.0	169.65	0.65	0.043	5	0.25	55	92	A0054162
169.65	188.79	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	169.65	171.0	1.35	0.01	2.5	0.25	68	97	A0054163
1mm to 2cm sub rounded stretched clasts in a dark green host rock. Numerous quartz and quartz carbonate stringers and veinlets throughout. Weak calcite and chlorite alteration.						171.0	172.0	1	0.006	2.5	0.25	68	159	A0054164
From 177.46 to 179.49 quartz carbonate vein at 42 dca with 2% cubic py.						172.0	173.0	1	0.006	2.5	0.25	79	144	A0054165
						173.0	174.0	1	0.017	2.5	0.25	109	207	A0054167
						174.0	175.0	1	0.439	8	0.5	98	192	A0054168
						175.0	176.0	1	0.037	7	0.25	86	142	A0054169
						176.0	177.0	1	0.008	5	0.25	105	168	A0054170
						177.0	178.0	1	0.006	2.5	0.25	85	177	A0054171
						178.0	179.0	1	0.013	7	0.25	98	163	A0054172
						179.0	180.0	1	0.322	5	0.25	77	160	A0054173
						180.0	181.0	1	0.026	2.5	0.25	103	149	A0054174
						181.0	182.0	1	0.018	6	0.25	99	157	A0054175
						182.0	183.0	1	0.02	2.5	0.25	81	192	A0054176
						183.0	184.0	1	0.012	5	0.25	82	180	A0054177
						184.0	185.0	1	0.009	6	0.25	65	153	A0054178
						185.0	186.0	1	0.005	8	0.25	81	178	A0054180
						186.0	187.0	1	0.0025	2.5	0.25	82	180	A0054181
						187.0	188.0	1	0.0025	2.5	0.25	56	171	A0054182
						188.0	188.79	0.79	0.0025	2.5	0.25	61	208	A0054183

Project: Van Horne

Hole Number: VH19-013

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
188.79	201	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	188.79	190.0	1.21	7.66	2.5	0.25	21	57	A0054184
Dark green fine grained mostly massive flow. Local plagioclase and/or quartz rich tuffaceous areas. Numerous quartz and quartz carbonate stringers throughout. Weak calcite and chlorite alteration. From 199.51 to 199.60 brecciated quartz carbonate vein at 25 dca.														
						190.0	191.0	1	0.0025	2.5	0.25	7	73	A0054185
						191.0	192.0	1	0.0025	2.5	0.25	15	72	A0054186
						192.0	193.0	1	0.0025	5	0.25	50	68	A0054187
						193.0	194.0	1	0.0025	2.5	0.25	26	75	A0054188
						194.0	195.0	1	0.0025	2.5	0.25	7	74	A0054189
						195.0	196.0	1	0.0025	2.5	0.25	7	61	A0054190
						196.0	197.0	1	0.0025	2.5	0.25	5	49	A0054191
						197.0	198.0	1	0.0025	5	0.25	12	63	A0054193
						198.0	199.0	1	0.0025	2.5	0.25	70	214	A0054194
						199.0	200.0	1	0.0025	2.5	0.25	108	389	A0054195
						200.0	201.0	1	0.005	2.5	0.25	85	246	A0054196

Project: Van Horne						Hole Number: VH19-014					
Drill Hole			Drilling			Coordinates					
Prospect:	VH-GLATZ	Operator:	KGC EXPLORATION	Start Date:	Sep-26-2019	Survey Method:		HANDHELD GPS			
Year:	2019	Geologist:	MIKE ROBERTS	End Date:	Sep-29-2019	Grid:		NAD83 / UTM zone 15N			
Hole Size:	NQ	Casing Depth:	1.5	Drill Company:		Easting:		505,668			
Orient:	ACT III	EOH:	225			Northing:		5,508,278			
Hole Status:	COMPLETE	Logged Depth:	225			Elevation:		350			

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	2	OB, OVERBURDEN												
Casing to 1.2 m														
2	11.96	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	2.0	3.0	1	0.0025	2.5	0.25	6	115	A0054197
1 to 5 cm clasts to lappillis in a dark green host rock. well foliated at 47 dca.														
Lower contact at 47 dca.														
						3.0	4.0	1	0.0025	2.5	0.25	51	119	A0054198
						4.0	5.0	1	0.0025	2.5	0.25	19	127	A0054199
						5.0	6.0	1	0.0025	2.5	0.25	4	121	A0054200
						6.0	7.0	1	0.0025	2.5	0.25	43	133	A0054201
						7.0	8.0	1	0.0025	2.5	0.25	6	121	A0054202
						8.0	9.0	1	0.0025	2.5	0.25	3	126	A0054203
						9.0	10.0	1	0.0025	2.5	0.25	2	128	A0054204
						10.0	11.0	1	0.0025	2.5	0.25	2	130	A0054206
						11.0	11.96	0.96	0.0025	2.5	0.25	3	135	A0054207
11.96	19.34	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	BEIGE	11.96	13.0	1.04	0.055	2.5	0.25	9	39	A0054208
1mm sub-rounded to angular feldspar phenocrysts in an orange glassy quartz matrix.														
Lack of quartz veining and stringers. From 16 to 16.38 m healed fault breccia with chlorite healed fractures.														
< 1% very fine grained disseminated py throughout. Lower contact fractured at 54 dca.														
						13.0	14.0	1	0.045	2.5	0.25	9	37	A0054209
						14.0	15.0	1	0.053	2.5	0.25	9	33	A0054210
						15.0	16.0	1	0.068	2.5	0.25	10	33	A0054211
						16.0	17.0	1	0.065	2.5	0.25	10	37	A0054212
						17.0	18.0	1	0.108	2.5	0.25	10	33	A0054213
						18.0	18.6	0.6	0.086	2.5	0.25	17	33	A0054214
						18.6	19.34	0.74	2.85	2.5	0.5	19	32	A0054215
19.34	21	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	19.34	20.0	0.66	0.016	2.5	0.25	36	135	A0054216
1-2 cm stretched clasts in a dark green host rock.														
						20.0	21.0	1	0.0025	2.5	0.25	47	123	A0054217

Project: Van Horne										Hole Number: VH19-014				
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
21	23	IV, INTERMEDIATE VOLCANIC weakly silicified ash tuff lower contact 50 dca.	EQUIGRANULAR	VERY FINE	DARK GREEN	21.0	22.0	1	0.0025	2.5	0.25	26	128	A0054219
						22.0	23.0	1	0.0025	2.5	0.25	10	116	A0054220
23	37.04	IVCL, INTERMEDIATE VOLCANICLASTIC 1-2 cm stretched clasts in a dark green host rock. 4 cross cutting rusty fractures at 141 dca.	POLYMIC TIC	FINE	DARK GREEN	23.0	24.0	1	0.0025	2.5	0.25	40	112	A0054221
						24.0	25.0	1	0.0025	2.5	0.25	38	112	A0054222
						25.0	26.0	1	0.0025	2.5	0.25	43	107	A0054223
						26.0	27.0	1	0.0025	2.5	0.25	38	115	A0054224
						27.0	28.0	1	0.0025	2.5	0.25	35	121	A0054225
						28.0	29.0	1	0.0025	2.5	0.25	43	121	A0054226
						29.0	30.0	1	0.0025	2.5	0.25	45	114	A0054227
						30.0	31.0	1	0.0025	2.5	0.25	45	110	A0054228
						31.0	32.0	1	0.0025	2.5	0.25	13	106	A0054229
						32.0	33.0	1	0.0025	2.5	0.7	85	115	A0054230
						33.0	34.0	1	0.0025	6	0.25	94	135	A0054232
						34.0	35.0	1	0.038	2.5	0.25	10	114	A0054233
						35.0	36.0	1	0.0025	2.5	0.25	31	120	A0054234
36.0	37.04	1.04	0.0025	6	0.8	48	135	A0054235						
37.04	38.56	IV, INTERMEDIATE VOLCANIC Fine to very fine grained mostly massive ash tuff.	EQUIGRANULAR	FINE	DARK GREEN	37.04	38.0	0.96	0.0025	2.5	0.5	91	183	A0054236
						38.0	38.56	0.56	0.0025	2.5	0.5	81	192	A0054237
38.56	42.37	IVCL, INTERMEDIATE VOLCANICLASTIC 1-2 cm stretched clasts in a dark green host rock.	POLYMIC TIC	FINE	DARK GREEN	38.56	39.38	0.82	0.01	2.5	0.5	58	150	A0054238
						39.38	40.36	0.98	0.015	7	0.6	41	126	A0054239
						40.36	41.54	1.18	0.0025	5	0.25	20	160	A0054240
						41.54	42.37	0.83	0.013	2.5	0.5	9	194	A0054241
42.37	46.53	IV, INTERMEDIATE VOLCANIC Fine to very fine grained mostly massive ash tuff.	EQUIGRANULAR	FINE	DARK GREEN	42.37	43.0	0.63	0.0025	7	0.25	51	237	A0054242
						43.0	44.0	1	0.0025	8	0.25	48	173	A0054243
						44.0	45.0	1	0.0025	2.5	0.25	31	154	A0054245
						45.0	46.0	1	0.0025	2.5	0.25	40	170	A0054246
						46.0	46.53	0.53	0.006	6	0.25	40	179	A0054247

Project: Van Horne							Hole Number: VH19-014							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
46.53	48.43	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	46.53	47.0	0.47	0.006	6	0.25	18	191	A0054248
1-2 cm stretched clasts in a dark green host rock.						47.0	48.0	1	0.031	9	0.6	17	201	A0054249
From 48.20 to 48.43 2 cm boudinaged quartz veining with 5% pyrrhotite.						48.0	49.0	1	0.035	42	1.2	122	356	A0054250
48.43	55.89	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	48.0	49.0	1	0.035	42	1.2	122	356	A0054250
Fine to very fine grained mostly massive ash tuff.						49.0	50.0	1	0.007	7	0.25	52	197	A0054251
From 52 to 55.89 m several 1-2mm quartz calcite stringers.						50.0	51.0	1	0.204	2.5	0.25	27	99	A0054252
Lower contact fault gouge.						51.0	52.0	1	0.011	2.5	0.25	13	106	A0054253
						52.0	53.0	1	0.306	2.5	0.25	28	94	A0054254
						53.0	54.0	1	0.0025	2.5	0.25	37	98	A0054255
						54.0	55.0	1	0.081	2.5	0.25	26	109	A0054256
						55.0	55.89	0.89	0.0025	6	0.25	57	101	A0054258

Project: Van Horne

Hole Number: VH19-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
55.89	77.24	IVCL, INTERMEDIATE VOLCANICLASTIC 1-2 cm stretched clasts in a dark green host rock.	POLYMICTIC	FINE	DARK GREEN	55.89	57.0	1.11	0.021	11	0.5	48	144	A0054259
						57.0	58.0	1	0.047	10	0.7	30	152	A0054260
						58.0	59.0	1	0.06	13	1	34	200	A0054261
						59.0	60.0	1	0.051	34	0.6	22	732	A0054262
						60.0	61.0	1	0.1	15	0.5	13	215	A0054263
						61.0	62.0	1	0.064	13	0.9	30	216	A0054264
						62.0	63.0	1	0.006	2.5	0.25	5	168	A0054265
						63.0	64.0	1	0.0025	7	0.25	5	159	A0054266
						64.0	65.0	1	0.0025	2.5	0.25	5	129	A0054267
						65.0	66.0	1	0.024	2.5	0.25	30	141	A0054268
						66.0	67.0	1	0.0025	2.5	0.25	7	133	A0054269
						67.0	68.0	1	0.0025	2.5	0.25	5	146	A0054271
						68.0	69.0	1	0.024	2.5	0.25	26	142	A0054272
						69.0	70.0	1	0.0025	7	0.25	26	111	A0054273
						70.0	71.0	1	0.0025	6	0.25	58	110	A0054274
						71.0	72.0	1	0.024	2.5	0.25	28	127	A0054275
						72.0	73.0	1	0.043	9	0.8	50	144	A0054276
						73.0	74.0	1	0.014	7	0.25	56	194	A0054277
						74.0	75.0	1	0.016	5	0.25	47	196	A0054278
						75.0	76.0	1	0.005	7	0.25	18	168	A0054279
						76.0	77.24	1.24	0.006	5	0.25	18	203	A0054280

Project: Van Horne

Hole Number: VH19-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
77.24	99.98	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	77.24	78.0	0.76	0.014	2.5	0.25	50	181	A0054281
Fine to very fine grained mostly massive ash tuff. From 78.13 to 78.21 rusty fracture zone at 27 dca. From 92.33 to 92.58 quartz carbonate veining crosscutting at 155 dcas. Lower contact irregular shallow at 18 dca.						78.0	79.0	1	0.0025	8	0.25	31	198	A0054282
						79.0	80.0	1	0.0025	6	0.25	43	174	A0054284
						80.0	81.0	1	0.0025	5	0.25	14	152	A0054285
						81.0	82.0	1	0.0025	2.5	0.25	30	174	A0054286
						82.0	83.0	1	0.0025	2.5	0.25	66	147	A0054287
						83.0	84.0	1	0.0025	7	0.25	29	165	A0054288
						84.0	85.0	1	0.01	20	0.25	4	172	A0054289
						85.0	86.0	1	0.0025	6	0.25	36	168	A0054290
						86.0	87.0	1	0.0025	7	0.25	55	126	A0054291
						87.0	88.0	1	0.0025	6	0.25	51	132	A0054292
						88.0	89.0	1	0.0025	6	0.25	44	139	A0054293
						89.0	90.0	1	0.0025	2.5	0.25	57	149	A0054294
						90.0	91.0	1	0.0025	8	0.25	45	162	A0054295
						91.0	92.0	1	0.0025	5	0.25	44	174	A0054297
						92.0	93.0	1	0.028	5	0.25	32	162	A0054298
						93.0	94.0	1	0.0025	7	0.25	57	227	A0054299
						94.0	95.0	1	0.0025	5	0.25	42	190	A0054300
						95.0	96.0	1	0.0025	2.5	0.25	60	154	A0054301
						96.0	97.0	1	0.0025	2.5	0.25	48	162	A0054302
						97.0	98.0	1	0.0025	6	0.25	39	171	A0054303
						98.0	99.0	1	0.0025	10	0.25	66	168	A0054304
						99.0	99.98	0.98	0.006	2.5	0.25	52	146	A0054305

Project: Van Horne							Hole Number: VH19-014							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
99.98	111.37	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	99.98	101.0	1.02	0.007	2.5	0.25	71	140	A0054306
1-3 cm rounded clasts mostly in a dark green host rock.						101.0	102.0	1	0.0025	2.5	0.25	68	147	A0054307
						102.0	103.0	1	0.032	5	0.25	65	147	A0054308
						103.0	104.0	1	0.0025	13	0.25	55	151	A0054310
						104.0	105.0	1	0.014	2.5	0.25	97	136	A0054311
						105.0	106.0	1	0.005	2.5	0.25	103	138	A0054312
						106.0	107.0	1	0.0025	7	0.25	58	156	A0054313
						107.0	108.0	1	0.0025	2.5	0.25	64	171	A0054314
						108.0	109.0	1	0.0025	2.5	0.25	48	157	A0054315
						109.0	110.0	1	0.0025	2.5	0.25	60	152	A0054316
						110.0	111.0	1	0.0025	2.5	0.25	68	158	A0054317
						111.0	112.0	1	0.0025	2.5	0.25	48	145	A0054318
111.37	117	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREEN	111.0	112.0	1	0.0025	2.5	0.25	48	145	A0054318
Deformation Zone.						112.0	113.0	1	0.0025	2.5	0.5	71	154	A0054319
1-3 cm rounded clasts in a dark green host rock. Unit is weakly bleached with numerous quartz veining including; from 115.21 to 115.60 quartz tourmaline vein with 2% py at 49 dca. 2 mm fault gouge at 114.85 m at 60 dca.						113.0	114.0	1	0.0025	2.5	0.25	73	149	A0054320
						114.0	115.0	1	0.0025	2.5	0.25	63	144	A0054321
						115.0	116.0	1	0.721	5	0.25	24	81	A0054323
						116.0	117.0	1	0.036	2.5	0.25	73	142	A0054324
117	128	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	117.0	118.0	1	0.013	2.5	0.25	50	132	A0054325
1-3 cm rounded clasts mostly in a dark green host rock. Numerous quartz and quartz carbonate veins and stringers throughout.						118.0	119.0	1	0.015	2.5	0.25	62	122	A0054326
						119.0	120.0	1	0.01	2.5	0.25	57	142	A0054327
						120.0	121.0	1	0.0025	2.5	0.25	59	121	A0054328
						121.0	122.0	1	0.005	2.5	0.25	51	125	A0054329
						122.0	123.0	1	0.02	7	0.25	25	117	A0054330
						123.0	124.09	1.09	0.01	2.5	0.25	63	119	A0054331
						124.09	125.0	0.91	0.0025	2.5	0.25	41	111	A0054332
						125.0	126.0	1	0.0025	2.5	0.25	22	89	A0054333
						126.0	127.0	1	0.0025	2.5	0.25	26	93	A0054334
						127.0	128.0	1	0.0025	2.5	0.25	52	106	A0054336

Project: Van Horne

Hole Number: VH19-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
128	150	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	VERY FINE	DARK GREEN	128.0	129.0	1	0.009	8	0.25	93	128	A0054337
Fine grained ash tuff or flow with local quartz eyes <1 mm in size. Unit may or may not be a mafic flow. unit grades to a medium grain with plagioclase replacement? of quartz vesicles?. No distinctive contacts.						129.0	130.0	1	0.007	5	0.25	20	88	A0054338
						130.0	131.0	1	0.008	2.5	0.25	14	65	A0054339
						131.0	132.0	1	0.01	2.5	0.25	17	65	A0054340
						132.0	133.0	1	0.012	5	0.25	25	58	A0054341
						133.0	134.0	1	0.006	6	0.25	10	60	A0054342
						134.0	135.0	1	0.0025	2.5	0.25	8	76	A0054343
						135.0	136.0	1	0.0025	2.5	0.25	2	78	A0054344
						136.0	137.0	1	0.0025	2.5	0.25	2	87	A0054345
						137.0	138.0	1	0.0025	2.5	0.25	30	112	A0054346
						138.0	139.0	1	0.0025	2.5	0.25	15	101	A0054347
						139.0	140.0	1	0.0025	2.5	0.25	6	93	A0054349
						140.0	141.0	1	0.0025	5	0.25	2	82	A0054350
						141.0	142.0	1	0.069	2.5	0.25	17	79	A0054351
						142.0	143.0	1	0.02	2.5	0.25	25	94	A0054352
						143.0	144.0	1	0.0025	2.5	0.25	18	94	A0054353
						144.0	145.0	1	0.0025	2.5	0.25	15	75	A0054354
						145.0	146.0	1	0.006	5	0.25	17	67	A0054355
						146.0	147.0	1	0.041	2.5	0.25	18	83	A0054356
						147.0	148.0	1	0.015	6	0.25	23	88	A0054357
						148.0	149.0	1	0.0025	2.5	0.25	17	75	A0054358
						149.0	150.0	1	0.0025	2.5	0.25	19	76	A0054359

Project: Van Horne

Hole Number: VH19-014

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
150	225	MV, MAFIC VOLCANIC	AMYGDALOIDAL	MEDIUM	DARK GREEN	150.0	151.0	1	0.0025	2.5	0.25	18	72	A0054360
Fine to medium grained mafic flows. Units of dark green well foliated (weak shearing) fine grained flows to coarser grained mostly massive flows with cubic plagioclase vesicles replaced locally with magnetite.						151.0	152.0	1	0.0025	2.5	0.25	21	95	A0054362
Weak shearing from 199.03 to 202.08						152.0	153.0	1	0.0025	2.5	0.25	28	90	A0054363
Weak shearing from 213.17 to 216.23 including quartz veining/flooding from 213.17 to 213.49 m.						153.0	154.0	1	0.0025	2.5	0.25	56	88	A0054364
						154.0	155.0	1	0.0025	2.5	0.25	58	112	A0054365
						155.0	156.0	1	0.006	2.5	0.25	51	114	A0054366
						156.0	157.0	1	0.084	2.5	0.25	50	113	A0054367
						157.0	158.0	1	0.109	2.5	0.25	73	118	A0054368
						158.0	159.0	1	0.086	2.5	0.25	48	107	A0054369
						159.0	160.0	1	0.006	2.5	0.25	45	111	A0054370
						160.0	161.0	1	0.0025	2.5	0.25	51	110	A0054371
						161.0	162.0	1	0.0025	2.5	0.25	53	123	A0054372
						196.0	197.0	1	0.0025	2.5	0.25	8	96	A0054373
						197.0	198.0	1	0.0025	2.5	0.25	39	101	A0054375
						198.0	199.03	1.03	0.005	2.5	0.25	41	106	A0054376
						199.03	200.0	0.97	0.968	2.5	0.25	53	96	A0054377
						200.0	201.0	1	0.057	2.5	0.25	48	105	A0054378
						201.0	202.0	1	1.41	2.5	0.25	43	107	A0054379
						202.0	203.08	1.08	0.006	2.5	0.25	48	101	A0054380
						203.08	204.0	0.92	0.005	2.5	0.25	42	106	A0054381
						204.0	205.0	1	0.0025	5	0.25	45	115	A0054382
						205.0	206.0	1	0.0025	5	0.25	44	107	A0054383
						206.0	207.0	1	0.0025	2.5	0.25	41	112	A0054384
						207.0	208.0	1	0.0025	2.5	0.25	49	112	A0054385
						208.0	209.0	1	0.0025	2.5	0.25	38	111	A0054386
						209.0	210.0	1	0.0025	8	0.25	41	108	A0054388
						210.0	211.0	1	0.0025	7	0.25	42	106	A0054389
						211.0	212.0	1	0.0025	2.5	0.5	47	121	A0054390
						212.0	213.0	1	0.0025	2.5	0.25	34	111	A0054391
						213.0	214.0	1	0.062	2.5	0.25	25	79	A0054392
						214.0	215.0	1	0.005	2.5	0.25	38	110	A0054393

Project: Van Horne								Hole Number: VH19-014						
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						215.0	216.0	1	0.01	2.5	0.25	44	106	A0054394
						216.0	217.0	1	0.0025	2.5	0.25	32	110	A0054395
						217.0	218.0	1	0.0025	2.5	0.25	36	118	A0054396
						218.0	219.0	1	0.005	2.5	0.25	45	111	A0054397

Project: Van Horne

Hole Number: VH19-015

Drill Hole

Prospect: VH-GLATZ
Year: 2019
Hole Size: NQ
Orient: ACT III
Hole Status: COMPLETE

Operator: KGC EXPLORATION
Geologist: MIKE ROBERTS
Casing Depth: 1
EOH: 243
Logged Depth: 243

Drilling

Start Date: Oct-29-2019
End Date: Oct-02-2019
Drill Company: Distinctive Drilling

Coordinates

Survey Method: HANDHELD GPS
Grid: NAD83 / UTM zone 15N
Easting: 505,668
Northing: 5,508,278
Elevation: 350

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	1.15	OB, OVERBURDEN												
1.15	14.75	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	1.15	2.0	0.85	0.0025	2.5	0.25	14	118	A0054398
5mm to 2 cm sub-rounded to angular clasts in a dark green host rock. Lower contact is brecciated at 39 dca.						2.0	3.0	1	0.0025	2.5	0.25	35	116	A0054399
						3.0	4.0	1	0.0025	2.5	0.25	10	117	A0054401
						4.0	5.0	1	0.0025	2.5	0.25	36	120	A0054402
						5.0	6.0	1	0.0025	2.5	0.25	18	135	A0054403
						6.0	7.0	1	0.0025	2.5	0.25	19	127	A0054404
						7.0	8.0	1	0.0025	2.5	0.25	5	121	A0054405
						8.0	9.0	1	0.0025	2.5	0.25	17	138	A0054406
						9.0	10.0	1	0.0025	2.5	0.25	172	132	A0054407
						10.0	11.0	1	0.0025	2.5	0.25	41	125	A0054408
						11.0	12.0	1	0.0025	2.5	0.25	9	120	A0054409
						12.0	13.0	1	0.0025	2.5	0.25	4	124	A0054410
						13.0	14.0	1	0.0025	2.5	0.25	5	131	A0054411
						14.0	14.75	0.75	0.0025	2.5	0.25	6	143	A0054412

Project: Van Horne							Hole Number: VH19-015							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
14.75	23.55	QFP, Quartz-Feldspar Porphyry	PORPHYRITIC	FINE	CREAM	14.75	15.5	0.75	0.025	5	0.25	19	29	A0054414
1mm feldspar and quartz phenocrysts in a creamy orange quartz matrix. Unit is strongly fractured with numerous quartz stringers throughout. 1% disseminated py. Lower contact fractured at 39 dca.						15.5	16.0	0.5	0.051	10	0.25	10	27	A0054415
						16.0	17.0	1	0.065	2.5	0.25	9	32	A0054416
						17.0	18.0	1	0.047	2.5	0.25	6	31	A0054417
						18.0	19.0	1	0.148	2.5	0.25	7	50	A0054418
						19.0	20.0	1	0.109	2.5	0.25	13	33	A0054419
						20.0	21.0	1	0.047	2.5	0.25	11	31	A0054420
						21.0	22.0	1	0.028	2.5	0.25	14	31	A0054421
						22.0	23.0	1	0.09	2.5	0.25	7	32	A0054422
						23.0	23.55	0.55	0.044	2.5	0.25	13	27	A0054423
23.55	41.03	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	23.55	24.48	0.93	0.0025	2.5	0.25	15	224	A0054424
5mm to 2 cm sub-rounded to angular clasts in a dark green host rock. From 23.55 to 24.20 m Unit is strongly fractured and healed fault brecciated at 39 dca. From 23.55 to 35.00 m numerous 1-5 mm quartz veinlets and stringers. At 24.48 2 mm fault gouge crosscutting at 129 dca. From 27.00 to 27.25 very strongly fractured. From 28.90 to 29.10 1% fracture filling stretched pyrite.						24.48	25.0	0.52	0.0025	2.5	0.25	3	129	A0054425
						25.0	26.0	1	0.27	2.5	0.25	6	129	A0054427
						26.0	27.0	1	0.017	2.5	0.25	8	138	A0054428
						27.0	28.0	1	0.0025	2.5	0.25	31	157	A0054429
						28.0	29.0	1	0.0025	2.5	0.25	21	148	A0054430
						29.0	30.0	1	0.006	7	0.25	42	127	A0054431
						30.0	31.0	1	0.0025	5	0.25	39	133	A0054432
						31.0	32.0	1	0.0025	2.5	0.25	34	143	A0054433
						32.0	33.0	1	0.0025	2.5	0.25	3	86	A0054434
						33.0	34.0	1	0.0025	2.5	0.25	2	87	A0054435
						34.0	35.0	1	0.0025	2.5	0.25	29	115	A0054436
						35.0	36.0	1	0.0025	2.5	0.25	73	163	A0054437
						36.0	37.0	1	0.0025	2.5	0.25	71	148	A0054438
						37.0	38.0	1	0.0025	2.5	0.25	38	127	A0054440
						38.0	39.0	1	0.0025	2.5	0.25	49	107	A0054441
						39.0	40.0	1	0.0025	2.5	0.25	40	95	A0054442
						40.0	41.03	1.03	0.0025	2.5	0.25	37	107	A0054443

Project: Van Horne							Hole Number: VH19-015							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
41.03	43.98	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	41.03	42.0	0.97	0.0025	2.5	0.25	54	144	A0054444
Fine grained dark green ash tuff. From 42.88 to 43.20 shear zone rusty and fractured at 30 dca. Lower contact sharp at 56 dca.						42.0	43.0	1	0.0025	2.5	0.25	39	137	A0054445
						43.0	43.98	0.98	0.0025	2.5	0.25	50	159	A0054446
43.98	68.63	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	43.98	45.0	1.02	0.0025	2.5	0.25	45	136	A0054447
5mm to 2 cm sub-rounded to angular clasts in a dark green host rock.						45.0	46.0	1	0.0025	2.5	0.25	42	112	A0054448
						62.0	63.0	1	0.006	2.5	0.25	41	135	A0054449
						63.0	64.0	1	0.0025	2.5	0.25	22	111	A0054450
						64.0	65.0	1	0.02	5	0.25	44	151	A0054451
						65.0	66.0	1	0.006	2.5	0.25	21	145	A0054453
						66.0	67.0	1	0.005	5	0.25	19	185	A0054454
						67.0	68.0	1	0.012	9	0.25	91	179	A0054455
						68.0	68.63	0.63	0.009	8	0.25	38	162	A0054456
68.63	80.45	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	68.63	69.48	0.85	0.076	2.5	0.25	20	117	A0054457
Fine grained ash tuff that has been reworked and strained. Strong silica alteration with numerous quartz carbonate and quartz tourmaline veins with fracture filling potassic alteration throughout.. From 69.48 to 69.60 m Quartz tourmaline breccia vein at 63 dca. From 70.03 to 70.45 stock-work of 1 cm veins at 31 dca. From 74.84 to 74.87 massive pyrite crosscutting at 110 dca. Lower contact sharp at 34 dca.						69.48	70.0	0.52	0.243	2.5	0.25	7	73	A0054458
						70.0	71.0	1	0.223	2.5	0.25	20	90	A0054459
						71.0	72.0	1	0.274	2.5	0.25	73	103	A0054460
						72.0	73.0	1	0.155	2.5	0.25	15	94	A0054461
						73.0	74.0	1	0.066	2.5	0.25	19	96	A0054462
						74.0	75.0	1	0.269	2.5	0.25	18	81	A0054463
						75.0	76.0	1	1.075	2.5	0.25	20	84	A0054464
						76.0	77.0	1	0.674	8	0.25	24	105	A0054466
						77.0	78.0	1	0.372	2.5	0.25	21	88	A0054467
						78.0	79.0	1	0.385	2.5	0.25	18	100	A0054468
						79.0	79.67	0.67	0.196	2.5	0.25	5	94	A0054469
						79.67	80.45	0.78	0.231	2.5	0.25	30	100	A0054470

Project: Van Horne

Hole Number: VH19-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
80.45	135	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	80.45	81.0	0.55	0.0025	2.5	0.25	20	124	A0054471
Maybe Mafic volcanoclastic? 5mm to 5 cm sub-rounded to angular clasts in a dark green host rock. Unit has large lapilli of what appears to be angular dyke material (maybe flow top breccia versus clastic). From 82.16 to 82.29 5mm quartz stringers boudinaged and cut off from each other in a random pattern resembling burrowing. From 89.37 to 89.48 strong shear with sericite alteration and quartz carbonate veining at 36 dca. From 113.38 to 113.43 crosscutting quartz vein at 135 dca. Lower contact at 37 dca.						81.0	82.0	1	0.025	5	0.5	56	160	A0054472
						82.0	83.0	1	0.024	6	0.25	52	151	A0054473
						83.0	84.0	1	0.005	2.5	0.25	56	165	A0054474
						84.0	85.0	1	0.0025	2.5	0.25	47	126	A0054475
						85.0	86.0	1	0.005	2.5	0.25	53	152	A0054476
						86.0	87.0	1	0.0025	2.5	0.25	62	144	A0054477
						87.0	88.0	1	0.005	2.5	0.25	62	137	A0054479
						88.0	89.0	1	0.0025	2.5	0.25	51	152	A0054480
						89.0	90.0	1	0.0025	2.5	0.25	49	134	A0054481
						90.0	91.0	1	0.005	2.5	0.25	61	153	A0054482
						91.0	92.0	1	0.006	2.5	0.6	62	155	A0054483
						92.0	93.0	1	0.0025	2.5	0.6	47	134	A0054484
						93.0	94.0	1	0.009	2.5	0.25	49	158	A0054485
						94.0	95.0	1	0.021	2.5	0.8	51	152	A0054486
						95.0	96.0	1	0.015	2.5	0.6	37	146	A0054487
						96.0	97.0	1	0.014	2.5	0.25	61	204	A0054488
						97.0	98.0	1	0.006	2.5	0.25	26	178	A0054489
						98.0	99.0	1	0.011	2.5	0.25	49	149	A0054490
						99.0	100.0	1	0.008	7	0.25	56	152	A0054492
						100.0	101.0	1	0.008	6	0.25	52	169	A0054493
						101.0	102.0	1	0.005	2.5	0.25	58	227	A0054494
						102.0	103.0	1	0.006	2.5	0.25	54	276	A0054495
						103.0	104.0	1	0.006	9	0.25	40	345	A0054496
						104.0	105.0	1	0.095	36	2.2	770	658	A0054497
						105.0	106.0	1	0.007	2.5	0.25	62	298	A0054498
						106.0	107.0	1	0.0025	5	0.25	52	208	A0054499
						107.0	108.0	1	0.0025	2.5	0.25	33	171	A0054500
						108.0	109.0	1	0.0025	2.5	0.25	40	160	A0054501
						109.0	110.0	1	0.0025	2.5	0.25	52	145	A0054502
						110.0	111.0	1	0.01	2.5	0.25	60	142	A0054503

Project: Van Horne **Hole Number:** VH19-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						111.0	112.0	1	0.0025	2.5	0.25	59	148	A0054505
						112.0	113.0	1	0.006	2.5	0.25	50	152	A0054506
						113.0	114.0	1	0.006	2.5	0.25	67	176	A0054507
						114.0	115.0	1	0.005	2.5	0.25	68	152	A0054508
						115.0	116.0	1	0.01	2.5	0.25	78	154	A0054509
						116.0	117.0	1	0.014	2.5	0.25	31	152	A0054510
						134.0	135.0	1	0.005	2.5	0.25	43	188	A0054511
135	138.27	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	135.0	136.0	1	0.014	6	0.25	74	179	A0054512
		Fine grained ash tuff with 1 mm stretched quartz eyes. Weak foliation at ~ 36 dca. From 137.69 to				136.0	137.0	1	0.006	8	0.25	27	236	A0054513
						137.0	138.27	1.27	0.011	10	0.25	44	203	A0054514

Project: Van Horne

Hole Number: VH19-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
138.27	161.57	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	DARK GREEN	138.27	139.0	0.73	0.007	7	0.25	34	186	A0054515
5mm to 2 cm sub-rounded to angular clasts in a dark green host rock. A more typical volcanoclastic. Difficult to determine gradational lower contact but at 43 dca.						139.0	140.0	1	0.006	5	0.25	62	201	A0054516
From 145 to 145.60 m. Shear zone. strong sericite alteration surrounding a quartz tourmaline vein from 145.10 to 145.30 m at 59 dca.						140.0	141.0	1	0.0025	6	0.25	39	176	A0054518
From 151.50 to 158.06 unit is slightly bleached with subtle sericite.						141.0	142.0	1	0.006	2.5	0.25	37	173	A0054519
						142.0	143.0	1	0.007	2.5	0.25	60	171	A0054520
						143.0	144.0	1	0.007	2.5	0.25	57	164	A0054521
						144.0	145.0	1	0.005	2.5	0.25	45	176	A0054522
						145.0	146.0	1	0.016	2.5	0.25	58	98	A0054523
						146.0	147.0	1	0.017	2.5	0.25	77	89	A0054524
						147.0	148.0	1	0.018	2.5	0.25	57	81	A0054525
						148.0	149.0	1	0.08	2.5	0.25	40	101	A0054526
						149.0	150.0	1	0.0025	2.5	0.25	11	143	A0054527
						150.0	151.0	1	0.005	2.5	0.25	62	132	A0054528
						151.0	152.0	1	0.0025	2.5	0.25	3	107	A0054529
						152.0	153.0	1	0.0025	2.5	0.25	0.5	117	A0054531
						153.0	154.0	1	0.0025	2.5	0.25	0.5	93	A0054532
						154.0	155.0	1	0.0025	2.5	0.25	0.5	81	A0054533
						155.0	156.0	1	0.0025	5	0.25	0.5	86	A0054534
						156.0	157.0	1	0.0025	2.5	0.25	1	83	A0054535
						157.0	158.0	1	0.0025	5	0.25	2	86	A0054536
						158.0	159.0	1	0.006	2.5	0.25	40	93	A0054537
						159.0	160.0	1	0.0025	2.5	0.25	15	94	A0054538
						160.0	161.0	1	0.0025	2.5	0.25	1	113	A0054539
						161.0	161.57	0.57	0.0025	2.5	0.25	0.5	121	A0054540

Project: Van Horne

Hole Number: VH19-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
161.57	188.33	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	161.57	162.3	0.73	0.0025	5	0.25	12	66	A0054541
Fine grained ash tuff. Lack of silica and dark green amphiboles suggest this may be a mafic flow yet there are ashy flakes of plag and/or quartz eyes occasionally. From 163.64 to 163.95 small deformation zone with quartz vein from 163.87 to 163.95 m. at 45 dca.						162.3	163.27	0.97	0.0025	2.5	0.25	3	63	A0054542
						163.27	164.0	0.73	0.0025	8	0.25	8	48	A0054544
						164.0	165.0	1	0.0025	5	0.25	5	62	A0054545
						165.0	166.0	1	0.005	2.5	0.25	77	62	A0054546
						166.0	167.0	1	0.0025	2.5	0.25	8	106	A0054547
						167.0	168.0	1	0.0025	2.5	0.25	12	121	A0054548
						168.0	169.0	1	0.0025	2.5	0.25	12	75	A0054549
						169.0	170.0	1	0.0025	2.5	0.25	30	73	A0054550
						170.0	171.0	1	0.006	2.5	0.25	18	73	A0054551
						171.0	172.0	1	0.0025	5	0.25	13	93	A0054552
						172.0	173.0	1	0.009	2.5	0.25	27	102	A0054553
						173.0	174.0	1	0.006	2.5	0.25	29	86	A0054554
						174.0	175.0	1	0.005	8	0.25	29	95	A0054555
						175.0	176.0	1	0.164	5	0.25	29	107	A0054557
						176.0	177.0	1	0.006	5	0.25	32	94	A0054558
						177.0	178.0	1	0.007	2.5	0.25	30	80	A0054559
						178.0	179.0	1	0.009	2.5	0.25	29	101	A0054560
						179.0	180.0	1	0.017	2.5	0.25	46	98	A0054561
						180.0	181.0	1	0.189	2.5	0.25	15	74	A0054562
						181.0	182.0	1	0.076	2.5	0.25	14	66	A0054563
						182.0	183.0	1	0.012	5	0.25	35	59	A0054564
						183.0	184.0	1	0.007	6	0.25	29	80	A0054565
						184.0	185.0	1	0.009	2.5	0.25	41	110	A0054566
						185.0	186.0	1	0.009	2.5	0.25	45	116	A0054567
						186.0	187.0	1	0.631	2.5	0.25	77	164	A0054568
						187.0	188.33	1.33	0.218	2.5	0.25	52	112	A0054570

Project: Van Horne

Hole Number: VH19-015

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
188.33	243	MV, MAFIC VOLCANIC	MASSIVE	MEDIUM	GREEN	188.33	189.0	0.67	0.009	2.5	0.25	47	117	A0054571
Fine to medium grained mafic flows. Units of dark green well foliated (weak shearing) fine grained flows to coarser grained mostly massive flows with cubic plagioclase vesicles altered to light green olive colour. From 208 to 209 weak deformation with quartz veining (25%). From 225 to 241 m unit contains numerous quartz and quartz carbonate stringers and veinlets... lack of significant mineralization and alteration though.						189.0	190.0	1	0.008	2.5	0.6	45	119	A0054572
						190.0	191.0	1	0.008	2.5	0.25	42	116	A0054573
						204.0	205.0	1	0.008	2.5	0.25	44	117	A0054574
						205.0	206.0	1	0.007	2.5	0.25	42	113	A0054575
						206.0	207.0	1	0.006	2.5	0.5	39	111	A0054576
						207.0	208.0	1	0.268	2.5	0.25	41	111	A0054577
						208.0	209.0	1	0.945	2.5	1.1	47	148	A0054578
						209.0	210.0	1	0.007	2.5	0.25	42	116	A0054579
						210.0	211.0	1	0.006	2.5	0.25	45	117	A0054580
						211.0	212.0	1	0.0025	2.5	0.25	49	124	A0054581
						224.0	225.0	1	0.006	2.5	0.25	40	113	A0054583
						225.0	226.0	1	1.045	2.5	0.25	42	114	A0054584
						226.0	227.0	1	0.008	2.5	0.25	35	116	A0054585
						227.0	228.0	1	0.022	2.5	0.25	32	114	A0054586
						228.0	229.0	1	0.159	2.5	0.25	37	113	A0054587
						229.0	230.0	1	0.01	2.5	0.25	41	112	A0054588
						230.0	231.0	1	0.035	2.5	0.25	41	113	A0054589
						231.0	232.0	1	0.008	2.5	0.25	33	113	A0054590
						232.0	233.0	1	0.499	2.5	0.25	39	115	A0054591
						233.0	234.0	1	0.36	2.5	0.25	46	118	A0054592
						234.0	235.0	1	0.182	2.5	0.25	40	114	A0054593
						235.0	236.0	1	0.016	2.5	0.25	32	112	A0054594
						236.0	237.0	1	0.208	2.5	0.25	40	108	A0054596
						237.0	238.0	1	0.23	2.5	0.25	36	122	A0054597
						238.0	239.0	1	0.033	2.5	0.25	37	110	A0054598
						239.0	240.0	1	0.078	2.5	0.25	62	345	A0054599
						240.0	241.0	1	0.013	2.5	0.25	52	122	A0054600
						241.0	242.0	1	0.01	2.5	0.25	38	112	A0054601
						242.0	243.0	1	0.01	2.5	0.25	41	114	A0054602

Project: Van Horne **Hole Number:** VH19-016

Drill Hole		Drilling		Coordinates	
Prospect:	VH-GLATZ	Operator:	KGC EXPLORATION	Start Date:	Oct-02-2019
Year:	2019	Geologist:	MIKE ROBERTS	End Date:	Oct-04-2019
Hole Size:	NQ	Casing Depth:	7	Drill Company:	Distinctive Drilling
Orient:	ACT III	EOH:	210	Survey Method:	HANDHELD GPS
Hole Status:	COMPLETE	Logged Depth:	210	Grid:	NAD83 / UTM zone 15N
				Easting:	505,612
				Northing:	5,508,279
				Elevation:	350

Comments:

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
0	7.88	OB, OVERBURDEN												
Casing to 7.20 m.														

Project: Van Horne

Hole Number: VH19-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
7.88	48.39	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREEN-GREY	7.88	9.0	1.12	0.005	6	0.25	13	249	A0054603
A mix of sharp angular clasts as breccia with sub rounded 1-2 cm clasts in a dark grey green host rock. Unit has numerous ash tuff beds throughout. It has been reworked a lot. Unit is well mineralized with < 1mm pyrite crystals disseminated and fracture filling throughout.						9.0	10.0	1	0.006	2.5	0.25	19	186	A0054604
From 13.83 to 14.77 a series of 5 fault gouges (~5mm wide) cross cutting at 127 dca.						10.0	11.0	1	0.0025	2.5	0.25	18	159	A0054605
At 17.08 1 mm fault gouge cross cutting at 141 dca.						11.0	12.0	1	0.0025	2.5	0.25	23	146	A0054606
From 20.30 to 20.40 m strongly fractured with fault gouge at ~120 dca.						12.0	13.0	1	0.0025	2.5	0.25	17	158	A0054607
From 29.37 to 29.40 m healed fault breccia at 59 dca.						13.0	14.0	1	0.0025	2.5	0.25	13	179	A0054609
From 30.90 to 30.95 m healed fault breccia at 43 dca.						14.0	15.0	1	0.0025	2.5	0.25	6	314	A0054610
From 32.07 to 32.18 m turbaceous quartz calcite at 39 dca.						15.0	16.0	1	0.0025	2.5	0.25	3	144	A0054611
From 37.72 to 37.77 m quartz carbonate vein at 57 dca.						16.0	17.0	1	0.0025	2.5	0.25	4	142	A0054612
Lower contact irregular at 38 dca.						17.0	18.0	1	0.0025	2.5	0.25	8	147	A0054613
						18.0	19.0	1	0.0025	2.5	0.25	11	124	A0054614
						19.0	20.0	1	0.0025	2.5	0.25	5	131	A0054615
						20.0	21.0	1	0.0025	2.5	0.25	4	141	A0054616
						21.0	22.0	1	0.0025	2.5	0.25	5	131	A0054617
						22.0	23.0	1	0.0025	2.5	0.25	34	141	A0054618
						23.0	24.0	1	0.0025	2.5	0.25	21	134	A0054619
						24.0	25.0	1	0.0025	2.5	0.25	31	144	A0054620
						25.0	26.0	1	0.01	8	0.25	22	135	A0054622
						26.0	27.0	1	0.0025	2.5	0.25	16	142	A0054623
						27.0	28.0	1	0.0025	2.5	0.25	19	142	A0054624
						28.0	29.0	1	0.005	2.5	0.25	20	163	A0054625
						29.0	30.0	1	0.007	2.5	0.25	30	121	A0054626
						30.0	31.0	1	0.014	11	0.25	56	248	A0054627
						31.0	32.0	1	0.015	22	0.25	25	590	A0054628
						32.0	33.0	1	0.088	22	0.25	99	1,190	A0054629
						33.0	34.0	1	0.007	2.5	0.25	11	218	A0054630
						34.0	35.0	1	0.013	6	0.25	22	118	A0054631
						35.0	36.0	1	0.008	6	0.25	17	146	A0054632
						36.0	37.0	1	0.0025	2.5	0.5	15	149	A0054633
						37.0	38.0	1	0.006	2.5	0.25	28	111	A0054635
						38.0	39.0	1	0.0025	2.5	0.5	41	95	A0054636

Project: Van Horne

Hole Number: VH19-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
						39.0	40.0	1	0.0025	2.5	0.25	41	96	A0054637
						40.0	41.0	1	0.0025	2.5	0.6	44	97	A0054638
						41.0	42.0	1	0.0025	2.5	0.6	27	105	A0054639
						42.0	43.0	1	0.0025	2.5	0.25	19	149	A0054640
						43.0	44.0	1	0.0025	2.5	0.5	33	133	A0054641
						44.0	45.0	1	0.0025	2.5	0.25	26	107	A0054642
						45.0	46.0	1	0.0025	2.5	0.25	66	101	A0054643
						46.0	47.0	1	0.0025	7	0.25	79	98	A0054644
						47.0	47.74	0.74	0.0025	2.5	0.25	35	114	A0054645
						47.74	48.39	0.65	0.0025	2.5	0.25	37	125	A0054646
48.39	50.02	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	GREEN-GREY	48.39	49.0	0.61	0.0025	10	0.25	4	90	A0054648
Fine grained ash tuff with some replacement with calcite. Lower contact sharp at 44 dca.						49.0	50.02	1.02	0.0025	2.5	0.25	4	85	A0054649
50.02	57.4	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	GREEN-GREY	50.02	51.0	0.98	0.0025	2.5	0.25	67	118	A0054650
1mm to 2 cm sub rounded clasts in a dark green host rock.						51.0	52.0	1	0.0025	2.5	0.25	109	98	A0054651
						52.0	53.0	1	0.0025	6	0.25	41	112	A0054652
						53.0	54.0	1	0.005	7	0.25	21	144	A0054653
						54.0	55.0	1	0.0025	7	0.25	11	111	A0054654
						55.0	56.0	1	0.0025	8	0.25	9	108	A0054655
						56.0	56.67	0.67	0.0025	5	0.25	19	94	A0054656
						56.67	57.4	0.73	0.032	2.5	0.25	37	86	A0054657
57.4	62.32	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	VERY FINE	GREEN-GREY	57.4	58.0	0.6	0.0025	2.5	0.25	10	99	A0054658
Fine grained ash tuff. High strain unit. Moderately altered with silica with potassic leaching along numerous healed fractures. Stockwork of 1 cm quartz veins throughout with trace tourmaline along vein edges and pyrite.						58.0	59.0	1	0.008	5	0.25	18	87	A0054659
						59.0	60.0	1	0.179	2.5	0.25	21	75	A0054661
						60.0	61.0	1	0.609	5	0.25	20	61	A0054662
						61.0	62.0	1	0.579	6	0.25	34	64	A0054663
						62.0	63.0	1	0.307	2.5	0.25	23	84	A0054664

Project: Van Horne

Hole Number: VH19-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
62.32	82	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	GREEN-GREY	62.0	63.0	1	0.307	2.5	0.25	23	84	A0054664
1mm to 2 cm sub-rounded clasts in a dark green host rock. Moderate calcite and chlorite alteration. From 76.56 to 76.82 creamy chill margin? (no dyking nor litho contacts present) <1mm magnetite replacement. Lower contact gradational.														
						63.0	64.0	1	0.912	5	0.25	13	96	A0054665
						64.0	65.0	1	0.743	2.5	0.25	24	91	A0054666
						65.0	65.66	0.66	2.16	2.5	0.25	4	115	A0054667
						65.66	66.32	0.66	0.054	2.5	0.25	8	103	A0054668
						66.32	67.0	0.68	0.0025	2.5	0.25	29	101	A0054669
						67.0	68.0	1	0.0025	7	0.25	22	133	A0054670
						68.0	69.0	1	0.0025	8	0.25	18	145	A0054671
						69.0	70.0	1	0.0025	6	0.25	48	120	A0054672
						70.0	71.0	1	0.007	5	0.25	153	723	A0054674
						71.0	72.0	1	0.0025	2.5	0.25	13	129	A0054675
						72.0	73.0	1	0.0025	2.5	0.25	25	109	A0054676
						73.0	74.0	1	0.009	2.5	0.25	10	115	A0054677
						74.0	75.0	1	0.0025	2.5	0.25	16	86	A0054678
						75.0	76.0	1	0.0025	8	0.25	21	101	A0054679
						76.0	77.0	1	0.0025	2.5	0.25	18	95	A0054680
						77.0	78.0	1	0.0025	2.5	0.25	12	110	A0054681
						78.0	79.0	1	0.0025	2.5	0.25	7	104	A0054682
						79.0	80.0	1	0.0025	6	0.25	9	142	A0054683
						80.0	81.0	1	0.0025	6	0.25	11	156	A0054684
						81.0	82.0	1	0.006	2.5	0.25	6	122	A0054685
82	86	MVCL, MAFIC VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	82.0	83.0	1	0.0025	5	0.25	6	175	A0054687
1 mm to 2 cm sub rounded clasts in a dark green host rock. Same as previous but strong chlorite and calcite alteration all but obliterates clasts. Lower contact gradational														
						83.0	84.0	1	0.094	68	1.1	189	2,270	A0054688
						84.0	85.0	1	0.047	47	1.3	15	656	A0054689
						85.0	86.0	1	0.018	20	0.7	22	496	A0054690

Project: Van Horne							Hole Number: VH19-016							
From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
86	98.24	MV, MAFIC VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	86.0	87.0	1	0.0025	5	0.25	20	308	A0054691
Massive fine grained unit. Strong chlorite and calcite alteration. Moderately hard with quartz calcite eyes that may have replaced tuffaceous minerals.						87.0	88.0	1	0.0025	5	0.25	30	163	A0054692
						88.0	89.0	1	0.013	2.5	0.25	33	166	A0054693
						89.0	90.0	1	0.0025	2.5	0.25	29	189	A0054694
						90.0	91.0	1	0.0025	2.5	0.25	26	215	A0054695
						91.0	92.0	1	0.01	15	0.6	49	438	A0054696
						92.0	93.0	1	0.099	43	1.7	299	779	A0054697
						93.0	94.0	1	0.0025	2.5	0.25	21	457	A0054698
						94.0	95.0	1	0.065	48	0.5	83	397	A0054700
						95.0	96.0	1	0.011	12	0.25	54	317	A0054701
						96.0	97.0	1	0.007	6	0.25	25	252	A0054702
						97.0	98.24	1.24	0.011	7	0.25	41	216	A0054703
98.24	107.47	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMIC TIC	FINE	LIGHT GREEN	98.24	99.0	0.76	0.013	2.5	0.25	24	131	A0054704
Unit varies from 1 mm sub rounded clasts to large 30 cm creamy altered clasts of quartz eye tuff or quartz porphyry? Quite reworked but not angular breccia. Looks like flow top breccia from surface outcrop. Lower contact sharp at 62 dca.						99.0	100.0	1	0.015	2.5	0.25	56	139	A0054705
						100.0	101.0	1	0.024	2.5	0.25	68	152	A0054706
						101.0	102.0	1	0.015	2.5	0.25	56	130	A0054707
						102.0	103.0	1	0.008	6	0.25	52	101	A0054708
						103.0	104.0	1	0.009	2.5	0.25	71	111	A0054709
						104.0	105.0	1	0.009	2.5	0.25	24	123	A0054710
						105.0	106.0	1	0.01	2.5	0.25	47	118	A0054711
						106.0	107.0	1	0.011	7	0.25	58	140	A0054713
						107.0	107.47	0.47	0.0025	2.5	0.25	54	116	A0054714
107.47	114.91	IV, INTERMEDIATE VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	107.47	108.0	0.53	0.0025	2.5	0.25	80	141	A0054715
Fine grained ash tuff with some calcite replacement. From 110.55 to 110.81 quartz veining in a small deformation zone at 39 dca.						108.0	109.0	1	0.005	5	0.25	67	121	A0054716
						109.0	110.0	1	0.007	2.5	0.25	66	116	A0054717
						110.0	111.0	1	0.652	2.5	0.25	37	106	A0054718
						111.0	112.0	1	0.044	2.5	0.25	78	184	A0054719
						112.0	113.0	1	0.005	2.5	0.25	48	174	A0054720
						113.0	114.0	1	0.0025	2.5	0.25	70	189	A0054721
						114.0	114.91	0.91	0.0025	2.5	0.25	78	197	A0054722

Project: Van Horne

Hole Number: VH19-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
114.91	154.89	IVCL, INTERMEDIATE VOLCANICLASTIC	POLYMICTIC	FINE	DARK GREEN	114.91	116.0	1.09	0.0025	5	0.25	56	193	A0054723
1mm to 2 cm sub rounded clasts in a dark green host rock. From 122 to 123 weakly sheared with weak hematite staining. From 133.29 to 133.31 quartz tourmaline vein with trace chalcopyrite. From 136.0 to 136.50 m deformation with bleaching. From 138.92 to 138.96 quartz vein at 60 dca. Lower contact down dip at 155 dca.														
						116.0	117.0	1	0.0025	5	0.25	37	177	A0054724
						131.0	132.0	1	0.0025	17	0.25	26	176	A0054726
						132.0	133.0	1	0.02	2.5	0.25	91	130	A0054727
						133.0	134.0	1	0.0025	7	0.25	25	168	A0054728
						134.0	135.0	1	0.0025	6	0.25	54	173	A0054729
						135.0	136.0	1	0.0025	2.5	0.25	22	202	A0054730
						136.0	137.0	1	0.334	2.5	0.25	52	130	A0054731
						137.0	138.0	1	0.0025	5	0.25	17	149	A0054732
						138.0	139.0	1	0.011	6	0.25	108	158	A0054733
						139.0	140.0	1	0.0025	5	0.25	26	149	A0054734

154.89 159.92 IV, INTERMEDIATE VOLCANIC EQUIGRANULAR FINE DARK GREEN
 Fine grained ash flow with subtle silica alteration.
 Lower contact at 57 dca.

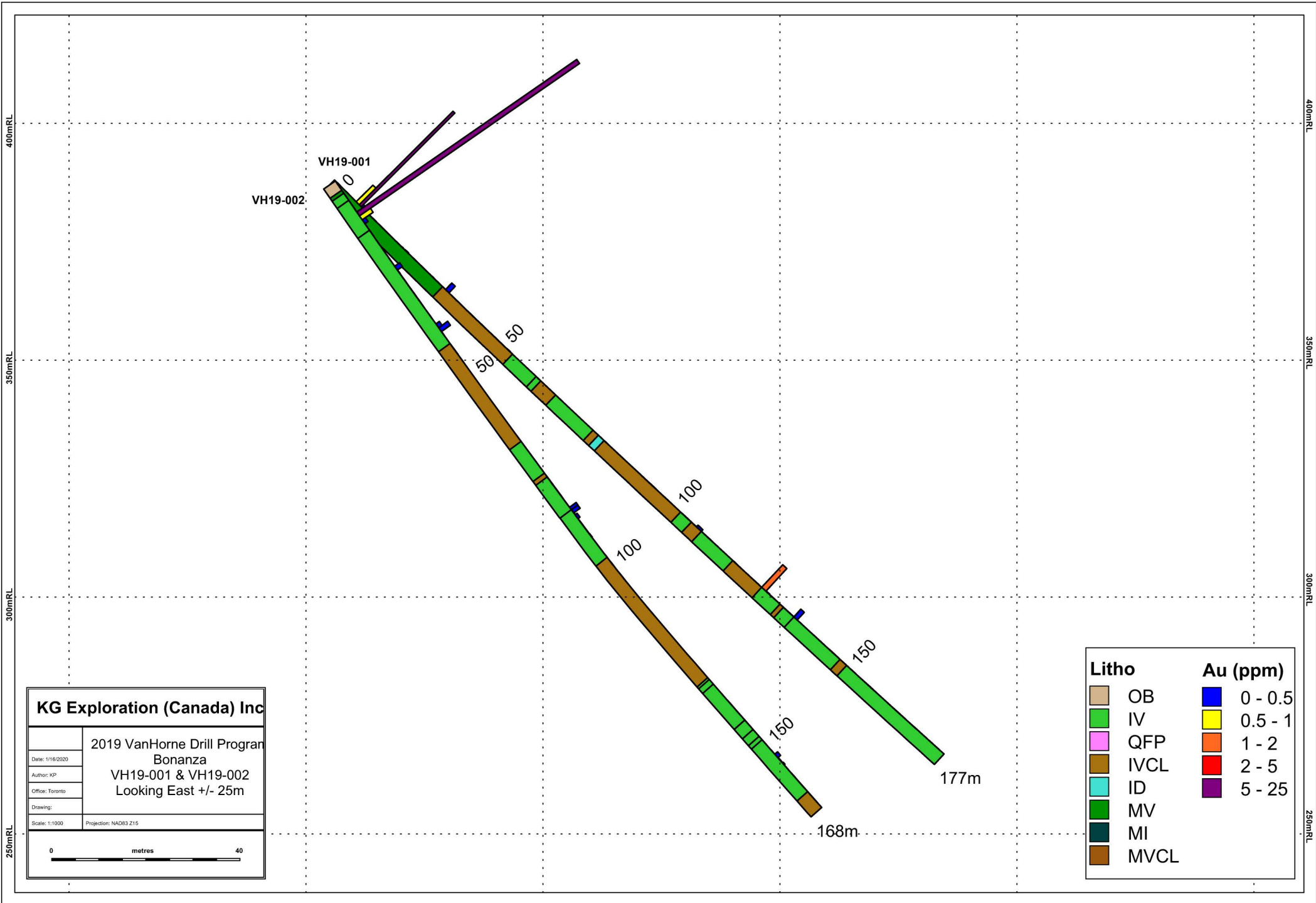
159.92 172.83 IVCL, INTERMEDIATE VOLCANICLASTIC POLYMICTIC FINE DARK GREEN
 1mm to 2 cm clasts in a dark green host rock. Clasts are very subtle and hard to identify. Unit contains several instances of pin point magnetite replacement as well as fracture filling euhedral pyrite.
 From 169 to 170 creamy bleaching .

Project: Van Horne

Hole Number: VH19-016

From	To	Lithology	Texture	Grain Size	Colour	From	To	Length	Au	As	Ag	Cu	Zn	Sample
172.83	210	MV, MAFIC VOLCANIC	EQUIGRANULAR	FINE	DARK GREEN	177.0	178.0	1	0.0025	2.5	0.25	18	103	A0054735
Fine grained dark green flow with local coarser grained areas. Unit contains numerous quartz and quartz carbonate fracture filling stringers throughout. From 179.09 to 179.16 quartz veining at 42 dca. From 181.72 to 181.77 quartz vein at 42 dca. From 198.75 to 198.90 quartz vein and flooding at 69 dca. From 200.82 to 200.85 quartz vein at 60 dca. From 201.58 to 201.62 quartz vein at 59 dca. From 202.66 to 202.71 quartz vein at 57 dca. From 202.93 to 202.96 quartz vein at 50 dca.						178.0	179.0	1	0.0025	2.5	0.25	10	111	A0054736
						179.0	180.0	1	0.29	6	0.25	13	117	A0054737
						180.0	181.0	1	0.308	2.5	0.25	26	93	A0054739
						181.0	182.0	1	0.062	2.5	0.25	10	90	A0054740
						182.0	183.0	1	0.0025	5	0.25	17	102	A0054741
						183.0	184.0	1	0.0025	2.5	0.25	8	101	A0054742
						196.0	197.0	1	0.005	2.5	0.25	14	73	A0054743
						197.0	198.0	1	0.428	2.5	0.25	17	81	A0054744
						198.0	199.0	1	2.73	2.5	0.25	17	73	A0054745
						199.0	200.0	1	0.307	7	0.25	16	90	A0054746
						200.0	201.0	1	0.13	2.5	0.25	10	79	A0054747
						201.0	202.0	1	0.154	2.5	0.25	12	73	A0054748
						202.0	203.0	1	1.675	2.5	0.25	16	67	A0054749
						203.0	204.0	1	0.254	2.5	0.25	13	82	A0054750
						204.0	205.0	1	0.109	10	0.25	16	118	A0054752

Appendix K: Drill Cross-sections



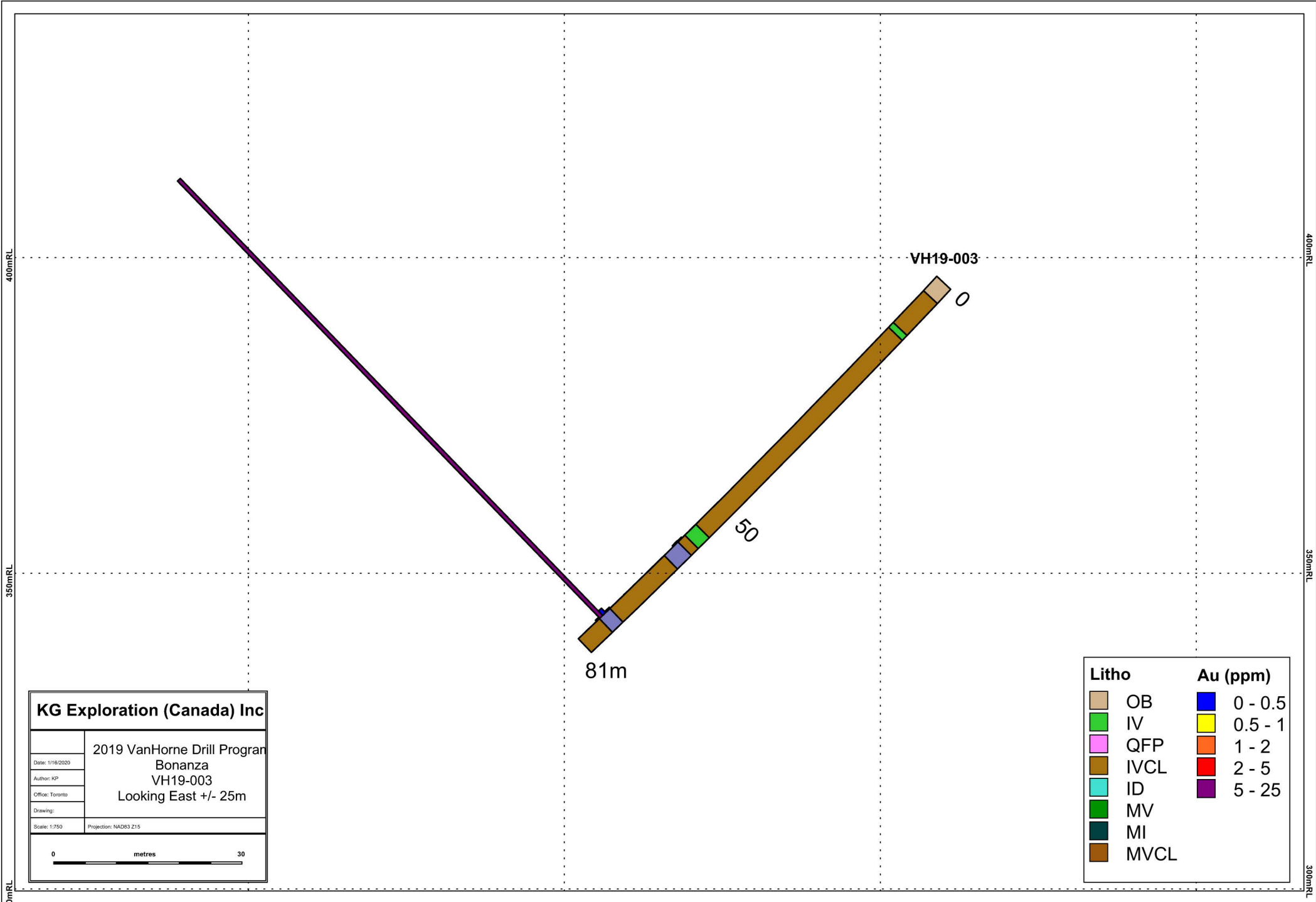
KG Exploration (Canada) Inc

2019 VanHorne Drill Program
 Bonanza
 VH19-001 & VH19-002
 Looking East +/- 25m

Date: 1/16/2020
 Author: KP
 Office: Toronto
 Drawing:
 Scale: 1:1000 Projection: NAD83 Z16

0 metres 40

Litho		Au (ppm)	
	OB		0 - 0.5
	IV		0.5 - 1
	QFP		1 - 2
	IVCL		2 - 5
	ID		5 - 25
	MV		
	MI		
	MVCL		



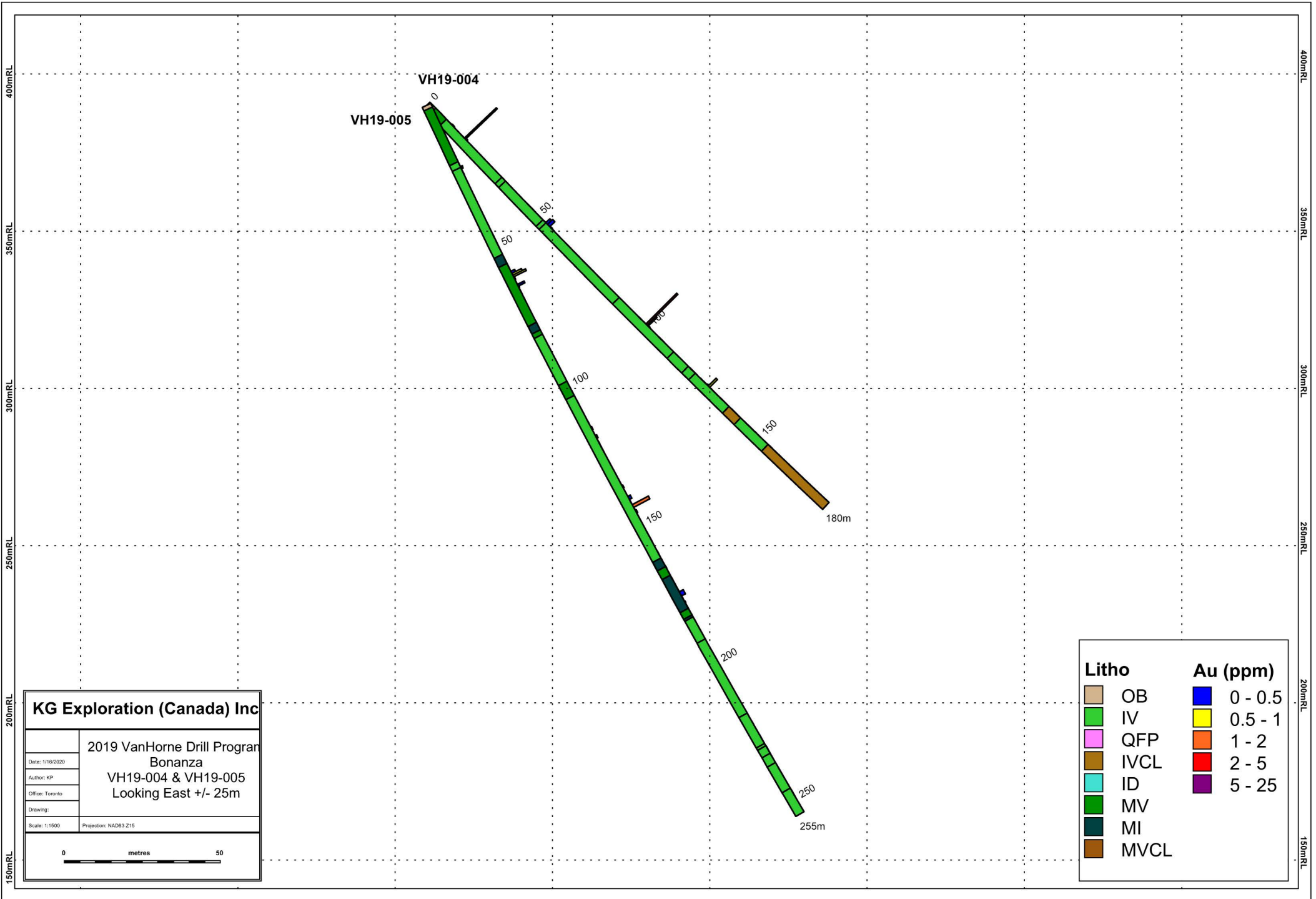
KG Exploration (Canada) Inc

2019 VanHorne Drill Program
 Bonanza
 VH19-003
 Looking East +/- 25m

Date: 1/16/2020
 Author: KP
 Office: Toronto
 Drawing:
 Scale: 1:750 Projection: NAD83 Z15

0 metres 30

Litho		Au (ppm)	
	OB		0 - 0.5
	IV		0.5 - 1
	QFP		1 - 2
	IVCL		2 - 5
	ID		5 - 25
	MV		
	MI		
	MVCL		



KG Exploration (Canada) Inc

2019 VanHorne Drill Program
 Bonanza
 VH19-004 & VH19-005
 Looking East +/- 25m

Date: 11/6/2020
 Author: KP
 Office: Toronto
 Drawing:
 Scale: 1:1500
 Projection: NAD83 Z15

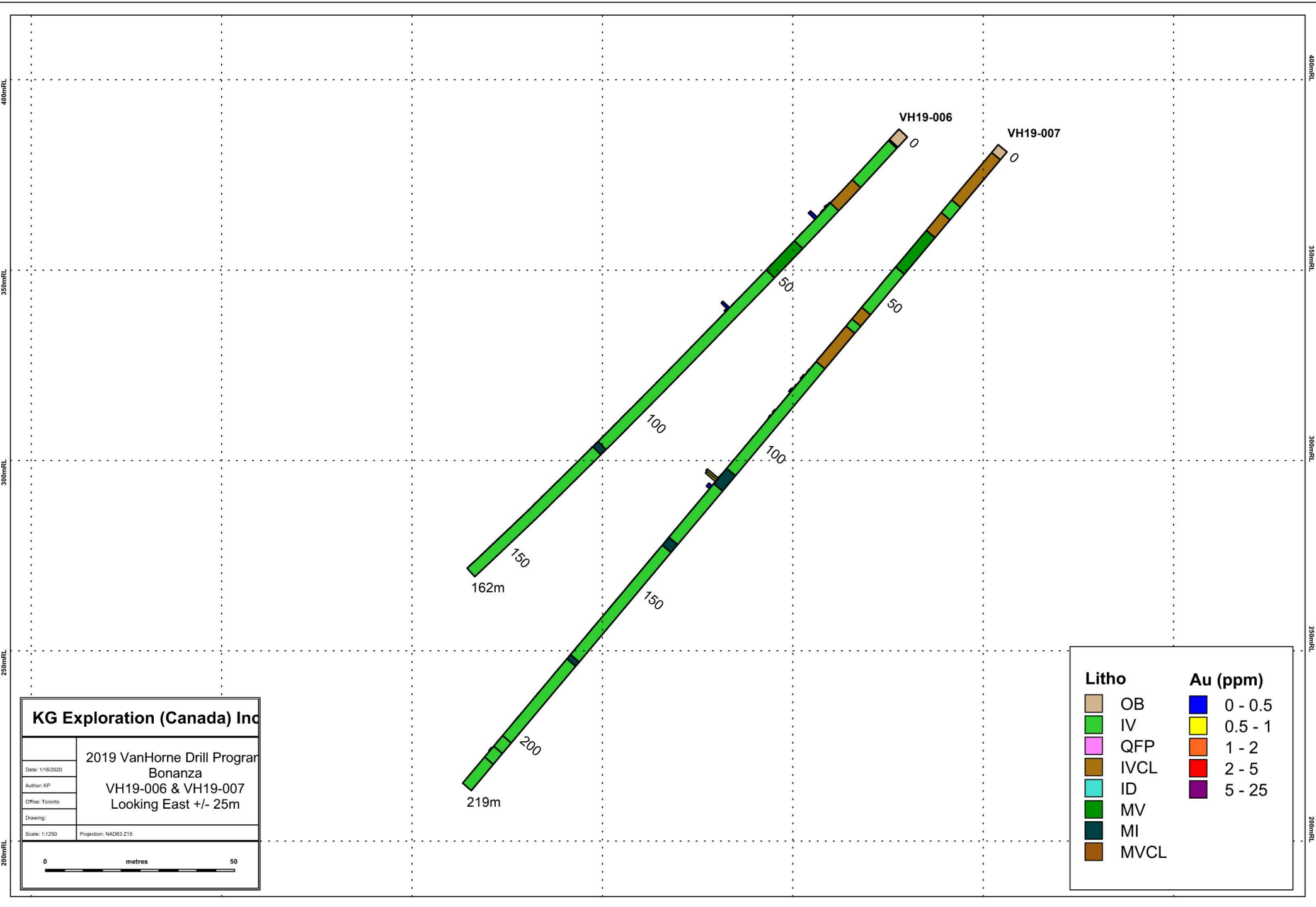
0 metres 50

Litho

- OB
- IV
- QFP
- IVCL
- ID
- MV
- MI
- MVCL

Au (ppm)

- 0 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 5
- 5 - 25



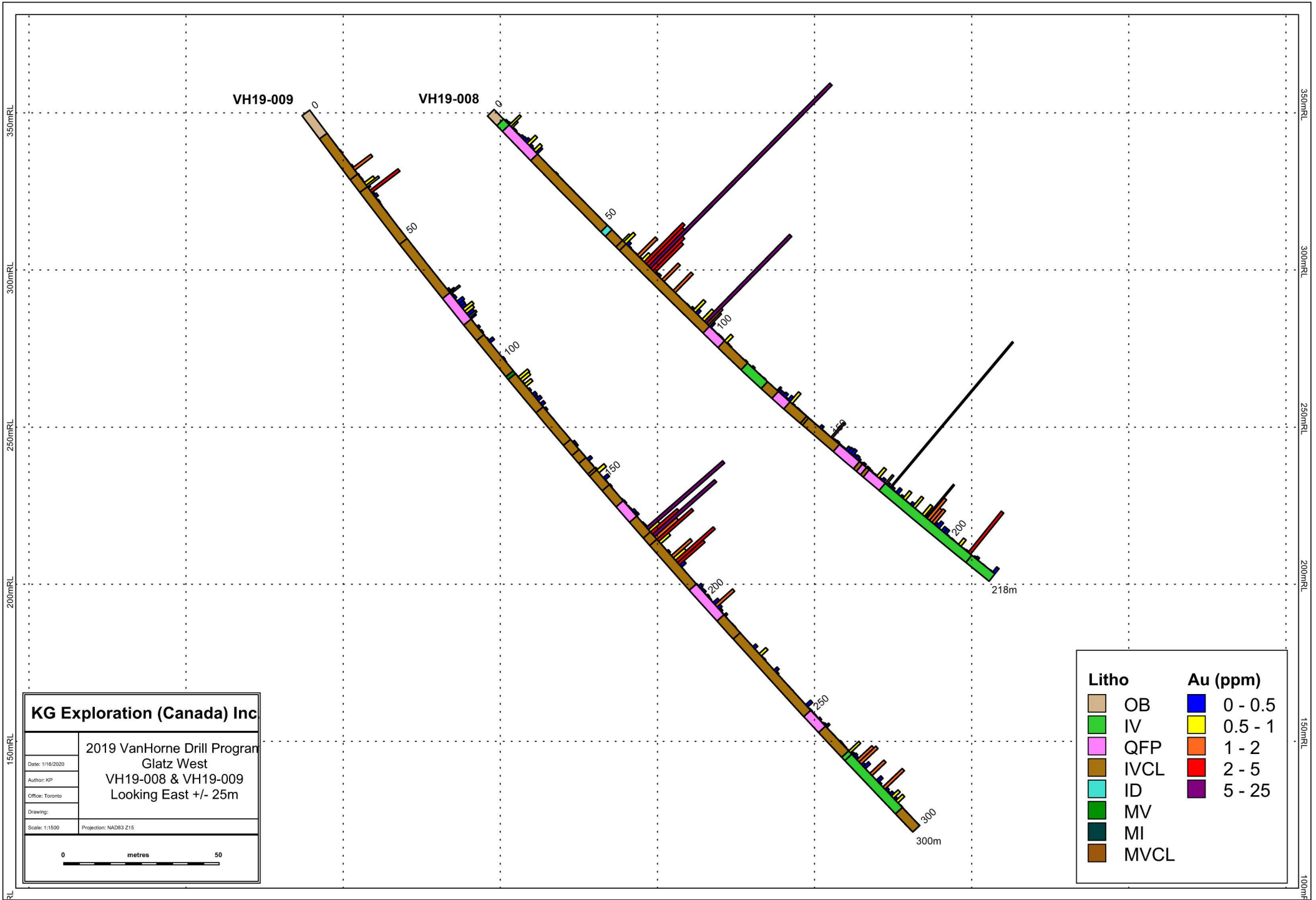
KG Exploration (Canada) Inc

2019 VanHorne Drill Program
 Bonanza
 VH19-006 & VH19-007
 Looking East +/- 25m

Date: 1/16/2020
 Author: KP
 Office: Toronto
 Drawing:
 Scale: 1:1250 Projection: NAD83 Z15

0 metres 50

Litho		Au (ppm)	
	OB		0 - 0.5
	IV		0.5 - 1
	QFP		1 - 2
	IVCL		2 - 5
	ID		5 - 25
	MV		
	MI		
	MVCL		



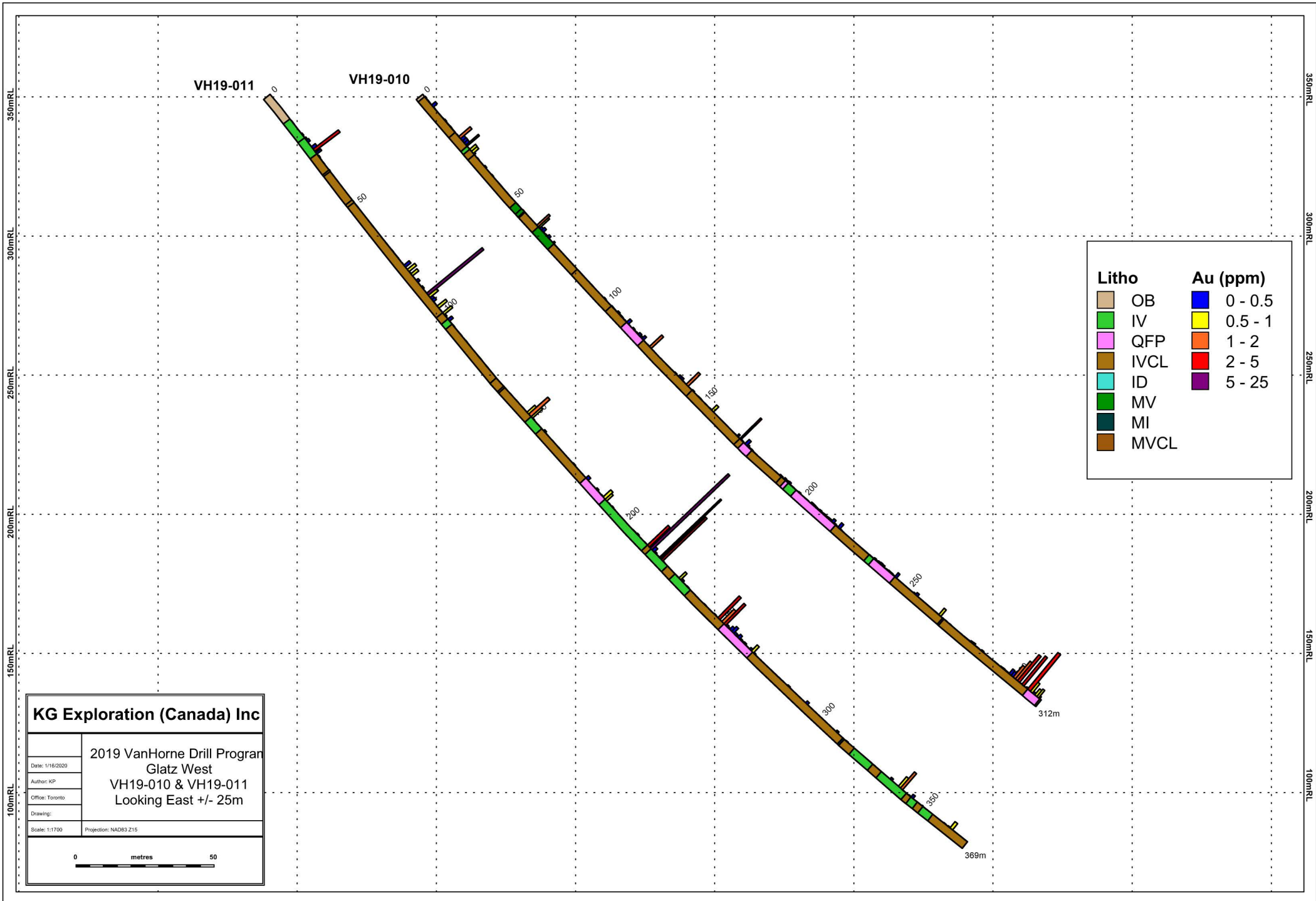
KG Exploration (Canada) Inc

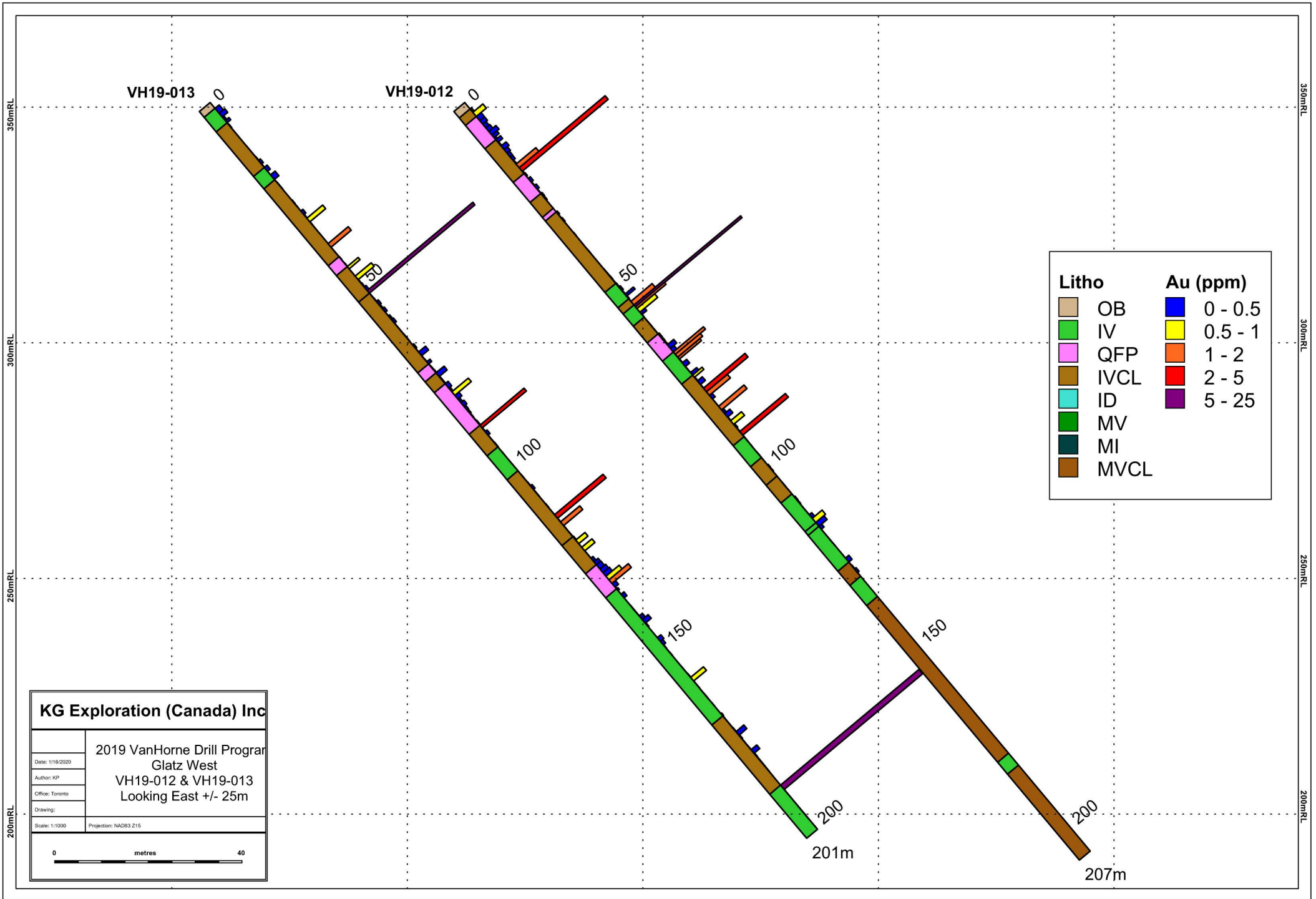
2019 VanHorne Drill Program
 Glatz West
 VH19-008 & VH19-009
 Looking East +/- 25m

Date: 1/16/2020
 Author: KP
 Office: Toronto
 Drawing:
 Scale: 1:1500 Projection: NAD83 215

0 metres 50

Litho		Au (ppm)	
	OB		0 - 0.5
	IV		0.5 - 1
	QFP		1 - 2
	IVCL		2 - 5
	ID		5 - 25
	MV		
	MI		
	MVCL		



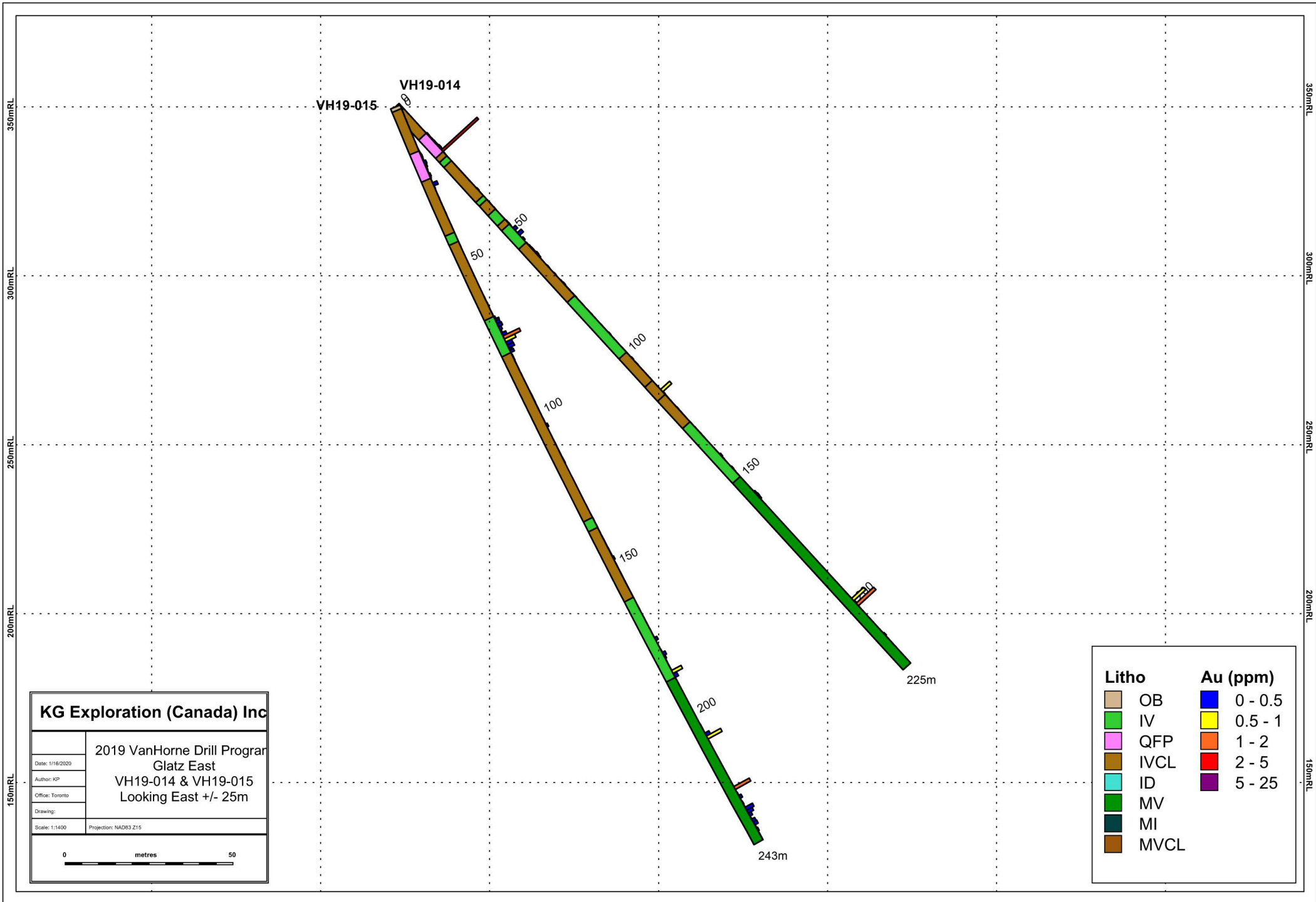


KG Exploration (Canada) Inc

2019 VanHorne Drill Program
 Glatz West
 VH19-012 & VH19-013
 Looking East +/- 25m

Date: 1/16/2020
 Author: KP
 Office: Toronto
 Drawing:
 Scale: 1:1000 Projection: NAD83 Z15

0 metres 40

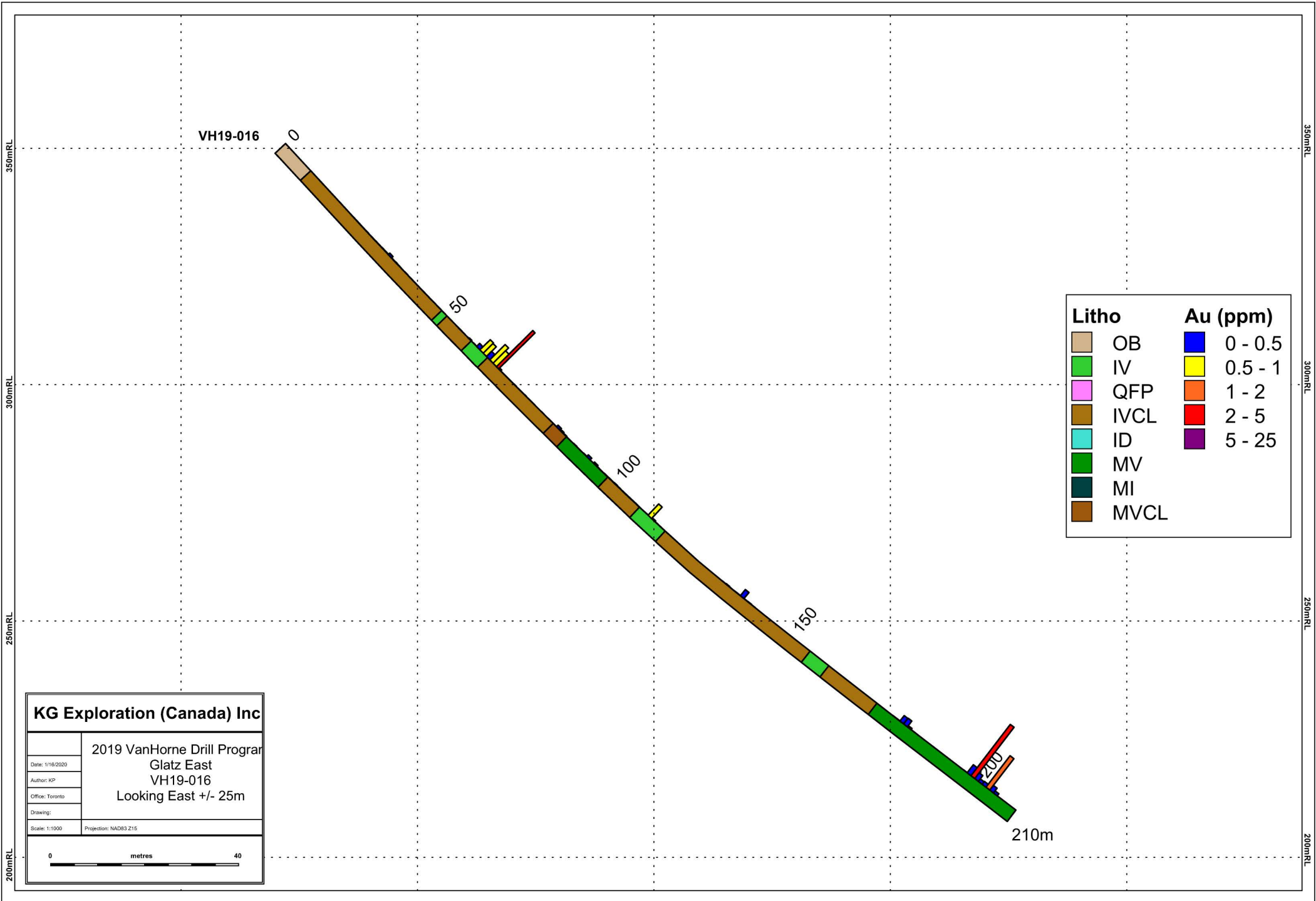


KG Exploration (Canada) Inc

2019 VanHorne Drill Program
Glatz East
VH19-014 & VH19-015
Looking East +/- 25m

Date: 1/16/2020
Author: KP
Office: Toronto
Drawing:
Scale: 1:1400 Projection: NAD83 Z15

0 metres 50



KG Exploration (Canada) Inc

2019 VanHorne Drill Program
Glatz East
VH19-016
Looking East +/- 25m

Date: 1/16/2020
Author: KP
Office: Toronto
Drawing:
Scale: 1:1000 Projection: NAD83 215

0 metres 40

Appendix L: Drill Core Certificates of Analysis



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 18-SEP-2019
Account: KECIBQJN

CERTIFICATE TB19211945

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 26-AUG-2019.

The following have access to data associated with this certificate:

GRAHAM LONG

KELSEY PRIVETT

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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:

Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 18-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19211945

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0051501		0.07	<0.5	<5	22	27	<0.005		
A0051502		2.17	<0.5	<5	18	32	<0.005		
A0051503		2.84	<0.5	<5	9	25	<0.005		
A0051504		1.74	<0.5	<5	12	28	<0.005		
A0051505		2.03	<0.5	<5	9	24	<0.005		
A0051506		1.44	<0.5	<5	22	81	<0.005		
A0051507		1.22	<0.5	<5	65	125	<0.005		
A0051508		1.94	<0.5	<5	33	110	0.996		2.79
A0051509		1.05	0.9	5	48	83	5.63	5.59	
A0051510		1.93	<0.5	<5	20	31	0.137		
A0051511		2.56	<0.5	<5	16	22	<0.005		
A0051512		1.80	<0.5	<5	19	46	<0.005		
A0051513		2.22	<0.5	<5	11	43	<0.005		
A0051514		0.07	1.4	15	40	80	1.100		
A0051515		2.07	<0.5	<5	7	56	<0.005		
A0051516		2.53	<0.5	<5	9	59	<0.005		
A0051517		1.80	<0.5	<5	6	49	<0.005		
A0051518		2.29	<0.5	<5	22	53	<0.005		2.70
A0051519		1.76	<0.5	<5	10	42	<0.005		
A0051520		1.80	<0.5	<5	46	37	<0.005		
A0051521		1.73	<0.5	<5	17	43	<0.005		
A0051522		1.85	<0.5	<5	8	42	<0.005		
A0051523		0.98	<0.5	<5	23	55	0.007		
A0051524		1.08	<0.5	<5	26	31	<0.005		
A0051525		1.80	<0.5	<5	49	83	0.016		
A0051526		2.70	<0.5	<5	12	60	<0.005		
A0051527		0.07	0.6	6100	50	62	6.42	6.78	
A0051528		2.00	<0.5	5	9	44	<0.005		
A0051529		2.14	<0.5	<5	19	88	<0.005		
A0051530		2.09	<0.5	<5	20	38	<0.005		
A0051531		1.76	<0.5	<5	6	21	<0.005		
A0051532		2.14	<0.5	<5	25	69	<0.005		
A0051533		2.19	<0.5	<5	9	30	<0.005		
A0051534		1.40	<0.5	<5	26	32	0.005		
A0051535		2.47	<0.5	<5	8	39	<0.005		
A0051536		2.58	<0.5	<5	25	40	<0.005		
A0051537		2.03	<0.5	5	46	89	0.006		
A0051538		2.53	<0.5	5	41	144	0.386		
A0051539		2.36	<0.5	<5	30	100	0.005		2.79
A0051540		0.07	<0.5	<5	20	25	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 18-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19211945

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0051541		2.57	<0.5	<5	50	84	<0.005		
A0051542		2.44	<0.5	<5	39	86	<0.005		
A0051543		2.55	<0.5	<5	38	84	<0.005		
A0051544		2.50	<0.5	<5	30	89	<0.005		
A0051545		2.37	<0.5	<5	33	85	<0.005		
A0051546		2.39	<0.5	<5	13	94	<0.005		
A0051547		2.57	<0.5	<5	21	89	<0.005		
A0051548		2.47	<0.5	<5	31	107	<0.005		
A0051549		2.37	<0.5	<5	74	99	<0.005		
A0051550		2.37	<0.5	<5	13	101	<0.005		
A0051551		2.24	<0.5	<5	8	88	<0.005		
A0051552		2.34	<0.5	<5	17	114	<0.005		
A0051553		0.07	1.3	17	41	80	1.035		
A0051554		2.26	<0.5	<5	46	92	<0.005		
A0051555		2.06	<0.5	<5	45	91	<0.005		
A0051556		1.63	<0.5	<5	47	87	<0.005		
A0051557		3.28	<0.5	<5	71	82	<0.005		
A0051558		2.25	<0.5	6	33	83	0.012		
A0051559		1.90	<0.5	<5	5	96	<0.005		
A0051560		2.88	<0.5	<5	15	96	<0.005		
A0051561		2.79	<0.5	<5	40	96	<0.005		
A0051562		2.52	<0.5	<5	68	96	<0.005		2.76
A0051563		2.90	<0.5	<5	23	100	<0.005		
A0051564		5.00	<0.5	<5	22	60	<0.005		2.72
A0051565		2.23	<0.5	<5	51	115	<0.005		2.77
A0051566		0.07	<0.5	<5	22	36	<0.005		
A0051567		2.34	<0.5	<5	35	82	<0.005		2.70
A0051568		3.03	<0.5	<5	45	95	<0.005		2.76
A0051569		1.75	<0.5	<5	69	96	<0.005		
A0051570		3.05	<0.5	<5	47	105	<0.005		
A0051571		1.74	<0.5	7	74	98	<0.005		
A0051572		2.31	<0.5	<5	40	99	<0.005		
A0051573		2.52	<0.5	<5	38	95	<0.005		
A0051574		2.55	<0.5	<5	46	96	<0.005		
A0051575		2.51	<0.5	5	44	92	<0.005		
A0051576		2.53	<0.5	<5	50	93	<0.005		
A0051577		2.45	<0.5	<5	66	84	<0.005		
A0051578		0.07	0.8	6220	49	67	6.87	6.19	



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

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 18-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19211945

CERTIFICATE COMMENTS									
	LABORATORY ADDRESSES								
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada <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: 33%;">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						
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 33%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 20-SEP-2019
 Account: KECIBQJN

CERTIFICATE TB19215471

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 29-AUG-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 20-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19215471

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0051579		2.51	<0.5	<5	44	90	<0.005		
A0051580		2.50	<0.5	<5	51	87	<0.005		
A0051581		2.31	<0.5	<5	56	92	<0.005		
A0051582		2.56	<0.5	<5	58	86	<0.005		
A0051583		2.45	<0.5	<5	41	96	<0.005		
A0051584		2.43	<0.5	<5	40	92	<0.005		
A0051585		2.46	<0.5	<5	51	92	<0.005		
A0051586		2.39	<0.5	<5	43	85	<0.005		
A0051587		2.48	<0.5	<5	54	84	<0.005		
A0051588		2.43	<0.5	<5	55	85	<0.005		
A0051589		2.47	<0.5	<5	40	82	<0.005		
A0051590		2.43	<0.5	<5	103	90	<0.005		2.70
A0051591		3.45	<0.5	<5	63	105	<0.005		
A0051592		1.53	<0.5	<5	47	161	<0.005		
A0051593		2.54	<0.5	<5	39	183	<0.005		2.79
A0051594		2.25	<0.5	<5	39	174	<0.005		
A0051595		1.31	<0.5	<5	62	145	<0.005		
A0051596		1.14	<0.5	<5	32	121	<0.005		
A0051597		2.01	<0.5	<5	44	114	<0.005		2.70
A0051598		3.51	<0.5	<5	54	97	0.098		
A0051599		1.46	<0.5	<5	57	123	<0.005		
A0051600		2.52	<0.5	<5	52	135	<0.005		
A0051601		2.50	<0.5	<5	54	131	<0.005		2.79
A0051602		2.92	<0.5	<5	47	124	<0.005		
A0051603		0.96	<0.5	<5	50	139	<0.005		
A0051604		1.58	<0.5	<5	30	108	<0.005		
A0051605		0.07	0.7	5260	49	66	6.34	6.89	
A0051606		1.98	<0.5	7	48	131	<0.005		
A0051607		2.55	<0.5	<5	36	104	<0.005		
A0051608		2.58	<0.5	<5	48	134	<0.005		
A0051609		4.02	<0.5	<5	55	135	<0.005		
A0051610		3.06	<0.5	<5	34	90	<0.005		
A0051611		2.56	<0.5	<5	59	99	<0.005		2.77
A0051612		2.32	<0.5	<5	87	103	<0.005		
A0051613		2.31	<0.5	<5	91	103	<0.005		
A0051614		2.70	<0.5	<5	73	99	<0.005		
A0051615		1.59	<0.5	<5	43	73	<0.005		
A0051616		3.05	<0.5	<5	86	108	<0.005		
A0051617		1.54	<0.5	<5	65	127	<0.005		
A0051618		0.07	<0.5	<5	21	36	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 20-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19215471

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0051619		2.60	<0.5	<5	9	34	1.305		
A0051620		2.19	<0.5	<5	3	57	0.017		
A0051621		2.52	<0.5	<5	15	63	<0.005		
A0051622		1.80	<0.5	<5	3	51	<0.005		
A0051623		2.76	<0.5	<5	14	35	<0.005		
A0051624		2.68	<0.5	<5	48	180	<0.005		
A0051625		4.00	<0.5	<5	6	17	<0.005		
A0051626		1.65	<0.5	<5	8	13	<0.005		
A0051627		1.94	<0.5	<5	13	19	<0.005		2.72
A0051628		2.66	<0.5	<5	35	108	0.441		2.82
A0051629		2.58	<0.5	<5	42	85	0.005		
A0051630		2.20	<0.5	<5	16	93	<0.005		
A0051631		0.07	1.2	18	42	89	1.020		
A0051632		1.34	<0.5	<5	36	66	0.006		
A0051633		1.52	<0.5	<5	23	74	<0.005		
A0051634		1.12	<0.5	<5	35	81	<0.005		
A0051635		2.32	<0.5	<5	43	75	0.005		
A0051636		2.54	<0.5	<5	33	99	<0.005		
A0051637		3.15	<0.5	<5	48	99	<0.005		
A0051638		1.95	<0.5	<5	38	68	<0.005		
A0051639		2.67	<0.5	<5	22	79	<0.005		2.81
A0051640		2.04	<0.5	<5	32	92	<0.005		
A0051641		1.69	<0.5	<5	32	79	<0.005		
A0051642		2.43	<0.5	<5	19	100	<0.005		
A0051643		2.41	<0.5	<5	19	96	<0.005		
A0051644		0.07	<0.5	6	20	34	<0.005		
A0051645		1.84	<0.5	<5	28	111	<0.005		
A0051646		2.02	<0.5	<5	39	122	<0.005		
A0051647		2.13	<0.5	<5	39	109	<0.005		2.74
A0051648		2.13	<0.5	<5	40	103	<0.005		
A0051649		2.00	<0.5	<5	16	72	<0.005		
A0051650		2.03	<0.5	<5	11	85	<0.005		
A0051651		2.11	<0.5	<5	37	95	<0.005		
A0051051		1.38	<0.5	<5	17	56	<0.005		
A0051052		1.03	<0.5	<5	6	79	<0.005		
A0051053		1.15	<0.5	<5	28	79	<0.005		
A0051054		0.07	0.6	5750	49	68	6.54	7.26	
A0051055		1.03	<0.5	8	37	92	0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-SEP-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19215471

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-SEP-2019
 Account: KECIBQJN

CERTIFICATE TB19222943

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19222943

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0051730		2.41	<0.5	<5	35	51	<0.005		
A0051731		2.37	<0.5	<5	20	114	<0.005		
A0051732		2.54	<0.5	5	10	47	<0.005		
A0051733		2.48	<0.5	<5	17	66	<0.005		
A0051734		2.57	<0.5	<5	8	105	<0.005		
A0051735		0.07	0.7	6180	48	66	6.75	6.25	
A0051736		2.79	<0.5	5	12	95	<0.005		
A0051737		2.75	<0.5	<5	17	96	<0.005		
A0051738		2.57	<0.5	5	9	87	<0.005		2.84
A0051739		2.55	<0.5	<5	14	86	<0.005		
A0051740		2.77	<0.5	5	20	101	<0.005		
A0051741		1.91	<0.5	5	16	133	0.341		
A0051742		1.69	<0.5	<5	14	85	0.334		
A0051743		1.23	<0.5	<5	23	123	0.015		
A0051744		2.29	<0.5	5	16	86	0.107		
A0051745		2.37	<0.5	<5	10	98	<0.005		
A0051746		2.54	<0.5	<5	13	93	<0.005		
A0051747		2.40	<0.5	<5	14	94	<0.005		
A0051748		0.07	<0.5	<5	20	35	<0.005		
A0051749		2.40	<0.5	<5	13	90	0.007		
A0051750		2.34	<0.5	<5	13	94	0.020		2.71
A0051751		2.56	<0.5	<5	18	92	<0.005		
A0051752		2.40	<0.5	<5	23	84	<0.005		
A0051753		2.46	<0.5	5	10	78	<0.005		
A0051754		2.56	<0.5	<5	15	57	<0.005		
A0051755		3.34	<0.5	<5	20	51	<0.005		
A0051756		1.91	<0.5	<5	52	89	<0.005		2.93
A0051757		2.64	<0.5	<5	51	104	<0.005		
A0051758		2.50	<0.5	<5	42	106	<0.005		
A0051759		2.62	<0.5	5	50	102	<0.005		
A0051760		2.23	<0.5	7	41	104	<0.005		
A0051761		0.07	0.6	6080	50	69	6.21	NSS	
A0051762		2.74	<0.5	10	53	102	<0.005		
A0051763		2.66	<0.5	<5	51	101	<0.005		
A0051764		2.80	<0.5	7	36	169	<0.005		
A0051765		2.71	<0.5	8	35	167	<0.005		
A0051766		3.16	<0.5	6	39	167	<0.005		
A0051767		2.53	<0.5	<5	36	132	<0.005		3.19
A0051768		2.94	<0.5	5	38	180	<0.005		
A0051769		1.14	<0.5	6	76	135	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19222943

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0051770		1.57	<0.5	<5	41	165	<0.005		
A0051771		2.87	<0.5	<5	44	142	<0.005		3.08
A0051772		2.94	<0.5	6	43	135	<0.005		
A0051773		2.52	<0.5	<5	41	135	<0.005		
A0051774		0.07	<0.5	5	20	35	<0.005		
A0051775		2.50	<0.5	<5	50	141	<0.005		
A0051776		2.31	<0.5	6	54	151	<0.005		
A0051777		2.55	<0.5	<5	50	141	<0.005		
A0051778		2.79	<0.5	5	42	173	<0.005		
A0051779		2.77	<0.5	5	29	148	<0.005		
A0051780		2.76	<0.5	<5	44	160	<0.005		
A0051781		2.60	<0.5	<5	40	167	0.152		
A0051782		2.16	<0.5	5	17	107	0.017		
A0051783		1.64	<0.5	5	10	40	0.016		
A0051784		1.47	<0.5	<5	10	53	0.046		
A0051785		2.72	<0.5	<5	41	84	<0.005		
A0051786		2.75	<0.5	<5	34	83	<0.005		
A0051787		0.07	1.6	15	42	88	1.080		
A0051788		2.64	<0.5	<5	40	91	<0.005		
A0051789		2.86	<0.5	<5	28	83	<0.005		
A0051790		2.91	<0.5	<5	26	85	<0.005		
A0051791		2.59	<0.5	<5	35	87	<0.005		
A0051792		3.13	<0.5	<5	31	83	<0.005		
A0051793		0.98	<0.5	<5	36	85	<0.005		
A0051794		1.43	<0.5	<5	52	97	<0.005		
A0051795		2.56	<0.5	<5	8	64	<0.005		
A0051796		2.61	<0.5	<5	47	94	<0.005		
A0051797		2.51	<0.5	<5	73	96	<0.005		
A0051798		3.02	<0.5	<5	41	99	<0.005		
A0051799		2.50	<0.5	<5	6	108	<0.005		2.86
A0051800		0.07	<0.5	<5	21	35	<0.005		
A0051801		2.72	<0.5	<5	21	82	<0.005		
A0051802		1.77	<0.5	<5	49	83	<0.005		
A0051803		1.70	<0.5	<5	128	83	<0.005		
A0051804		1.54	<0.5	<5	30	88	<0.005		
A0051805		2.37	<0.5	<5	80	109	0.034		
A0051806		2.72	<0.5	<5	67	142	0.044		
A0051807		2.75	<0.5	<5	36	114	<0.005		2.78



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-SEP-2019
 Account: KECIBQJN

CERTIFICATE TB19222944

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19222944

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0051652		2.01	<0.5	<5	39	117	<0.005	
A0051653		1.86	<0.5	<5	59	110	<0.005	
A0051654		2.04	<0.5	<5	60	118	<0.005	
A0051655		2.09	<0.5	<5	40	122	<0.005	
A0051656		1.86	0.7	<5	271	85	<0.005	
A0051657		0.07	<0.5	<5	20	34	<0.005	
A0051658		2.66	<0.5	<5	80	77	<0.005	
A0051659		2.08	<0.5	<5	57	107	<0.005	
A0051660		2.11	<0.5	<5	12	85	<0.005	
A0051661		2.19	<0.5	<5	10	101	<0.005	
A0051662		2.06	<0.5	<5	24	97	<0.005	
A0051663		2.20	<0.5	<5	13	103	<0.005	
A0051664		2.01	<0.5	<5	59	122	<0.005	
A0051665		2.59	<0.5	<5	14	119	<0.005	
A0051666		2.23	<0.5	<5	13	105	<0.005	
A0051667		2.21	<0.5	<5	25	92	<0.005	
A0051668		2.20	<0.5	<5	12	94	<0.005	
A0051669		2.02	<0.5	<5	19	98	<0.005	
A0051670		0.07	1.5	19	40	89	1.085	
A0051671		0.82	0.5	<5	15	45	<0.005	
A0051672		1.84	<0.5	<5	7	37	<0.005	
A0051673		2.16	<0.5	<5	16	32	<0.005	
A0051674		2.10	<0.5	<5	21	42	<0.005	
A0051675		1.83	<0.5	<5	91	127	<0.005	
A0051676		2.17	<0.5	<5	33	113	<0.005	
A0051677		1.70	0.6	7	81	83	>10.0	11.30
A0051678		2.40	<0.5	<5	8	37	0.558	
A0051679		2.20	<0.5	<5	11	40	0.163	
A0051680		2.13	<0.5	<5	15	50	<0.005	
A0051681		1.94	<0.5	<5	12	48	<0.005	
A0051682		0.94	<0.5	<5	9	50	<0.005	
A0051683		0.07	1.9	6120	51	68	6.65	7.69
A0051684		2.12	<0.5	10	17	55	<0.005	
A0051685		2.55	<0.5	<5	15	63	<0.005	
A0051686		2.40	<0.5	<5	17	69	<0.005	
A0051687		2.15	<0.5	<5	12	63	<0.005	
A0051688		2.85	<0.5	<5	3	42	<0.005	
A0051689		1.88	<0.5	<5	1	35	<0.005	
A0051690		2.50	<0.5	<5	7	54	<0.005	
A0051691		2.17	<0.5	<5	7	44	<0.005	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-SEP-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19222944

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm
		0.02	0.5	5	1	2	0.005	0.05
A0051692		2.23	<0.5	<5	5	44	<0.005	
A0051693		2.45	0.7	<5	12	61	0.254	
A0051694		2.56	<0.5	<5	40	101	0.010	
A0051695		2.39	<0.5	<5	27	74	<0.005	
A0051696		0.07	<0.5	<5	20	35	<0.005	
A0051697		2.61	<0.5	<5	18	92	<0.005	
A0051698		2.52	<0.5	<5	7	56	<0.005	
A0051699		2.75	<0.5	<5	6	65	<0.005	
A0051700		2.62	<0.5	<5	5	64	<0.005	
A0051701		2.69	<0.5	<5	3	77	<0.005	
A0051702		2.74	<0.5	<5	27	52	<0.005	
A0051703		2.52	<0.5	<5	11	43	<0.005	
A0051704		2.77	<0.5	<5	8	45	<0.005	
A0051705		2.64	<0.5	<5	10	48	<0.005	
A0051706		2.09	<0.5	<5	14	36	<0.005	
A0051707		2.06	<0.5	<5	14	40	<0.005	
A0051708		2.14	<0.5	<5	9	45	<0.005	
A0051709		0.07	1.3	20	40	88	1.025	
A0051710		2.48	<0.5	<5	12	64	0.175	
A0051711		2.52	<0.5	<5	11	85	0.466	
A0051712		2.48	<0.5	<5	9	55	0.005	
A0051713		2.36	<0.5	<5	28	69	<0.005	
A0051714		2.67	<0.5	<5	62	67	<0.005	
A0051715		2.32	<0.5	<5	33	87	<0.005	
A0051716		2.57	<0.5	<5	66	81	0.007	
A0051717		2.51	<0.5	<5	49	62	0.007	
A0051718		2.17	<0.5	<5	16	45	<0.005	
A0051719		2.69	<0.5	5	35	112	<0.005	
A0051720		2.55	<0.5	<5	14	104	<0.005	
A0051721		1.96	<0.5	<5	61	99	<0.005	
A0051722		0.07	<0.5	<5	20	36	<0.005	
A0051723		3.20	<0.5	<5	44	89	<0.005	
A0051724		1.85	<0.5	<5	30	84	<0.005	
A0051725		1.95	<0.5	<5	16	97	<0.005	
A0051726		2.65	<0.5	<5	16	101	<0.005	
A0051727		1.72	<0.5	<5	33	101	<0.005	
A0051728		2.20	<0.5	<5	57	117	<0.005	
A0051729		2.20	<0.5	5	28	37	<0.005	



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 26-SEP-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19222944

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19233617

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 18-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233617

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0051836		2.76	<0.5	<5	8	94	<0.005		
A0051837		2.50	<0.5	<5	6	63	<0.005		
A0051838		2.17	<0.5	<5	5	56	<0.005		
A0051839		0.07	2.7	18	41	90	1.065		
A0051840		1.34	0.9	5	28	780	2.80		
A0051841		1.73	<0.5	<5	6	64	0.078		
A0051842		2.57	<0.5	<5	7	93	<0.005		
A0051843		2.61	<0.5	<5	12	70	<0.005		
A0051844		2.39	<0.5	<5	15	85	<0.005		
A0051845		2.45	<0.5	<5	14	80	<0.005		2.80
A0051846		2.18	<0.5	<5	12	85	<0.005		
A0051847		2.37	<0.5	<5	13	85	<0.005		
A0051848		2.23	<0.5	<5	13	88	<0.005		
A0051849		2.16	<0.5	<5	25	74	<0.005		
A0051850		2.09	<0.5	<5	17	64	<0.005		
A0051851		1.10	<0.5	<5	27	105	<0.005		
A0051852		0.07	<0.5	6	23	37	0.006		
A0051853		1.96	<0.5	<5	34	110	0.005		
A0051854		1.82	<0.5	<5	14	40	0.360		
A0051855		2.63	<0.5	<5	29	88	0.454		
A0051856		2.64	<0.5	<5	15	73	0.047		
A0051857		2.46	<0.5	<5	16	87	0.022		
A0051858		2.36	<0.5	<5	14	83	<0.005		
A0051859		2.60	<0.5	<5	12	79	<0.005		2.81
A0051860		2.51	<0.5	<5	11	89	<0.005		
A0051861		2.51	<0.5	<5	13	84	<0.005		
A0051862		2.43	<0.5	<5	14	97	<0.005		
A0051863		2.32	<0.5	<5	13	92	<0.005		
A0051864		2.31	<0.5	<5	14	82	<0.005		
A0051865		0.07	1.0	5610	56	67	6.38	6.18	
A0051866		2.39	<0.5	10	14	89	<0.005		
A0051867		2.49	<0.5	<5	19	86	<0.005		
A0051868		2.46	<0.5	<5	14	84	<0.005		
A0051869		2.40	<0.5	<5	13	90	<0.005		
A0051870		2.51	<0.5	<5	3	88	<0.005		
A0051871		2.47	<0.5	<5	7	79	<0.005		
A0051872		2.17	<0.5	<5	11	84	<0.005		
A0051873		2.71	<0.5	<5	9	83	<0.005		
A0051874		3.60	<0.5	<5	16	84	<0.005		
A0051875		1.26	<0.5	<5	33	57	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233617

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
	0.02	0.5	5	1	2	0.005	0.05	0.01
A0051876	1.90	<0.5	<5	25	97	<0.005		
A0051877	1.19	<0.5	<5	8	67	<0.005		
A0051878	0.07	<0.5	5	21	35	<0.005		
A0051879	1.52	<0.5	<5	15	89	<0.005		
A0051880	2.64	<0.5	<5	7	85	<0.005		
A0051881	2.54	<0.5	<5	13	64	<0.005		
A0051882	2.42	<0.5	<5	9	70	<0.005		
A0051883	2.48	<0.5	<5	25	91	<0.005		
A0051884	2.31	<0.5	<5	17	125	<0.005		
A0051885	2.62	<0.5	<5	15	74	<0.005		
A0051886	2.38	<0.5	<5	10	77	<0.005		
A0051887	2.44	<0.5	<5	14	66	<0.005		
A0051888	2.12	<0.5	<5	20	74	<0.005		
A0051889	2.11	<0.5	<5	21	85	<0.005		
A0051890	1.24	<0.5	<5	13	103	<0.005		
A0051891	0.07	1.5	17	44	89	1.125		
A0051892	4.16	<0.5	5	10	90	<0.005		
A0051893	2.71	<0.5	<5	22	103	<0.005		
A0051894	2.52	<0.5	<5	17	80	<0.005		
A0051895	2.61	<0.5	5	30	105	<0.005		
A0051896	2.78	<0.5	<5	33	109	<0.005		
A0051897	2.39	<0.5	<5	28	119	<0.005		
A0051898	2.78	<0.5	<5	45	167	<0.005		
A0051899	2.46	<0.5	5	47	180	<0.005		
A0051900	2.27	<0.5	<5	43	130	<0.005		
A0051901	2.06	<0.5	<5	49	119	<0.005		2.87
A0051902	1.70	<0.5	<5	33	126	<0.005		
A0051903	2.23	<0.5	<5	35	121	<0.005		
A0051904	0.07	<0.5	5	21	38	<0.005		
A0051905	1.18	0.9	7	72	264	2.77		
A0051906	1.58	<0.5	6	127	209	0.794		
A0051907	1.77	<0.5	<5	41	93	0.040		
A0051908	1.70	<0.5	<5	37	97	0.010		
A0051909	2.61	<0.5	<5	42	96	<0.005		
A0051910	2.46	<0.5	5	41	102	0.005		
A0051911	2.60	<0.5	5	43	106	<0.005		
A0051912	2.59	<0.5	<5	41	105	<0.005		
A0051913	2.42	<0.5	<5	47	96	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 9-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233617

	CERTIFICATE COMMENTS
--	-----------------------------

	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 15%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19233618

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 18-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233618

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0051914		3.07	<0.5	<5	47	106	<0.005		
A0051915		2.49	<0.5	5	39	101	<0.005		
A0051916		1.88	<0.5	5	40	100	<0.005		
A0051917		0.07	1.3	6500	52	71	5.41	NSS	
A0051918		2.38	<0.5	9	28	99	<0.005		
A0051919		2.25	<0.5	5	35	110	<0.005		
A0051920		2.47	<0.5	<5	61	119	<0.005		
A0051921		2.70	<0.5	5	57	113	<0.005		
A0051922		2.66	<0.5	5	57	132	<0.005		
A0051923		2.64	<0.5	<5	51	129	<0.005		
A0051924		2.53	<0.5	<5	41	129	<0.005		
A0051925		2.18	<0.5	6	34	126	<0.005		2.84
A0051926		2.48	<0.5	<5	48	118	<0.005		
A0051927		2.37	0.6	8	52	116	<0.005		
A0051928		2.59	<0.5	<5	57	125	<0.005		2.88
A0051929		1.82	<0.5	<5	32	156	<0.005		
A0051930		0.07	<0.5	<5	20	35	<0.005		
A0051931		1.55	<0.5	<5	7	113	<0.005		
A0051932		1.54	<0.5	<5	7	127	<0.005		
A0051933		2.39	<0.5	<5	84	107	<0.005		
A0051934		2.31	<0.5	<5	160	190	0.012		
A0051935		2.31	<0.5	<5	38	47	0.010		
A0051936		2.50	<0.5	<5	33	27	0.012		
A0051937		1.50	<0.5	<5	43	36	0.067		
A0051938		1.58	0.7	12	128	33	0.701		
A0051939		1.74	<0.5	<5	42	86	0.008		
A0051940		2.62	<0.5	<5	49	75	0.005		
A0051941		2.59	<0.5	5	65	82	0.007		
A0051942		1.58	<0.5	<5	55	70	0.006		
A0051943		0.07	1.6	16	39	86	0.974		
A0051944		1.77	<0.5	<5	48	75	0.006		
A0051945		2.71	<0.5	<5	10	43	<0.005		2.79
A0051946		1.55	<0.5	<5	38	82	<0.005		
A0051947		2.45	<0.5	<5	15	84	<0.005		
A0051948		2.00	<0.5	<5	36	92	<0.005		
A0051949		1.61	<0.5	5	66	86	<0.005		
A0051950		1.35	<0.5	<5	81	129	<0.005		
A0051951		1.39	<0.5	<5	87	121	<0.005		
A0051952		2.35	<0.5	<5	90	105	0.009		
A0051953		2.37	<0.5	<5	71	94	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233618

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0051954		2.17	<0.5	<5	91	103	<0.005		2.87
A0051955		2.49	<0.5	5	105	135	<0.005		
A0051956		0.09	<0.5	<5	22	37	<0.005		
A0051957		2.60	<0.5	<5	45	154	<0.005		
A0051958		3.01	<0.5	5	36	123	<0.005		
A0051959		1.91	<0.5	<5	41	124	<0.005		
A0051960		2.54	<0.5	<5	32	95	<0.005		
A0051961		2.40	<0.5	5	18	100	<0.005		
A0051962		2.61	<0.5	6	21	105	<0.005		
A0051963		2.42	0.5	<5	28	105	<0.005		
A0051964		2.45	<0.5	<5	30	113	<0.005		
A0051965		2.52	<0.5	<5	27	131	<0.005		
A0051966		2.50	<0.5	<5	367	160	<0.005		
A0051967		2.41	<0.5	<5	34	139	<0.005		
A0051968		2.85	<0.5	<5	26	144	<0.005		2.84
A0051969		0.07	2.2	6380	51	70	6.41	6.84	
A0051970		2.27	<0.5	11	40	149	0.006		
A0051971		2.22	0.7	<5	83	110	0.014		
A0051972		2.60	<0.5	<5	32	146	<0.005		
A0051973		2.42	<0.5	<5	24	129	0.005		
A0051974		2.84	<0.5	5	20	133	<0.005		
A0051975		2.10	<0.5	<5	27	145	<0.005		
A0051976		2.58	<0.5	<5	28	136	<0.005		
A0051977		2.49	<0.5	<5	25	139	<0.005		
A0051978		2.52	<0.5	<5	21	133	<0.005		
A0051979		2.53	<0.5	<5	27	126	<0.005		
A0051980		2.62	<0.5	<5	24	134	<0.005		
A0051981		2.62	<0.5	<5	21	136	<0.005		
A0051982		0.07	<0.5	<5	22	38	<0.005		
A0051983		2.45	<0.5	<5	29	142	<0.005		
A0051984		2.35	<0.5	<5	17	144	<0.005		
A0051985		2.35	<0.5	<5	22	138	<0.005		
A0051986		2.57	<0.5	<5	25	142	<0.005		
A0051987		2.53	<0.5	5	25	125	<0.005		
A0051988		2.21	<0.5	<5	26	147	<0.005		
A0051989		2.53	<0.5	<5	40	141	<0.005		
A0051990		2.36	<0.5	<5	17	124	<0.005		
A0051991		2.69	<0.5	<5	48	137	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19233618

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> <td>OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19234605

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 19-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19234605

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0051992		2.41	<0.5	<5	42	134	<0.005		
A0051993		2.46	<0.5	<5	39	106	<0.005		
A0051994		2.46	<0.5	<5	46	109	<0.005		2.83
A0051995		0.07	1.3	19	43	95	1.090		
A0051996		2.38	<0.5	<5	53	123	<0.005		
A0051997		2.64	<0.5	<5	34	113	<0.005		
A0051998		2.45	<0.5	<5	15	111	<0.005		
A0051999		2.51	<0.5	<5	21	127	<0.005		
A0052000		2.99	<0.5	<5	33	222	0.007		
A0052001		0.82	<0.5	<5	105	123	0.139		
A0052002		1.12	<0.5	<5	55	70	0.117		
A0052003		2.34	<0.5	<5	4	113	<0.005		
A0052004		2.43	<0.5	<5	4	71	0.008		
A0052005		2.54	<0.5	<5	7	92	<0.005		
A0052006		2.08	<0.5	<5	10	88	<0.005		
A0052007		1.94	<0.5	<5	8	79	<0.005		
A0052008		0.07	<0.5	<5	21	36	0.005		
A0052009		1.04	<0.5	<5	5	52	<0.005		
A0052010		2.22	<0.5	<5	5	89	<0.005		
A0052011		2.30	<0.5	<5	16	77	<0.005		2.76
A0052012		2.63	<0.5	<5	22	78	<0.005		
A0052013		2.24	<0.5	<5	20	96	<0.005		
A0052014		2.01	<0.5	<5	12	81	<0.005		
A0052015		2.82	<0.5	<5	11	67	<0.005		
A0052016		1.92	<0.5	<5	47	123	<0.005		
A0052017		2.46	<0.5	<5	40	116	<0.005		2.86
A0052018		3.60	<0.5	<5	37	120	<0.005		
A0052019		1.30	<0.5	<5	14	83	<0.005		
A0052020		2.35	<0.5	<5	21	75	<0.005		2.77
A0052021		0.07	1.2	6730	50	71	5.87	NSS	
A0052022		1.38	<0.5	<5	9	65	<0.005		
A0052023		1.25	<0.5	<5	9	66	<0.005		
A0052024		1.69	<0.5	<5	13	65	0.268		
A0052025		1.55	<0.5	<5	17	77	0.669		
A0052026		1.36	<0.5	26	21	63	0.906		
A0052027		2.55	<0.5	<5	42	182	0.053		
A0052028		1.25	<0.5	<5	34	211	<0.005		
A0052029		1.09	<0.5	<5	7	169	<0.005		
A0052030		1.54	<0.5	<5	9	147	<0.005		
A0052031		1.53	<0.5	<5	5	74	0.476		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19234605

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052032		1.27	<0.5	<5	6	50	0.057		
A0052033		2.28	<0.5	<5	14	86	<0.005		
A0052034		0.07	<0.5	<5	21	37	<0.005		
A0052035		2.51	1.6	<5	11	84	<0.005		
A0052036		2.18	<0.5	<5	6	95	<0.005		
A0052037		2.29	<0.5	<5	6	91	<0.005		
A0052038		2.48	<0.5	<5	93	114	<0.005		
A0052039		2.62	<0.5	<5	44	100	<0.005		2.92
A0052040		2.86	<0.5	<5	7	86	<0.005		
A0052041		1.96	<0.5	<5	22	109	<0.005		
A0052042		2.46	<0.5	<5	44	101	<0.005		
A0052043		2.45	<0.5	<5	34	96	<0.005		
A0052044		2.44	<0.5	<5	43	100	<0.005		
A0052045		2.62	<0.5	<5	46	102	<0.005		
A0052046		2.52	<0.5	<5	38	101	<0.005		
A0052047		0.07	1.8	17	42	95	1.085		
A0052048		2.05	<0.5	<5	70	174	<0.005		
A0052049		3.58	<0.5	<5	48	120	<0.005		
A0052050		2.27	<0.5	<5	32	103	<0.005		
A0052051		2.37	<0.5	<5	26	79	<0.005		
A0052052		2.40	<0.5	<5	16	47	<0.005		
A0052053		2.39	<0.5	<5	16	75	<0.005		
A0052054		2.17	<0.5	<5	15	95	<0.005		
A0052055		2.07	<0.5	<5	16	93	<0.005		2.76
A0052056		2.25	<0.5	<5	22	89	<0.005		
A0052057		2.32	<0.5	<5	12	88	<0.005		
A0052058		2.23	<0.5	<5	13	87	<0.005		
A0052059		2.39	<0.5	<5	12	97	<0.005		
A0052060		0.07	<0.5	<5	22	37	0.005		
A0052061		2.29	<0.5	<5	18	90	0.057		
A0052062		2.34	<0.5	<5	16	93	<0.005		
A0052063		2.12	<0.5	<5	14	91	<0.005		
A0052064		2.41	0.5	<5	17	76	0.096		
A0052065		2.07	<0.5	<5	10	66	<0.005		
A0052066		2.62	<0.5	<5	19	51	0.012		
A0052067		2.53	<0.5	<5	33	57	0.007		
A0052068		2.36	<0.5	<5	4	34	<0.005		
A0052069		1.63	<0.5	<5	12	45	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 8-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19234605

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> <td>OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19234606

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 19-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19234606

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052070		2.32	<0.5	<5	7	76	<0.005		
A0052071		2.21	<0.5	<5	14	39	<0.005		
A0052072		2.53	<0.5	<5	4	46	<0.005		
A0052073		0.07	0.6	6380	54	69		NSS	
A0052074		2.57	<0.5	<5	7	54	<0.005		
A0052075		2.41	<0.5	<5	9	50	<0.005		
A0052076		2.39	<0.5	<5	7	87	<0.005		
A0052077		2.54	<0.5	<5	8	90	<0.005		
A0052078		2.44	<0.5	<5	5	182	<0.005		
A0052079		2.63	<0.5	<5	10	87	<0.005		
A0052080		2.45	<0.5	<5	28	78	0.005		
A0052081		2.26	<0.5	<5	10	98	<0.005		
A0052082		2.37	<0.5	<5	13	92	<0.005		
A0052083		2.32	<0.5	<5	16	94	0.061		
A0052084		2.25	<0.5	<5	29	72	<0.005		
A0052085		2.36	<0.5	<5	21	89	<0.005		
A0052086		0.07	<0.5	<5	20	35	<0.005		
A0052087		2.61	<0.5	<5	34	83	<0.005		
A0052088		2.44	<0.5	<5	26	61	0.176		
A0052089		2.23	<0.5	<5	42	82	<0.005		
A0052090		2.32	<0.5	<5	20	102	<0.005		
A0052091		2.45	0.6	<5	42	78	1.165		
A0052092		2.43	<0.5	<5	54	92	0.011		
A0052093		2.72	6.9	<5	681	64	0.073		
A0052094		2.41	<0.5	<5	58	60	0.006		
A0052095		2.54	<0.5	<5	19	127	<0.005		
A0052096		2.49	<0.5	<5	11	75	<0.005		
A0052097		2.40	<0.5	<5	15	71	<0.005		
A0052098		2.59	<0.5	<5	6	76	<0.005		
A0052099		0.07	1.7	17	43	94	1.020		
A0052100		2.47	<0.5	<5	7	75	<0.005		
A0052101		2.27	<0.5	<5	11	74	<0.005		
A0052102		2.53	<0.5	<5	22	55	<0.005		
A0052103		2.41	<0.5	<5	14	49	<0.005		
A0052104		3.90	<0.5	<5	31	63	<0.005		
A0052105		3.77	<0.5	<5	18	57	<0.005		
A0052106		2.48	<0.5	<5	7	75	<0.005		
A0052107		2.47	<0.5	<5	7	101	<0.005		
A0052108		2.30	<0.5	<5	12	66	<0.005		
A0052109		2.94	<0.5	<5	57	53	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19234606

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052110		1.91	<0.5	<5	53	171	<0.005		
A0052111		1.60	<0.5	5	73	88	<0.005		
A0052112		0.07	<0.5	<5	21	35	<0.005		
A0052113		2.31	<0.5	<5	45	173	<0.005		
A0052114		2.13	<0.5	<5	41	186	<0.005		
A0052115		1.70	<0.5	<5	52	78	0.016		
A0052116		2.76	<0.5	<5	10	80	<0.005		
A0052117		2.34	<0.5	<5	19	44	<0.005		
A0052118		1.29	<0.5	<5	23	37	<0.005		
A0052119		3.73	<0.5	<5	51	148	<0.005		
A0052120		2.61	<0.5	<5	48	131	<0.005		
A0052121		2.54	<0.5	<5	50	129	<0.005		
A0052122		2.71	<0.5	<5	55	122	<0.005		
A0052123		3.93	<0.5	6	42	123	<0.005		
A0052124		3.73	<0.5	<5	37	128	0.280		
A0052125		0.07	0.8	6340	52	70	6.70	6.64	
A0052126		2.76	<0.5	8	36	101	0.010		
A0052127		2.74	<0.5	<5	87	86	<0.005		
A0052128		1.47	0.7	<5	366	73	0.039		
A0052129		1.42	<0.5	<5	15	91	<0.005		
A0052130		2.65	<0.5	<5	31	103	<0.005		
A0052131		2.62	<0.5	<5	59	88	<0.005		
A0052132		2.26	<0.5	<5	9	49	<0.005		
A0052133		2.63	<0.5	<5	18	66	<0.005		
A0052134		2.63	<0.5	<5	62	125	<0.005		
A0052135		2.25	<0.5	<5	32	102	<0.005		
A0052136		2.22	<0.5	<5	24	80	<0.005		
A0052137		2.32	<0.5	<5	6	101	<0.005		
A0052138		0.07	<0.5	<5	22	38	<0.005		
A0052139		2.25	<0.5	<5	14	97	<0.005		
A0052140		2.51	<0.5	<5	11	88	<0.005		
A0052141		2.32	<0.5	<5	27	146	<0.005		2.83
A0052142		2.17	<0.5	<5	72	109	0.005		
A0052143		1.95	<0.5	<5	54	72	<0.005		
A0052144		3.31	<0.5	<5	35	77	0.021		
A0052145		3.69	<0.5	<5	39	95	<0.005		
A0052146		3.62	<0.5	<5	41	144	<0.005		
A0052147		2.65	<0.5	<5	46	108	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19234606

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> <td>OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19239205

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 24-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239205

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052304		3.08	<0.5	<5	17	140	<0.005		2.73
A0052305		2.49	<0.5	<5	16	92	<0.005		
A0052306		1.14	<0.5	<5	13	94	<0.005		
A0052307		0.07	1.2	6120	50	68		NSS	
A0052308		1.38	<0.5	5	9	92	<0.005		
A0052309		2.28	<0.5	<5	15	86	<0.005		
A0052310		2.44	<0.5	<5	13	88	<0.005		
A0052311		2.69	<0.5	<5	28	96	<0.005		
A0052312		2.50	<0.5	<5	11	106	<0.005		
A0052313		2.29	<0.5	<5	14	96	<0.005		
A0052314		2.35	<0.5	<5	8	95	<0.005		
A0052315		2.64	<0.5	<5	8	111	<0.005		
A0052316		2.55	<0.5	<5	11	98	<0.005		
A0052317		2.43	<0.5	<5	23	92	<0.005		
A0052318		2.49	<0.5	<5	8	91	<0.005		
A0052319		1.73	<0.5	<5	19	64	<0.005		
A0052320		0.07	<0.5	<5	22	37	<0.005		
A0052321		3.14	<0.5	<5	24	139	<0.005		
A0052322		2.56	<0.5	<5	23	133	<0.005		
A0052323		2.60	<0.5	<5	27	137	<0.005		2.71
A0052324		1.90	<0.5	<5	37	120	<0.005		
A0052325		3.09	<0.5	<5	28	110	<0.005		
A0052326		2.89	<0.5	<5	40	100	<0.005		2.81
A0052327		1.85	<0.5	<5	26	135	<0.005		
A0052328		2.51	<0.5	<5	32	120	<0.005		
A0052329		2.41	<0.5	<5	40	119	<0.005		
A0052330		2.61	<0.5	<5	54	108	<0.005		
A0052331		2.49	<0.5	<5	40	98	<0.005		
A0052332		2.37	<0.5	<5	43	89	<0.005		
A0052333		0.07	1.5	16	42	93	1.050		
A0052334		2.45	<0.5	<5	47	96	0.005		2.78
A0052335		2.47	<0.5	<5	51	103	0.006		
A0052336		2.36	<0.5	<5	66	107	0.007		
A0052337		2.19	<0.5	<5	45	105	<0.005		
A0052338		2.85	<0.5	<5	61	103	0.007		
A0052339		2.46	<0.5	<5	63	119	0.017		
A0052340		1.68	<0.5	<5	3	113	<0.005		
A0052341		2.67	<0.5	<5	11	66	0.007		
A0052342		2.75	<0.5	<5	9	89	0.009		
A0052343		2.50	<0.5	<5	3	63	0.028		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239205

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0052344	2.79	<0.5	<5	6	34	0.007		
A0052345	2.96	<0.5	<5	24	44	0.065		
A0052346	0.07	<0.5	<5	21	36	<0.005		
A0052347	1.71	<0.5	5	18	52	<0.005		
A0052348	1.04	<0.5	<5	51	54	0.007		
A0052349	1.81	<0.5	<5	21	45	0.009		
A0052350	1.77	<0.5	<5	80	40	0.033		
A0052351	2.33	<0.5	<5	10	55	<0.005		
A0052352	2.17	<0.5	<5	302	57	0.107		
A0052353	2.21	<0.5	<5	14	82	<0.005		
A0052354	2.19	<0.5	<5	12	79	<0.005		
A0052355	2.26	<0.5	<5	11	64	<0.005		
A0052356	2.03	<0.5	<5	10	56	<0.005		
A0052357	2.14	<0.5	<5	13	61	<0.005		
A0052358	2.04	<0.5	<5	6	57	<0.005		
A0052359	0.07	1.2	18	42	88	1.105		
A0052360	2.17	0.8	<5	326	49	0.051		
A0052361	2.31	<0.5	5	49	33	0.006		
A0052362	1.10	2.0	<5	803	101	0.055		
A0052363	1.08	<0.5	<5	109	157	0.026		
A0052364	2.31	<0.5	<5	18	37	<0.005		
A0052365	2.45	<0.5	<5	9	49	<0.005		
A0052366	2.19	<0.5	<5	87	63	0.005		
A0052367	2.21	<0.5	<5	9	88	<0.005		
A0052368	2.27	<0.5	<5	13	91	<0.005		
A0052369	2.26	<0.5	<5	11	61	<0.005		2.67
A0052370	2.64	<0.5	<5	79	133	0.006		
A0052371	2.45	<0.5	5	23	86	<0.005		
A0052372	0.07	<0.5	6	21	36	<0.005		
A0052373	3.15	<0.5	<5	33	73	<0.005		
A0052374	2.89	<0.5	<5	78	45	0.005		
A0052375	1.37	<0.5	<5	31	40	<0.005		
A0052376	2.39	<0.5	<5	6	55	<0.005		
A0052377	2.74	<0.5	<5	42	56	<0.005		
A0052378	1.17	<0.5	<5	11	43	<0.005		
A0052379	1.20	<0.5	<5	15	58	<0.005		
A0052380	2.27	<0.5	<5	43	41	0.007		
A0052381	2.04	<0.5	<5	20	30	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239205

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> <td>OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19239206

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 24-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239206

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0052226	2.37	<0.5	<5	15	79	<0.005		
A0052227	2.41	<0.5	<5	15	74	<0.005		
A0052228	2.44	<0.5	<5	12	87	<0.005		
A0052229	0.07	1.3	17	42	91	1.080		
A0052230	2.25	<0.5	<5	13	50	<0.005		
A0052231	1.25	<0.5	<5	8	82	<0.005		
A0052232	1.21	<0.5	<5	5	76	<0.005		
A0052233	2.68	<0.5	<5	10	83	<0.005		
A0052234	2.09	<0.5	<5	17	83	<0.005		
A0052235	2.44	<0.5	<5	14	77	<0.005		
A0052236	2.39	<0.5	<5	6	62	<0.005		
A0052237	2.43	<0.5	<5	9	75	<0.005		
A0052238	2.18	<0.5	<5	7	76	<0.005		
A0052239	2.24	<0.5	<5	9	82	<0.005		
A0052240	2.40	<0.5	<5	6	80	<0.005		
A0052241	2.34	<0.5	<5	180	125	<0.005		
A0052242	0.07	<0.5	<5	21	36	<0.005		
A0052243	2.53	<0.5	<5	17	96	<0.005		
A0052244	2.44	<0.5	<5	42	112	<0.005		
A0052245	2.30	<0.5	<5	10	93	<0.005		
A0052246	2.58	<0.5	<5	8	89	<0.005		
A0052247	2.46	<0.5	<5	5	93	<0.005		
A0052248	2.50	<0.5	<5	8	84	<0.005		
A0052249	2.61	<0.5	<5	7	79	<0.005		
A0052250	2.55	<0.5	<5	7	82	<0.005		
A0052251	2.16	<0.5	<5	6	64	<0.005		
A0052252	2.36	<0.5	<5	6	83	<0.005		2.69
A0052253	1.42	<0.5	<5	9	70	<0.005		
A0052254	1.52	<0.5	<5	42	167	<0.005		
A0052255	0.07	0.8	6280	50	70	6.69	6.56	
A0052256	2.62	<0.5	9	42	164	0.010		
A0052257	2.82	<0.5	<5	39	174	<0.005		
A0052258	2.64	<0.5	<5	43	175	<0.005		
A0052259	3.91	<0.5	<5	38	189	<0.005		
A0052260	2.89	<0.5	<5	10	69	<0.005		
A0052261	3.94	<0.5	<5	9	72	<0.005		
A0052262	2.28	<0.5	<5	6	68	<0.005		
A0052263	2.30	<0.5	<5	6	64	<0.005		
A0052264	1.72	<0.5	6	38	97	<0.005		
A0052265	2.29	<0.5	<5	10	78	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 10-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239206

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052266		2.36	<0.5	<5	10	75	<0.005		
A0052267		2.47	<0.5	5	4	80	<0.005		
A0052268		0.07	<0.5	5	20	38	0.009		
A0052269		2.66	<0.5	<5	2	87	<0.005		
A0052270		2.34	<0.5	<5	4	101	<0.005		
A0052271		2.37	<0.5	<5	18	176	<0.005		
A0052272		2.29	<0.5	<5	1	87	<0.005		
A0052273		2.33	<0.5	<5	8	53	<0.005		
A0052274		2.90	<0.5	5	12	49	0.010		
A0052275		2.66	<0.5	<5	7	74	<0.005		
A0052276		2.18	<0.5	<5	6	79	0.007		
A0052277		2.56	<0.5	<5	14	78	0.016		
A0052278		2.52	<0.5	5	8	95	<0.005		
A0052279		2.41	<0.5	<5	9	83	<0.005		
A0052280		2.48	<0.5	<5	26	93	<0.005		
A0052281		0.07	1.2	18	41	91	0.992		
A0052282		2.59	<0.5	<5	43	126	<0.005		
A0052283		2.22	<0.5	<5	11	59	<0.005		
A0052284		2.59	<0.5	<5	8	81	<0.005		
A0052285		3.30	<0.5	<5	14	98	<0.005		
A0052286		1.75	<0.5	<5	4	72	<0.005		
A0052287		2.69	<0.5	<5	10	89	<0.005		
A0052288		2.21	<0.5	<5	17	79	<0.005		
A0052289		2.34	<0.5	<5	4	84	<0.005		
A0052290		2.32	<0.5	<5	9	127	<0.005		
A0052291		2.62	<0.5	<5	7	85	<0.005		
A0052292		2.64	<0.5	<5	10	83	<0.005		
A0052293		2.47	<0.5	<5	7	80	<0.005		
A0052294		0.07	<0.5	<5	21	37	<0.005		
A0052295		2.55	<0.5	<5	3	84	<0.005		
A0052296		2.76	<0.5	<5	6	83	<0.005		
A0052297		2.38	<0.5	<5	8	80	<0.005		
A0052298		2.65	<0.5	<5	6	83	<0.005		
A0052299		2.57	<0.5	<5	28	80	<0.005		
A0052300		2.67	<0.5	<5	4	78	<0.005		
A0052301		2.56	<0.5	<5	9	95	<0.005		
A0052302		2.53	<0.5	5	7	83	<0.005		
A0052303		2.64	<0.5	<5	3	71	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10-OCT-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239206

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 11-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19239208

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 24-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 11-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239208

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052148		2.41	<0.5	<5	46	114	<0.005		
A0052149		2.81	<0.5	<5	42	99	<0.005		
A0052150		2.57	<0.5	<5	45	103	<0.005		
A0052151		0.07	0.6	6280	50	69		NSS	
A0052152		3.26	<0.5	9	19	108	<0.005		
A0052153		2.70	<0.5	<5	35	106	<0.005		
A0052154		2.13	<0.5	7	36	95	<0.005		
A0052155		2.77	<0.5	5	45	98	<0.005		
A0052156		2.98	<0.5	<5	43	91	<0.005		
A0052157		2.01	<0.5	<5	51	89	<0.005		
A0052158		2.37	<0.5	5	33	89	<0.005		
A0052159		1.46	<0.5	<5	49	94	<0.005		
A0052160		1.85	<0.5	<5	53	104	<0.005		
A0052161		2.56	<0.5	<5	51	94	<0.005		
A0052162		1.96	<0.5	<5	39	94	<0.005		
A0052163		2.94	<0.5	<5	43	96	<0.005		
A0052164		0.07	<0.5	<5	21	37	0.011		
A0052165		2.24	<0.5	<5	37	113	<0.005		
A0052166		2.32	<0.5	<5	51	112	<0.005		
A0052167		2.26	<0.5	<5	47	101	<0.005		
A0052168		2.09	<0.5	<5	38	101	<0.005		
A0052169		2.02	<0.5	<5	35	98	0.005		
A0052170		1.81	<0.5	<5	51	95	0.005	2.65	
A0052171		1.46	<0.5	<5	50	101	0.007		
A0052172		2.66	<0.5	5	31	77	0.056		
A0052173		1.78	<0.5	<5	25	118	0.092		
A0052174		1.25	<0.5	<5	45	77	<0.005		
A0052175		1.73	<0.5	<5	24	66	0.043		
A0052176		1.47	<0.5	<5	21	77	0.036		
A0052177		0.07	1.4	21	43	88	1.190		
A0052178		1.39	<0.5	<5	56	98	0.008		
A0052179		2.07	<0.5	<5	25	62	0.009		
A0052180		1.81	<0.5	<5	199	59	0.481		
A0052181		2.35	<0.5	<5	12	26	<0.005		
A0052182		2.81	<0.5	<5	14	40	<0.005		
A0052183		3.50	<0.5	<5	13	51	<0.005		
A0052184		2.63	<0.5	<5	22	55	<0.005		
A0052185		2.41	<0.5	<5	21	70	0.006		
A0052186		2.35	<0.5	<5	12	62	<0.005		
A0052187		2.82	<0.5	<5	7	97	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 11-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239208

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052188		2.08	<0.5	5	1	79	<0.005		
A0052189		2.66	<0.5	<5	3	85	<0.005		2.78
A0052190		0.07	<0.5	<5	21	36	<0.005		
A0052191		2.55	<0.5	<5	4	100	<0.005		
A0052192		2.49	<0.5	<5	84	33	0.007		
A0052193		2.32	<0.5	5	17	51	<0.005		
A0052194		2.41	<0.5	<5	18	78	<0.005		
A0052195		2.55	<0.5	<5	22	83	<0.005		
A0052196		2.53	<0.5	<5	21	83	<0.005		
A0052197		2.81	<0.5	<5	20	98	<0.005		
A0052198		2.62	<0.5	5	20	94	<0.005		
A0052199		1.98	<0.5	<5	16	112	<0.005		2.77
A0052200		3.12	<0.5	<5	17	100	<0.005		
A0052201		2.36	<0.5	<5	12	75	<0.005		
A0052202		1.74	<0.5	<5	8	41	<0.005		
A0052203		0.07	0.6	6120	49	68	6.58	NSS	
A0052204		1.05	<0.5	10	41	95	0.005		
A0052205		2.81	<0.5	<5	33	57	<0.005		
A0052206		2.42	<0.5	<5	22	68	<0.005		
A0052207		2.61	<0.5	<5	10	30	<0.005		
A0052208		2.34	<0.5	<5	51	134	<0.005		
A0052209		1.27	<0.5	7	50	124	<0.005		
A0052210		3.00	<0.5	<5	45	109	<0.005		
A0052211		3.17	<0.5	<5	43	137	<0.005		
A0052212		1.26	<0.5	<5	16	89	<0.005		
A0052213		1.79	<0.5	<5	32	122	0.007		
A0052214		1.05	<0.5	<5	25	134	0.009		
A0052215		2.45	<0.5	<5	44	80	0.007		
A0052216		0.07	<0.5	<5	22	36	<0.005		
A0052217		1.77	<0.5	7	13	722	0.492		
A0052218		2.24	<0.5	<5	5	84	0.094		
A0052219		1.71	<0.5	<5	29	85	<0.005		
A0052220		2.56	<0.5	<5	39	75	0.006		
A0052221		2.56	<0.5	<5	9	51	<0.005		
A0052222		2.03	<0.5	<5	10	62	<0.005		
A0052223		2.53	<0.5	<5	9	57	<0.005		
A0052224		2.53	<0.5	<5	11	75	<0.005		
A0052225		2.10	<0.5	<5	11	85	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 11-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19239208

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> <td>OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19244574

Project: Van horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-OCT-2019
 Account: KECIBQJN

Project: Van horne

CERTIFICATE OF ANALYSIS TB19244574

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052382		2.37	<0.5	<5	25	86	<0.005		
A0052383		2.63	<0.5	<5	57	124	<0.005		
A0052384		2.21	<0.5	<5	46	106	<0.005		
A0052385		0.07	1.3	6290	50	69		NSS	
A0052386		2.33	<0.5	5	42	80	0.008		2.69
A0052387		1.26	<0.5	<5	39	71	0.028		
A0052388		1.21	<0.5	12	19	96	0.761		
A0052389		1.45	<0.5	13	29	49	0.694		
A0052390		1.76	<0.5	<5	40	89	0.012		
A0052391		1.67	<0.5	<5	67	69	0.005		
A0052392		2.36	<0.5	<5	19	71	0.222		
A0052393		2.34	<0.5	<5	7	83	<0.005		
A0052394		2.36	<0.5	<5	7	82	<0.005		
A0052395		2.43	<0.5	<5	9	92	<0.005		
A0052396		2.30	<0.5	<5	6	86	<0.005		
A0052397		2.27	<0.5	<5	7	75	<0.005		
A0052398		0.07	<0.5	<5	20	36	<0.005		
A0052399		2.41	<0.5	<5	10	86	<0.005		
A0052400		2.24	<0.5	<5	16	89	<0.005		
A0052401		2.27	<0.5	<5	16	81	<0.005		
A0052402		1.33	<0.5	<5	4	64	<0.005		
A0052403		1.05	<0.5	<5	2	75	<0.005		
A0052404		1.52	<0.5	<5	13	87	<0.005		
A0052405		2.21	<0.5	<5	11	76	<0.005		
A0052406		2.30	<0.5	<5	15	78	<0.005		
A0052407		2.29	<0.5	<5	11	69	<0.005		
A0052408		2.69	<0.5	<5	11	75	<0.005		
A0052409		2.47	<0.5	<5	12	79	<0.005		
A0052410		1.58	<0.5	<5	16	75	<0.005		
A0052411		0.07	1.4	17	41	91	0.993		
A0052412		3.54	<0.5	<5	40	181	<0.005		
A0052413		3.43	<0.5	6	33	197	<0.005		
A0052414		1.60	<0.5	<5	13	103	<0.005		
A0052415		2.18	<0.5	<5	18	86	<0.005		
A0052416		2.58	<0.5	<5	17	86	<0.005		
A0052417		2.36	<0.5	<5	17	69	<0.005		
A0052418		2.31	<0.5	<5	16	93	<0.005		
A0052419		2.58	<0.5	<5	15	82	<0.005		
A0052420		2.31	<0.5	<5	12	95	<0.005		
A0052421		2.34	<0.5	<5	40	138	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-OCT-2019
 Account: KECIBQJN

Project: Van horne

CERTIFICATE OF ANALYSIS TB19244574

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
	0.02	0.5	5	1	2	0.005	0.05	0.01
A0052422	2.49	<0.5	<5	11	109	<0.005		
A0052423	2.55	<0.5	<5	2	75	<0.005		
A0052424	0.07	<0.5	<5	21	36	<0.005		
A0052425	2.53	<0.5	<5	6	76	<0.005		
A0052426	2.59	<0.5	<5	10	85	<0.005		
A0052427	2.51	<0.5	<5	4	78	<0.005		
A0052428	2.50	<0.5	<5	7	90	<0.005		
A0052429	2.49	<0.5	<5	8	101	<0.005		
A0052430	2.56	<0.5	<5	16	122	<0.005		
A0052431	2.58	<0.5	<5	12	61	<0.005		
A0052432	2.44	<0.5	<5	7	59	<0.005		
A0052433	2.25	<0.5	<5	2	55	<0.005		
A0052434	2.64	<0.5	<5	17	83	<0.005		
A0052435	2.14	<0.5	<5	8	56	<0.005		
A0052436	2.19	<0.5	<5	6	68	<0.005		
A0052437	0.07	1.1	6400	51	71	6.72	7.40	
A0052438	2.29	<0.5	8	9	82	<0.005		
A0052439	2.15	<0.5	<5	11	80	<0.005		
A0052440	2.12	<0.5	<5	27	85	<0.005		
A0052441	2.23	<0.5	<5	2	90	<0.005		
A0052442	2.34	<0.5	<5	5	90	<0.005		
A0052443	2.56	<0.5	<5	6	93	<0.005		
A0052444	2.47	<0.5	<5	3	96	<0.005		
A0052445	2.47	<0.5	<5	4	94	<0.005		
A0052446	2.49	<0.5	<5	9	77	<0.005		
A0052447	2.48	<0.5	<5	4	76	<0.005		
A0052448	2.46	<0.5	<5	4	81	<0.005		
A0052449	2.74	<0.5	<5	6	89	<0.005		
A0052450	0.07	<0.5	<5	21	37	<0.005		
A0052451	2.85	<0.5	<5	7	85	<0.005		
A0052452	2.44	<0.5	<5	11	88	<0.005		
A0052453	2.51	<0.5	<5	3	80	<0.005		
A0052454	2.04	<0.5	<5	28	56	<0.005		
A0052455	3.54	<0.5	5	30	142	<0.005		
A0052456	1.82	<0.5	<5	10	52	<0.005		
A0052457	2.01	<0.5	<5	5	50	<0.005		
A0052458	2.89	<0.5	<5	8	71	<0.005		
A0052459	2.34	<0.5	<5	12	81	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 17-OCT-2019
 Account: KECIBQJN

Project: Van horne

CERTIFICATE OF ANALYSIS TB19244574

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-AA24</td> <td>Au-GRA22</td> <td>ME-ICP61</td> <td>OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19244575

Project: Van Horne

This report is for 28 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19244575

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0051808		2.70	<0.5	<5	75	110	<0.005		
A0051809		2.65	<0.5	<5	44	85	<0.005		
A0051810		2.53	<0.5	5	36	93	<0.005		
A0051811		2.53	<0.5	<5	26	88	<0.005		
A0051812		2.70	<0.5	<5	20	91	<0.005		
A0051813		0.07	0.7	5970	50	65	6.11	6.20	
A0051814		2.82	<0.5	<5	12	99	<0.005		
A0051815		2.65	<0.5	<5	36	97	0.005		
A0051816		2.78	<0.5	<5	43	100	0.005		
A0051817		2.53	<0.5	<5	19	98	<0.005		
A0051818		2.67	0.5	<5	21	112	0.005		
A0051819		2.70	<0.5	<5	27	107	<0.005		
A0051820		2.83	<0.5	<5	11	96	<0.005		
A0051821		2.41	<0.5	<5	14	91	<0.005		
A0051822		2.98	<0.5	<5	21	77	0.042		
A0051823		1.77	<0.5	<5	25	69	0.193		
A0051824		1.54	1.5	<5	13	12	>10.0	19.25	
A0051825		1.73	<0.5	<5	7	57	0.047		
A0051826		0.07	<0.5	<5	21	37	<0.005		
A0051827		1.36	<0.5	<5	15	77	<0.005		2.71
A0051828		1.43	<0.5	<5	14	96	<0.005		
A0051829		2.68	<0.5	<5	7	106	<0.005		
A0051830		2.52	<0.5	<5	10	116	<0.005		
A0051831		2.97	<0.5	<5	14	110	<0.005		
A0051832		2.39	<0.5	<5	6	65	0.006		
A0051833		2.79	<0.5	<5	6	80	0.047		
A0051834		2.60	<0.5	<5	10	64	<0.005		
A0051835		2.61	<0.5	<5	6	34	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14-OCT-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19244575

	CERTIFICATE COMMENTS
	<p style="text-align: center;">LABORATORY ADDRESSES</p>
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada CRU-31 CRU-QC LOG-21 LOG-23 PUL-31 PUL-QC SPL-21 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-AA24 Au-GRA22 ME-ICP61 OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19248181

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-SEP-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19248181

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0052460		1.95	<0.5	<5	6	86	<0.005		
A0052461		3.10	<0.5	<5	7	67	<0.005		
A0052462		2.60	<0.5	<5	6	75	<0.005		
A0052463		0.07	1.7	15	42	89	1.095		
A0052464		2.30	<0.5	<5	11	80	<0.005		
A0052465		2.47	<0.5	<5	15	69	<0.005		
A0052466		2.21	<0.5	<5	11	64	<0.005		
A0052467		2.48	<0.5	<5	2	60	<0.005		
A0052468		2.35	<0.5	<5	3	48	<0.005		
A0052469		2.70	<0.5	<5	9	66	<0.005		
A0052470		2.30	<0.5	<5	8	68	<0.005		
A0052471		2.51	<0.5	<5	7	78	<0.005		
A0052472		2.49	<0.5	<5	10	79	<0.005		
A0052473		2.27	<0.5	<5	7	74	<0.005		
A0052474		3.07	<0.5	<5	10	66	<0.005		
A0052475		2.31	<0.5	<5	13	52	<0.005		
A0052476		0.07	<0.5	<5	20	36	<0.005		
A0052477		2.54	<0.5	<5	9	45	<0.005		
A0052478		2.46	<0.5	6	32	108	<0.005		
A0052479		2.60	<0.5	<5	34	91	<0.005		
A0052480		2.87	<0.5	6	18	65	<0.005		
A0052481		2.48	<0.5	<5	20	116	<0.005		
A0052482		2.79	<0.5	<5	33	112	<0.005		
A0052483		2.57	<0.5	<5	41	91	<0.005		
A0052484		1.76	<0.5	<5	38	92	<0.005		
A0052485		3.82	<0.5	<5	56	97	<0.005		
A0052486		2.53	<0.5	5	66	112	<0.005	2.69	
A0052487		2.54	<0.5	<5	43	119	<0.005		
A0052488		2.55	<0.5	<5	43	93	<0.005		
A0052489		0.07	0.8	6220	49	67	6.70	6.87	
A0052490		2.34	<0.5	12	37	86	0.042		
A0052491		2.80	<0.5	6	28	91	<0.005	2.73	
A0052492		2.65	<0.5	5	12	100	<0.005		
A0052493		1.80	<0.5	<5	38	109	0.009		
A0052494		2.98	<0.5	<5	25	99	0.109	2.70	
A0052495		1.67	<0.5	7	22	87	0.146		
A0052496		2.06	<0.5	9	49	122	0.922		
A0052497		1.91	<0.5	13	32	63	0.524		
A0052498		1.45	<0.5	<5	16	31	0.076		
A0052499		2.56	<0.5	<5	13	32	0.090	2.71	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19248181

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052500		2.24	<0.5	7	13	40	0.027		
A0052501		2.33	<0.5	<5	12	34	0.058		
A0052502		0.07	<0.5	<5	21	35	<0.005		
A0052503		2.39	<0.5	<5	15	33	0.161		
A0052504		2.52	<0.5	<5	10	30	0.188		
A0052505		2.37	<0.5	<5	13	34	0.302		
A0052506		2.30	<0.5	<5	11	39	0.731		
A0052507		2.73	<0.5	<5	13	35	0.155		
A0052508		2.37	<0.5	<5	11	34	0.079		
A0052509		2.36	<0.5	<5	10	36	0.575		
A0052510		2.11	<0.5	<5	11	31	0.468		
A0052511		1.90	<0.5	<5	43	95	0.010		
A0052512		1.35	<0.5	7	50	91	<0.005		
A0052513		2.58	<0.5	<5	51	92	<0.005		2.69
A0052514		2.57	<0.5	<5	82	99	<0.005		
A0052515		0.07	1.3	20	42	91	1.130		
A0052516		2.50	<0.5	<5	131	95	0.006		
A0052517		2.44	<0.5	<5	75	90	<0.005		
A0052518		2.55	<0.5	<5	19	92	<0.005		
A0052519		2.24	<0.5	<5	4	88	<0.005		
A0052520		2.40	<0.5	<5	8	86	0.005		
A0052521		2.55	<0.5	<5	53	90	0.047		
A0052522		2.28	<0.5	<5	35	92	<0.005		
A0052523		2.41	<0.5	<5	5	96	<0.005		
A0052524		2.64	<0.5	<5	30	95	<0.005		
A0052525		2.43	<0.5	<5	32	105	<0.005		
A0052526		2.51	<0.5	5	41	96	<0.005		
A0052527		2.70	<0.5	<5	75	103	<0.005		
A0052528		0.07	<0.5	<5	21	37	<0.005		
A0052529		2.28	<0.5	<5	59	113	<0.005		
A0052530		2.71	<0.5	<5	61	102	<0.005		
A0052531		2.86	<0.5	<5	37	103	<0.005		
A0052532		2.57	<0.5	<5	10	108	<0.005		
A0052533		2.64	<0.5	<5	1	98	<0.005		
A0052534		2.73	<0.5	5	1	107	<0.005		2.71
A0052535		2.39	<0.5	<5	1	103	<0.005		
A0052536		2.50	<0.5	<5	5	110	<0.005		
A0052537		2.55	<0.5	<5	18	112	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 16-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19248181

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
Total # Pages: 3 (A)
Plus Appendix Pages
Finalized Date: 14-OCT-2019
Account: KECIBQJN

CERTIFICATE TB19249581

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 4-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19249581

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052538		2.48	<0.5	<5	21	117	0.005		
A0052539		2.70	<0.5	5	22	112	<0.005		
A0052540		2.41	<0.5	<5	16	117	<0.005		
A0052541		0.07	0.7	6550	52	70	6.54	6.90	
A0052542		2.57	<0.5	9	4	136	<0.005		
A0052543		2.56	<0.5	6	22	110	<0.005		
A0052544		2.58	<0.5	<5	29	94	<0.005		
A0052545		2.36	<0.5	<5	43	133	<0.005		
A0052546		1.35	<0.5	9	41	112	0.006		
A0052547		2.41	<0.5	6	28	121	0.006		
A0052548		3.04	1.1	6	670	115	0.016		
A0052549		1.27	<0.5	<5	98	119	<0.005		
A0052550		2.09	<0.5	<5	32	112	<0.005		
A0052551		2.49	<0.5	<5	38	116	<0.005		
A0052552		2.57	<0.5	<5	17	112	<0.005		
A0052553		3.33	<0.5	<5	13	120	<0.005		
A0052554		0.07	<0.5	<5	21	38	<0.005		
A0052555		1.58	<0.5	10	17	90	0.569		
A0052556		2.52	<0.5	12	25	67	0.837		
A0052557		2.54	<0.5	7	10	105	0.257		
A0052558		2.65	<0.5	6	30	123	0.062		
A0052559		2.67	<0.5	10	26	132	0.028		
A0052560		2.52	<0.5	5	28	121	0.012		
A0052561		2.41	<0.5	<5	33	127	0.030		2.75
A0052562		2.51	0.6	11	17	81	1.630		
A0052563		2.65	<0.5	8	28	127	0.042		
A0052564		2.40	0.6	10	16	134	0.601		
A0052565		2.41	0.8	19	35	114	4.13	3.49	
A0052566		2.61	1.1	16	71	120	3.44	3.26	
A0052567		0.07	1.2	18	39	86	1.120		
A0052568		2.49	0.8	7	60	100	>10.0	16.40	
A0052569		2.64	0.5	<5	69	119	5.34	2.87	
A0052570		2.67	<0.5	6	83	137	2.55		
A0052571		2.28	<0.5	5	77	112	0.093		
A0052572		2.37	<0.5	<5	72	97	0.147		
A0052573		2.13	<0.5	<5	81	122	0.012		
A0052574		2.10	<0.5	9	73	123	1.460		
A0052575		2.27	<0.5	7	79	115	0.008		
A0052576		2.69	<0.5	8	74	106	0.005		
A0052577		2.39	<0.5	7	77	111	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19249581

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052578		2.83	<0.5	<5	81	119	0.006		
A0052579		2.61	0.6	8	82	99	1.635		
A0052580		0.07	<0.5	<5	21	36	<0.005		
A0052581		2.18	<0.5	6	91	141	0.005		
A0052582		2.52	<0.5	<5	85	128	0.007		
A0052583		2.58	<0.5	<5	74	121	<0.005		
A0052584		2.66	<0.5	5	76	117	<0.005		
A0052585		2.61	<0.5	6	71	114	0.006		
A0052586		2.45	<0.5	<5	75	113	0.030		
A0052587		2.56	<0.5	5	72	118	0.014		
A0052588		2.17	<0.5	<5	59	104	0.138		
A0052589		2.68	<0.5	9	74	103	0.940		
A0052590		2.72	<0.5	8	84	107	0.310		
A0052591		2.74	<0.5	<5	69	114	0.006		
A0052592		2.67	<0.5	5	71	103	<0.005		
A0052593		0.07	0.9	6090	48	66	6.37	6.25	
A0052594		2.53	<0.5	10	76	96	0.882		
A0052595		2.58	0.9	8	89	130	4.81	7.74	
A0052596		1.71	<0.5	9	74	93	1.345		
A0052597		1.61	0.5	5	59	93	1.075		
A0052598		1.67	<0.5	<5	9	21	0.380		
A0052599		2.58	<0.5	<5	3	19	0.020		2.74
A0052600		2.49	<0.5	<5	5	20	0.028		
A0052601		2.07	<0.5	<5	10	22	0.017		
A0052602		2.68	<0.5	8	6	19	0.053		
A0052603		2.48	<0.5	7	4	21	0.057		
A0052604		2.18	<0.5	5	4	20	0.025		
A0052605		2.63	0.5	8	128	69	0.575		
A0052606		0.07	<0.5	<5	21	36	<0.005		
A0052607		2.51	<0.5	6	89	92	0.065		2.69
A0052608		2.41	<0.5	<5	88	130	0.043		
A0052609		2.29	<0.5	6	87	151	0.005		
A0052610		2.29	0.5	7	108	149	0.006		
A0052611		2.52	<0.5	6	102	164	<0.005		
A0052612		2.19	<0.5	<5	80	172	0.005		
A0052613		2.42	<0.5	7	82	96	<0.005		
A0052614		2.11	<0.5	7	101	102	0.006		
A0052615		2.75	0.5	<5	65	171	0.061		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14-OCT-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19249581

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19251472

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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 split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19251472

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052694		3.07	<0.5	11	20	129	0.013		
A0052695		2.89	<0.5	15	22	202	0.022		2.80
A0052696		2.95	<0.5	18	13	83	0.214		
A0052697		0.06	0.8	6430	51	73	6.53	7.36	
A0052698		2.91	0.5	6	19	64	0.849		
A0052699		2.82	<0.5	5	18	98	0.010		
A0052700		2.91	0.5	9	16	111	0.010		
A0052701		2.50	<0.5	<5	18	107	0.012		
A0052702		3.05	<0.5	<5	15	89	0.814		
A0052703		1.33	<0.5	<5	30	89	0.209		
A0052704		1.46	0.8	5	7	46	2.73		
A0052705		2.62	0.7	14	9	49	1.695		
A0052706		3.04	0.7	<5	9	50	1.020		
A0052707		3.29	0.6	<5	21	69	1.120		
A0052708		2.74	<0.5	<5	23	71	0.196		
A0052709		2.95	0.5	<5	13	66	0.440		
A0052710		0.06	<0.5	<5	22	37	<0.005		
A0052711		2.69	<0.5	<5	14	88	0.007		
A0052712		2.76	0.5	<5	16	60	0.319		
A0052713		2.57	<0.5	<5	13	83	0.316		
A0052714		2.76	0.5	<5	15	81	0.036		
A0052715		2.89	<0.5	<5	16	92	0.007		
A0052716		2.86	<0.5	<5	17	113	0.038		
A0052717		2.90	<0.5	<5	12	74	0.017		
A0052718		2.71	<0.5	<5	9	74	0.005		
A0052719		2.71	<0.5	<5	11	76	0.516		
A0052720		2.66	0.5	<5	8	79	0.005		
A0052721		2.74	0.5	<5	59	108	0.027		
A0052722		2.45	0.5	<5	4	98	0.069		
A0052723		0.07	1.6	17	42	91	1.050		
A0052724		2.85	0.5	<5	47	144	5.47	3.36	
A0052725		1.98	0.5	<5	22	144	<0.005		
A0052726		1.87	0.5	<5	42	178	0.008		
A0052727		1.96	<0.5	<5	18	68	0.081		
A0052728		2.39	<0.5	<5	8	145	0.163		
A0052729		2.66	<0.5	<5	24	140	0.005		
A0052730		2.97	<0.5	<5	22	158	<0.005		
A0052731		2.36	<0.5	<5	28	110	0.015		
A0052732		2.86	<0.5	<5	24	134	<0.005		
A0052733		2.83	<0.5	<5	11	99	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19251472

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
	0.02	0.5	5	1	2	0.005	0.05	0.01
A0052734	2.68	<0.5	<5	20	130	0.026		
A0052735	2.77	0.5	<5	15	92	0.423		
A0052736	0.07	<0.5	<5	21	36	<0.005		
A0052737	1.17	<0.5	<5	15	103	<0.005		
A0052738	2.06	<0.5	<5	33	89	<0.005		
A0052739	2.58	<0.5	<5	36	105	0.005		
A0052740	2.88	0.5	<5	31	109	<0.005		
A0052741	2.63	<0.5	8	37	112	0.006		
A0052742	2.62	0.6	7	44	119	0.006		
A0052743	2.27	<0.5	<5	40	115	<0.005		
A0052744	2.85	<0.5	<5	46	100	<0.005		
A0052745	2.64	0.5	<5	70	97	0.044		
A0052746	2.80	0.5	<5	52	95	0.005		
A0052747	2.56	0.5	<5	55	136	0.006		
A0052748	2.57	0.6	14	36	126	0.014		
A0052749	0.06	0.7	6390	52	69	6.87	6.53	
A0052750	2.50	0.6	16	24	113	0.016		
A0052751	2.77	0.5	5	32	108	0.008		
A0052752	2.42	<0.5	<5	42	91	0.072		
A0052753	2.87	0.8	8	53	110	1.425		
A0052754	2.86	0.7	<5	68	128	0.015		2.75
A0052755	1.24	0.6	5	36	86	0.017		
A0052756	1.13	1.3	20	59	171	0.053		
A0052757	2.77	0.6	11	53	143	0.031		
A0052758	2.57	0.6	6	50	111	0.050		
A0052759	2.62	0.5	8	46	137	0.029		
A0052760	2.67	<0.5	8	36	160	0.702		
A0052761	1.64	0.8	21	33	89	0.958		
A0052762	0.07	<0.5	<5	21	37	<0.005		
A0052763	1.52	0.5	5	20	176	0.167		
A0052764	1.85	0.6	6	31	152	0.008		
A0052765	2.49	0.7	14	30	160	2.25		
A0052766	2.50	<0.5	17	23	180	0.122		
A0052767	2.38	0.5	21	28	153	0.218		
A0052768	2.30	0.5	17	37	232	0.023		
A0052769	2.49	<0.5	11	31	209	0.073		
A0052770	2.52	<0.5	35	30	178	0.029		
A0052771	2.51	<0.5	16	35	202	0.010		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 14-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19251472

	CERTIFICATE COMMENTS
--	-----------------------------

	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 15%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19252754

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 8-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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 *****

Comments: Additional Au-GRA22 check assay for sample A0052927 reports 6.55 ppm.

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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19252754

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052850		1.42	<0.5	7	19	113	<0.005		
A0052851		2.30	<0.5	<5	50	117	0.008		
A0052852		2.86	<0.5	7	18	101	0.771		2.80
A0052853		0.07	0.9	6360	51	67	NSS	NSS	
A0052854		2.68	<0.5	9	22	101	0.701		
A0052855		2.51	<0.5	<5	41	96	0.032		
A0052856		2.67	<0.5	8	41	94	0.545		
A0052857		2.62	<0.5	<5	36	108	0.010		
A0052858		2.71	<0.5	6	39	93	0.105		
A0052859		2.50	<0.5	7	38	97	0.007		
A0052860		2.68	<0.5	<5	42	95	0.232		
A0052861		2.71	<0.5	<5	37	99	0.160		
A0052862		2.69	<0.5	<5	34	101	0.316		
A0052863		2.61	<0.5	<5	15	104	0.007		
A0052864		2.61	<0.5	<5	49	91	0.266		
A0052865		2.70	<0.5	7	68	116	0.013		
A0052866		0.07	<0.5	<5	22	35	<0.005		
A0052867		2.77	<0.5	5	193	103	0.119		
A0052868		2.74	<0.5	<5	30	88	<0.005		
A0052869		2.78	<0.5	<5	7	82	<0.005		
A0052870		2.60	<0.5	6	8	83	<0.005		2.74
A0052871		2.67	<0.5	<5	22	80	0.013		
A0052872		2.60	<0.5	<5	22	84	<0.005		
A0052873		2.67	<0.5	<5	15	85	<0.005		
A0052874		2.67	<0.5	<5	32	85	<0.005		
A0052875		2.79	<0.5	<5	29	91	<0.005		
A0052876		2.71	<0.5	<5	37	87	<0.005		
A0052877		2.59	<0.5	6	20	87	<0.005		
A0052878		2.58	<0.5	<5	16	88	<0.005		
A0052879		0.07	1.2	18	41	84	1.060		
A0052880		2.75	<0.5	5	39	90	<0.005		
A0052881		2.48	<0.5	<5	83	88	<0.005		
A0052882		2.86	<0.5	<5	75	86	0.141		
A0052883		2.80	<0.5	<5	34	88	0.129		
A0052884		1.85	<0.5	7	29	87	<0.005		
A0052885		1.77	<0.5	7	37	84	<0.005		
A0052886		2.18	<0.5	8	42	88	0.005		
A0052887		2.67	<0.5	9	32	84	0.009		
A0052888		2.73	<0.5	8	39	88	0.010		
A0052889		1.54	<0.5	5	40	86	<0.005		

Comments: Additional Au-GRA22 check assay for sample A0052927 reports 6.55 ppm.

***** 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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 14-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19252754

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0052890		1.53	<0.5	<5	41	82	<0.005		
A0052891		2.52	<0.5	5	39	82	0.286		
A0052892		0.07	<0.5	<5	21	35	<0.005		
A0052893		2.84	<0.5	<5	24	82	<0.005		
A0052894		2.80	<0.5	<5	9	99	0.015		
A0052895		2.68	<0.5	<5	4	123	<0.005		
A0052896		2.28	<0.5	<5	27	117	0.070		
A0052897		3.48	<0.5	<5	30	126	0.606		
A0052898		2.74	<0.5	<5	3	129	<0.005		
A0052899		2.97	<0.5	<5	3	127	<0.005		
A0052900		2.81	<0.5	<5	6	123	0.359		
A0052901		2.73	<0.5	5	6	136	0.031		
A0052902		2.92	<0.5	7	4	112	0.018		
A0052903		2.63	<0.5	18	20	138	0.067		
A0052904		2.64	<0.5	<5	13	144	0.008		2.72
A0052905		0.07	0.7	6230	49	67	6.35	NSS	
A0052906		2.24	<0.5	7	5	93	0.007		
A0052907		2.70	<0.5	7	7	106	0.006		
A0052908		3.00	<0.5	7	4	104	0.006		
A0052909		2.84	<0.5	<5	4	111	0.007		
A0052910		2.12	<0.5	<5	5	99	0.038		
A0052911		3.30	<0.5	<5	7	23	0.077		
A0052912		2.71	<0.5	<5	4	21	0.015		2.75
A0052913		2.64	<0.5	<5	23	20	0.043		
A0052914		2.98	<0.5	<5	6	20	0.061		
A0052915		2.53	<0.5	<5	6	23	0.193		
A0052916		1.25	<0.5	5	10	18	0.020		
A0052917		2.10	<0.5	5	16	37	0.210		
A0052918		0.07	<0.5	<5	21	35	<0.005		
A0052919		1.89	<0.5	5	30	72	0.018		
A0052920		2.51	<0.5	5	21	126	<0.005		2.74
A0052921		2.66	<0.5	<5	73	120	0.009		
A0052922		2.73	<0.5	<5	35	119	0.061		
A0052923		2.78	<0.5	7	31	123	0.082		
A0052924		2.67	1.3	22	42	80	6.51	6.44	
A0052925		2.72	<0.5	17	45	76	0.803		
A0052926		2.71	<0.5	8	33	86	2.25		
A0052927		2.80	2.0	24	6	50	4.25	5.26	

Comments: Additional Au-GR22 check assay for sample A0052927 reports 6.55 ppm.

***** 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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19252754

	CERTIFICATE COMMENTS												
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td><td>OA-GRA08b</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b
CRU-31	CRU-QC	LOG-21	LOG-23										
PUL-31	PUL-QC	SPL-21	WEI-21										
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b										



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-OCT-2019
 Account: KECIBQJN

CERTIFICATE TB19259171

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 8-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19259171

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052616		2.02	<0.5	<5	46	69	<0.005		
A0052617		2.54	<0.5	<5	19	64	0.016		
A0052618		2.38	<0.5	<5	12	129	0.113		
A0052619		0.07	1.5	13	42	89	1.065		
A0052620		2.47	<0.5	<5	11	62	0.012		
A0052621		2.09	<0.5	<5	6	70	<0.005		
A0052622		2.29	<0.5	<5	4	65	0.015		
A0052623		2.67	<0.5	<5	15	69	0.009		
A0052624		2.54	<0.5	<5	12	91	0.033		
A0052625		1.88	<0.5	<5	13	87	<0.005		
A0052626		2.81	<0.5	<5	25	120	<0.005		
A0052627		2.65	<0.5	<5	17	119	0.006		
A0052628		2.48	<0.5	<5	14	79	<0.005		
A0052629		2.39	<0.5	<5	30	113	0.006		
A0052630		1.27	<0.5	<5	81	86	0.300		
A0052631		1.98	<0.5	<5	10	20	0.192		
A0052632		0.07	<0.5	<5	20	34	<0.005		
A0052633		2.59	<0.5	<5	5	18	0.188		
A0052634		2.55	<0.5	<5	6	22	0.287		
A0052635		2.72	<0.5	<5	7	22	0.074		
A0052636		2.31	<0.5	<5	5	25	0.372		
A0052637		2.26	<0.5	<5	14	49	0.841		
A0052638		2.48	<0.5	<5	13	52	0.052		
A0052639		2.55	<0.5	<5	11	72	0.015		
A0052640		2.50	<0.5	<5	14	67	0.037		
A0052641		2.51	<0.5	<5	13	73	0.027		
A0052642		2.52	<0.5	<5	15	84	0.017		
A0052643		2.66	<0.5	<5	33	75	0.019		
A0052644		2.13	<0.5	<5	20	78	0.009		
A0052645		0.07	0.5	6030	47	65	6.60	7.80	
A0052646		1.75	<0.5	8	44	140	0.007		
A0052647		2.78	<0.5	5	116	253	0.014		
A0052648		2.88	<0.5	<5	29	173	0.011		
A0052649		2.49	<0.5	<5	41	139	0.006		
A0052650		2.50	<0.5	<5	42	121	0.015		
A0052651		2.68	<0.5	<5	17	68	0.219		
A0052652		2.73	<0.5	<5	16	76	0.014		
A0052653		2.17	<0.5	<5	11	79	0.015		
A0052654		3.58	<0.5	<5	25	83	0.008		
A0052655		1.93	<0.5	<5	14	76	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19259171

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0052656		1.23	<0.5	5	92	166	1.215		
A0052657		1.28	<0.5	<5	24	23	0.035		
A0052658		0.07	<0.5	<5	21	34	<0.005		
A0052659		2.55	<0.5	<5	14	24	0.066		2.75
A0052660		2.44	<0.5	<5	9	25	0.102		
A0052661		2.53	<0.5	<5	8	26	0.055		
A0052662		2.44	<0.5	<5	13	26	0.046		
A0052663		2.60	<0.5	<5	2	26	0.057		
A0052664		2.61	<0.5	<5	2	24	0.295		
A0052665		2.49	<0.5	<5	3	23	0.356		
A0052666		2.45	<0.5	<5	2	24	0.422		
A0052667		2.69	<0.5	<5	2	23	0.181		
A0052668		2.69	<0.5	<5	2	25	0.236		
A0052669		2.35	<0.5	<5	1	26	0.152		
A0052670		1.86	<0.5	<5	42	119	0.019		
A0052671		0.07	1.4	17	41	87	0.958		
A0052672		1.59	<0.5	5	58	105	0.069		
A0052673		2.17	<0.5	<5	44	26	0.142		
A0052674		1.78	<0.5	<5	6	24	0.012		
A0052675		3.19	<0.5	<5	26	55	0.115		
A0052676		3.11	<0.5	<5	6	25	0.076		
A0052677		2.59	<0.5	<5	3	26	0.027		
A0052678		2.48	<0.5	<5	6	26	0.049		
A0052679		2.66	<0.5	<5	8	23	0.722		
A0052680		2.41	<0.5	<5	14	27	0.073		
A0052681		2.70	<0.5	<5	7	24	0.223		
A0052682		1.46	<0.5	<5	4	23	0.019		
A0052683		2.04	0.6	6	19	94	0.715		
A0052684		0.07	<0.5	<5	21	35	0.006		
A0052685		2.06	<0.5	<5	20	692	0.192		
A0052686		1.62	<0.5	<5	18	174	<0.005		
A0052687		1.11	1.3	<5	14	201	8.08	12.10	
A0052688		2.88	<0.5	<5	14	162	0.159		2.80
A0052689		2.82	1.1	6	10	126	0.021		
A0052690		2.90	<0.5	9	23	109	0.384		
A0052691		2.71	<0.5	6	10	88	0.016		
A0052692		2.85	0.9	19	22	160	0.135		
A0052693		2.86	<0.5	12	12	72	0.636		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 23-OCT-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19259171

	CERTIFICATE COMMENTS
--	-----------------------------

LABORATORY ADDRESSES			
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19259394

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 8-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19259394

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0052772		2.34	<0.5	15	28	186	0.007		
A0052773		2.36	<0.5	11	20	209	0.016		
A0052774		2.51	<0.5	15	43	149	0.007		
A0052775		0.07	1.1	20	39	87	1.075		
A0052776		2.58	<0.5	7	26	182	<0.005		
A0052777		2.40	<0.5	<5	36	145	<0.005		
A0052778		2.56	<0.5	7	27	132	<0.005		
A0052779		2.35	<0.5	<5	29	135	<0.005		
A0052780		2.33	<0.5	<5	60	130	<0.005		
A0052781		2.54	<0.5	<5	131	127	<0.005		
A0052782		2.43	0.9	5	748	128	0.005		
A0052783		2.46	<0.5	6	111	114	<0.005		
A0052784		2.49	<0.5	<5	13	104	<0.005		
A0052785		2.73	<0.5	7	3	103	<0.005		
A0052786		2.20	<0.5	<5	16	96	<0.005		2.97
A0052787		2.30	<0.5	<5	<1	95	<0.005		
A0052788		0.07	<0.5	5	22	38	<0.005		
A0052789		2.48	<0.5	7	2	89	<0.005		
A0052790		2.63	<0.5	<5	5	91	<0.005		
A0052791		2.36	<0.5	<5	3	97	<0.005		
A0052792		2.58	<0.5	<5	7	90	<0.005		
A0052793		2.50	<0.5	<5	40	87	<0.005		
A0052794		2.56	<0.5	<5	60	95	<0.005		
A0052795		2.43	<0.5	5	12	94	<0.005		
A0052796		2.41	<0.5	<5	15	87	<0.005		
A0052797		2.68	<0.5	<5	6	86	<0.005		
A0052798		2.54	<0.5	5	70	88	<0.005		
A0052799		2.65	<0.5	<5	36	88	<0.005		
A0052800		2.78	<0.5	<5	94	90	<0.005		
A0052801		0.07	0.7	6450	51	69	6.96	NSS	
A0052802		2.78	<0.5	10	18	99	<0.005		
A0052803		2.77	<0.5	<5	4	88	<0.005		
A0052804		2.72	<0.5	6	13	92	<0.005		
A0052805		2.72	<0.5	<5	29	86	<0.005		
A0052806		2.62	<0.5	<5	22	94	0.005		
A0052807		2.42	<0.5	<5	43	101	<0.005		
A0052808		2.71	0.6	5	75	94	0.141		
A0052809		1.46	<0.5	<5	22	96	0.403		
A0052810		1.15	<0.5	<5	5	25	0.759		
A0052811		2.12	<0.5	<5	9	34	0.116		2.88



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19259394

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
	0.02	0.5	5	1	2	0.005	0.05	0.01
A0052812	2.40	<0.5	<5	9	39	0.155		
A0052813	2.70	<0.5	<5	10	36	0.025		
A0052814	0.07	<0.5	6	18	34	<0.005		
A0052815	2.35	<0.5	<5	9	38	0.473		
A0052816	2.61	<0.5	<5	8	37	0.350		
A0052817	2.35	<0.5	<5	10	41	0.326		
A0052818	2.37	<0.5	5	10	42	0.747		
A0052819	2.48	<0.5	6	7	32	0.625		
A0052820	2.53	<0.5	8	11	37	0.485		
A0052821	1.29	<0.5	<5	8	36	0.582		
A0052822	1.56	<0.5	<5	13	35	0.425		
A0052823	1.79	<0.5	<5	6	109	0.018		
A0052824	2.38	<0.5	<5	8	114	<0.005		2.95
A0052825	1.54	<0.5	<5	5	101	<0.005		
A0052826	1.44	<0.5	<5	4	91	<0.005		
A0052827	0.07	1.1	18	38	86	1.080		
A0052828	1.80	<0.5	<5	9	84	0.141		
A0052829	2.36	<0.5	<5	262	106	0.022		
A0052830	2.40	3.7	5	232	105	0.088		
A0052831	2.38	<0.5	6	150	91	0.022		
A0052832	2.44	<0.5	<5	15	91	<0.005		
A0052833	2.46	<0.5	<5	8	87	0.056		
A0052834	2.40	<0.5	<5	5	81	0.341		
A0052835	2.44	<0.5	5	4	85	<0.005		
A0052836	2.38	<0.5	5	1	96	<0.005		
A0052837	2.38	<0.5	<5	5	89	<0.005		
A0052838	2.51	<0.5	<5	6	90	<0.005		
A0052839	2.65	<0.5	<5	5	90	<0.005		
A0052840	0.07	<0.5	<5	23	35	<0.005		
A0052841	2.74	<0.5	6	5	89	0.005		
A0052842	2.52	<0.5	<5	10	87	0.083		
A0052843	2.73	<0.5	<5	5	88	0.038		
A0052844	2.79	<0.5	<5	3	93	<0.005		
A0052845	2.53	<0.5	5	1	94	<0.005		
A0052846	2.74	<0.5	<5	5	95	<0.005		
A0052847	1.44	<0.5	<5	1	97	<0.005		
A0052848	1.37	<0.5	<5	1	98	<0.005		
A0052849	1.72	<0.5	<5	1	101	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19259394

CERTIFICATE COMMENTS													
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td><td>OA-GRA08b</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b
CRU-31	CRU-QC	LOG-21	LOG-23										
PUL-31	PUL-QC	SPL-21	WEI-21										
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b										



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19261253

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261253

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052928		2.88	0.6	7	38	99	1.830		
A0052929		2.14	0.9	7	35	97	3.28	2.95	
A0052930		2.42	<0.5	<5	38	154	0.819		
A0052931		0.07	2.4	13	43	89	1.150		
A0052932		2.46	<0.5	<5	52	136	0.013		
A0052933		2.54	<0.5	<5	36	177	0.012		
A0052934		2.62	0.5	<5	36	367	0.005		
A0052935		2.83	<0.5	<5	60	455	0.106		
A0052936		2.55	<0.5	<5	64	101	0.008		
A0052937		3.15	0.8	<5	97	96	1.615		
A0052938		2.29	0.5	<5	34	57	0.923		
A0052939		2.72	1.4	9	80	90	2.82	3.21	
A0052940		2.53	0.5	<5	63	55	2.17		
A0052941		2.55	<0.5	<5	86	116	0.385		
A0052942		2.56	0.5	<5	63	116	0.008		
A0052943		2.83	<0.5	<5	79	132	0.008		2.66
A0052944		0.07	<0.5	<5	20	37	<0.005		
A0052945		2.90	<0.5	<5	101	134	<0.005		
A0052946		2.57	<0.5	<5	90	112	<0.005		
A0052947		2.58	<0.5	<5	64	127	<0.005		
A0052948		2.67	<0.5	<5	71	102	<0.005		
A0052949		1.57	<0.5	<5	79	121	<0.005		
A0052950		1.90	<0.5	<5	73	123	<0.005		
A0052951		2.36	<0.5	<5	7	44	0.042		
A0052952		2.58	<0.5	<5	4	23	0.246		
A0052953		2.34	<0.5	<5	<1	27	0.119		
A0052954		2.72	<0.5	<5	4	27	0.147		
A0052955		2.74	<0.5	<5	8	27	0.016		
A0052956		2.73	<0.5	<5	5	25	0.102		
A0052957		0.07	0.8	6130	50	68	6.10	5.99	
A0052958		2.74	<0.5	5	7	29	0.056		
A0052959		2.61	<0.5	<5	5	26	0.015		
A0052960		2.51	<0.5	<5	2	23	0.405		
A0052961		2.83	<0.5	<5	3	27	1.510		
A0052962		2.37	<0.5	<5	4	28	0.258		
A0052963		2.77	<0.5	<5	11	32	0.128		
A0052964		1.60	<0.5	<5	5	34	0.032		
A0052965		1.82	<0.5	<5	14	43	<0.005		
A0052966		2.19	0.5	<5	93	146	0.187		
A0052967		2.78	<0.5	<5	68	105	0.007		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 9-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261253

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0052968		2.73	<0.5	<5	73	129	<0.005		
A0052969		2.73	0.5	<5	97	130	<0.005		
A0052970		0.07	<0.5	<5	21	36	<0.005		
A0052971		2.80	0.5	<5	69	120	0.021		
A0052972		2.65	<0.5	<5	71	122	0.027		
A0052973		2.70	<0.5	<5	99	140	<0.005		
A0052974		2.70	<0.5	<5	80	151	0.005		
A0052975		2.58	<0.5	<5	77	149	<0.005		
A0052976		2.50	<0.5	<5	66	171	<0.005		
A0052977		2.72	0.5	<5	80	165	<0.005		
A0052978		2.42	<0.5	<5	40	156	<0.005		
A0052979		2.58	<0.5	<5	39	158	<0.005		
A0052980		2.46	<0.5	<5	166	106	0.005		
A0052981		2.40	<0.5	<5	44	143	0.247		
A0052982		2.31	<0.5	<5	5	111	0.010		
A0052983		0.07	1.7	17	44	94	0.941		
A0052984		2.38	<0.5	<5	1	56	0.006		
A0052985		2.66	0.5	<5	11	75	0.580		
A0052986		2.50	<0.5	<5	3	73	0.036		
A0052987		2.55	<0.5	<5	5	76	0.056		
A0052988		2.62	<0.5	<5	2	58	<0.005		
A0052989		2.38	<0.5	<5	1	56	<0.005		
A0052990		2.47	<0.5	<5	2	77	<0.005		
A0052991		2.34	<0.5	<5	1	57	<0.005		
A0052992		2.54	<0.5	<5	1	53	0.280		2.77
A0052993		2.48	<0.5	<5	2	82	0.084		
A0052994		2.88	<0.5	<5	3	100	<0.005		
A0052995		2.14	<0.5	<5	6	153	<0.005		
A0052996		0.07	<0.5	<5	22	38	<0.005		
A0052997		2.80	<0.5	<5	8	144	<0.005		
A0052998		2.63	<0.5	<5	39	164	<0.005		
A0052999		2.59	<0.5	<5	44	143	<0.005		
A0053000		2.50	<0.5	<5	182	154	0.008		
A0053001		1.20	<0.5	<5	48	76	<0.005		
A0053002		1.72	<0.5	<5	73	169	0.017		
A0053003		2.23	<0.5	<5	49	147	<0.005		
A0053004		2.52	<0.5	<5	78	138	<0.005		
A0053005		2.53	<0.5	<5	86	148	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 9-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261253

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19261254

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261254

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053006		2.47	<0.5	<5	79	147	<0.005		
A0053007		2.72	0.5	<5	92	140	<0.005		
A0053008		2.57	<0.5	<5	94	124	0.006		
A0053009		0.07	0.9	6120	50	67	6.82	6.59	
A0053010		2.63	<0.5	7	76	172	0.428		
A0053011		1.71	<0.5	<5	89	146	0.012		
A0053012		2.09	<0.5	<5	38	103	0.043		
A0053013		1.39	<0.5	<5	10	24	0.050		
A0053014		2.37	<0.5	<5	7	27	0.015		
A0053015		2.29	<0.5	<5	5	25	0.039	2.64	
A0053016		2.48	<0.5	<5	10	27	0.016		
A0053017		2.66	<0.5	<5	12	24	0.117		
A0053018		2.65	<0.5	<5	10	28	0.009		
A0053019		1.41	<0.5	<5	12	29	0.066		
A0053020		2.02	<0.5	<5	9	24	0.123		
A0053021		2.09	<0.5	5	104	126	0.270		
A0053022		0.07	<0.5	<5	21	35	<0.005		
A0053023		2.88	<0.5	<5	78	163	<0.005		
A0053024		2.59	<0.5	<5	127	138	<0.005		
A0053025		2.58	<0.5	<5	89	188	0.012		
A0053026		2.65	<0.5	<5	43	109	0.011		
A0053027		2.55	<0.5	<5	5	100	<0.005		
A0053028		2.65	<0.5	<5	61	147	0.007		
A0053029		2.60	<0.5	<5	49	137	0.069		
A0053030		2.39	<0.5	<5	53	130	0.049		
A0053031		2.30	<0.5	11	54	204	0.044		
A0053032		1.32	<0.5	<5	27	62	<0.005		
A0053033		1.66	<0.5	<5	30	60	0.034		
A0053034		1.40	<0.5	9	9	29	0.892		
A0053035		0.07	1.8	15	42	89	1.100		
A0053036		2.01	<0.5	<5	30	35	0.130		
A0053037		1.36	<0.5	<5	36	73	0.170		
A0053038		1.96	<0.5	<5	37	90	0.250		
A0053039		2.04	<0.5	<5	10	85	0.167		
A0053040		2.65	<0.5	<5	16	218	1.300		
A0053041		2.40	<0.5	<5	11	29	1.470		
A0053042		2.60	<0.5	<5	14	40	0.181		
A0053043		2.51	<0.5	<5	20	42	0.439		
A0053044		2.75	<0.5	<5	27	75	<0.005		
A0053045		2.55	<0.5	<5	20	61	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261254

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0053046	2.67	<0.5	<5	11	40	1.230		
A0053047	2.77	<0.5	<5	15	52	<0.005		
A0053048	0.07	<0.5	<5	21	35	<0.005		
A0053049	2.67	<0.5	<5	8	57	<0.005		
A0053050	2.74	<0.5	<5	7	48	0.388		
A0053051	2.49	<0.5	<5	9	108	0.094		
A0053052	2.79	<0.5	<5	9	67	<0.005		
A0053053	2.94	<0.5	<5	53	185	1.710		
A0053054	2.57	<0.5	<5	32	73	0.186		
A0053055	2.37	<0.5	<5	26	48	0.087		
A0053056	3.18	<0.5	<5	30	133	0.243		
A0053057	2.83	0.5	<5	60	163	0.568		
A0053058	2.73	<0.5	<5	31	113	0.172		
A0053059	2.61	<0.5	<5	46	242	0.579		
A0053060	2.84	<0.5	<5	40	133	0.012		
A0053061	0.07	0.8	5110	50	66	6.46	NSS	2.74
A0053062	2.70	<0.5	<5	48	170	0.030		
A0053063	2.74	<0.5	<5	41	164	0.008		
A0053064	2.90	0.5	<5	72	125	0.006		
A0053065	2.70	<0.5	<5	35	97	0.005		
A0053066	2.48	<0.5	<5	31	107	<0.005		
A0053067	2.76	0.6	<5	51	127	<0.005		
A0053068	2.50	<0.5	<5	25	136	<0.005		
A0053069	2.22	<0.5	<5	28	174	<0.005		
A0053070	2.76	<0.5	<5	25	104	0.012		
A0053071	2.12	0.5	33	65	154	0.044		
A0053072	2.36	<0.5	7	60	108	0.020		
A0053073	2.29	0.6	7	65	123	0.024		
A0053074	0.07	<0.5	<5	20	36	<0.005		
A0053075	2.57	<0.5	5	40	113	0.009		
A0053076	2.40	<0.5	11	59	109	0.360		
A0053077	2.80	0.8	8	74	120	0.018		
A0053078	2.57	<0.5	11	61	143	0.011		
A0053079	2.75	0.6	<5	29	169	<0.005		
A0053080	2.79	<0.5	<5	16	178	<0.005		
A0053081	2.51	<0.5	<5	11	162	0.005		
A0053082	2.40	<0.5	8	13	226	0.012		
A0053083	2.57	<0.5	23	7	155	0.060		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261254

CERTIFICATE COMMENTS									
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p>								
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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						
	<p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td><td>OA-GRA08b</td></tr></table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19261255

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261255

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0053084		2.62	<0.5	21	6	198	0.018		
A0053085		2.86	<0.5	<5	5	185	0.014		
A0053086		2.79	<0.5	51	3	194	0.030		
A0053087		0.07	1.7	13	42	87	1.050		
A0053088		2.36	<0.5	<5	8	238	0.008		
A0053089		2.48	<0.5	7	3	213	0.007		
A0053090		2.56	<0.5	<5	3	150	<0.005		
A0053091		2.67	<0.5	7	6	108	0.016		
A0053092		2.41	<0.5	12	18	102	1.075		
A0053093		2.56	<0.5	11	27	135	0.340		
A0053094		2.78	<0.5	47	23	111	0.355		
A0053095		2.75	0.5	27	75	136	0.338		
A0053096		1.76	0.5	18	57	90	1.160		
A0053097		1.29	<0.5	8	27	107	0.015		
A0053098		2.09	<0.5	33	43	107	0.014		
A0053099		2.48	0.6	28	46	79	0.546		
A0053100		0.07	<0.5	<5	20	34	<0.005		
A0053101		2.70	0.5	15	48	79	0.519		
A0053102		1.34	<0.5	<5	17	92	0.130		
A0053103		1.47	<0.5	<5	12	127	0.014		
A0053104		2.15	<0.5	<5	7	149	<0.005		
A0053105		2.53	0.9	<5	7	133	0.027		
A0053106		2.85	<0.5	<5	8	117	<0.005		
A0053107		2.74	<0.5	<5	12	112	<0.005		
A0053108		2.81	<0.5	<5	14	109	<0.005		
A0053109		2.59	1.0	<5	38	146	0.070		2.77
A0053110		3.02	<0.5	<5	94	128	0.006		
A0053111		2.58	<0.5	<5	56	125	<0.005		
A0053112		2.44	<0.5	<5	109	143	<0.005		
A0053113		0.07	0.5	5310	49	67	6.60	6.20	
A0053114		2.60	<0.5	<5	15	129	0.031		
A0053115		2.86	<0.5	<5	20	128	<0.005		
A0053116		2.94	<0.5	<5	10	137	<0.005		
A0053117		2.73	<0.5	6	19	132	<0.005		
A0053118		2.75	<0.5	<5	50	134	<0.005		
A0053119		2.80	<0.5	<5	28	131	<0.005		
A0053120		2.77	<0.5	5	111	131	<0.005		
A0053121		2.91	<0.5	<5	55	131	<0.005		
A0053122		2.46	<0.5	<5	71	127	<0.005		
A0053123		2.77	<0.5	5	94	132	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 4-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261255

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053124		2.68	<0.5	6	93	134	<0.005		
A0053125		2.51	<0.5	<5	90	137	<0.005		
A0053126		0.07	<0.5	<5	22	35	<0.005		
A0053127		1.45	<0.5	6	19	138	<0.005		
A0053128		1.99	<0.5	<5	14	152	<0.005		
A0053129		1.75	<0.5	<5	10	131	<0.005		
A0053130		2.77	<0.5	5	2	123	<0.005		
A0053131		1.47	<0.5	<5	2	115	<0.005		
A0053132		1.96	<0.5	5	4	121	<0.005		
A0053133		1.81	<0.5	<5	1	109	<0.005		
A0053134		2.08	<0.5	<5	34	90	0.018		
A0053135		1.22	<0.5	<5	22	109	<0.005		
A0053136		2.11	<0.5	5	27	106	0.006		
A0053137		2.80	<0.5	5	40	91	<0.005		
A0053138		2.30	<0.5	<5	21	85	<0.005		
A0053139		0.07	1.6	16	41	88	0.984		
A0053140		2.61	<0.5	<5	16	89	<0.005		
A0053141		2.81	<0.5	6	50	90	<0.005		
A0053142		2.70	<0.5	<5	50	85	<0.005		
A0053143		1.35	<0.5	<5	40	87	<0.005		
A0053144		2.15	<0.5	9	39	91	1.160		
A0053145		1.94	<0.5	6	27	93	0.972		
A0053146		2.55	<0.5	<5	22	94	0.188		
A0053147		2.85	<0.5	<5	38	97	0.295		
A0053148		2.64	<0.5	<5	35	95	0.025		
A0053149		2.44	<0.5	6	27	85	0.053		
A0053150		2.57	<0.5	<5	28	92	0.186		
A0053151		2.63	<0.5	<5	35	96	0.010		
A0053152		0.07	0.5	<5	22	37	<0.005		
A0053153		2.38	0.5	<5	18	94	<0.005		2.73
A0053154		1.53	0.6	<5	11	82	0.129		
A0053155		1.54	<0.5	<5	24	107	<0.005		
A0053156		1.97	0.5	<5	30	91	<0.005		
A0053157		2.47	<0.5	<5	54	90	<0.005		
A0053158		2.55	<0.5	<5	38	88	<0.005		
A0053159		2.79	0.5	<5	38	88	<0.005		
A0053160		2.62	0.5	<5	15	83	<0.005		
A0053161		2.69	<0.5	<5	13	87	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 4-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19261255

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 18-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19269066

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 18-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269066

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053318		2.76	<0.5	5	21	104	0.030		
A0053319		2.92	<0.5	6	32	102	0.006		
A0053320		2.59	<0.5	<5	26	121	<0.005		
A0053321		0.07	0.6	6170	47	67	6.33	6.93	
A0053322		2.77	<0.5	10	32	126	<0.005		
A0053323		2.80	<0.5	<5	63	129	<0.005		
A0053324		2.81	<0.5	<5	28	115	<0.005		
A0053325		2.81	<0.5	5	42	114	<0.005		
A0053326		2.71	<0.5	6	41	117	<0.005		
A0053327		2.69	<0.5	5	37	105	<0.005		
A0053328		2.68	<0.5	14	49	136	<0.005		
A0053329		2.77	<0.5	5	41	163	<0.005	2.76	
A0053330		2.85	<0.5	<5	50	135	<0.005		
A0053331		2.73	<0.5	<5	49	134	<0.005		
A0053332		2.81	<0.5	<5	39	155	<0.005		
A0053333		2.67	<0.5	6	46	245	0.012		
A0053334		0.07	<0.5	<5	22	39	<0.005		
A0053335		3.43	<0.5	6	40	189	0.008		
A0053336		2.27	<0.5	<5	7	36	0.092		
A0053337		2.59	<0.5	<5	33	30	0.057		
A0053338		2.64	<0.5	<5	6	29	0.104		
A0053339		2.50	<0.5	<5	7	27	0.142		
A0053340		2.59	<0.5	5	7	31	0.121		
A0053341		2.45	<0.5	<5	9	39	0.017	2.65	
A0053342		2.57	<0.5	<5	9	27	0.038		
A0053343		2.46	<0.5	<5	8	27	0.072		
A0053344		2.58	<0.5	<5	12	27	0.068		
A0053345		3.03	<0.5	<5	9	40	0.043		
A0053346		2.24	<0.5	8	35	120	0.374		
A0053347		0.07	1.6	18	42	92	1.115		
A0053348		2.75	<0.5	6	39	98	<0.005		
A0053349		2.75	<0.5	6	29	94	<0.005		
A0053350		2.54	<0.5	9	37	91	<0.005		
A0053351		2.63	<0.5	5	48	78	<0.005	2.68	
A0053352		2.63	<0.5	7	35	89	<0.005		
A0053353		2.59	<0.5	7	38	80	<0.005		
A0053354		2.68	<0.5	7	26	86	<0.005		
A0053355		2.56	<0.5	5	47	111	0.005		
A0053356		2.73	<0.5	7	48	98	0.062		
A0053357		2.53	<0.5	<5	31	72	0.196		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 18-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269066

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0053358	2.53	<0.5	11	34	98	<0.005		
A0053359	2.65	<0.5	9	23	91	<0.005		
A0053360	0.07	<0.5	<5	22	37	<0.005		
A0053361	2.60	<0.5	14	30	98	<0.005		
A0053362	2.56	<0.5	6	39	113	<0.005		
A0053363	2.65	<0.5	8	31	100	<0.005		
A0053364	2.78	<0.5	<5	39	112	<0.005		
A0053365	2.66	<0.5	6	38	118	0.006		
A0053366	2.63	<0.5	8	38	140	<0.005		
A0053367	2.72	<0.5	5	43	101	0.015		
A0053368	2.75	<0.5	5	50	106	0.006		
A0053369	2.32	<0.5	8	46	114	0.604		
A0053370	2.40	<0.5	<5	44	119	<0.005		
A0053371	1.36	<0.5	15	8	22	0.007		
A0053372	1.26	<0.5	6	26	122	<0.005		
A0053373	0.07	0.9	5090	49	69	6.30	NSS	
A0053374	2.54	<0.5	13	115	230	0.014		
A0053375	2.36	<0.5	6	39	159	0.005		
A0053376	2.99	<0.5	<5	38	144	0.014		
A0053377	2.68	<0.5	7	48	124	<0.005		2.83
A0053378	2.61	<0.5	5	28	123	<0.005		
A0053379	2.55	<0.5	<5	39	169	<0.005		
A0053380	2.48	<0.5	9	47	343	<0.005		
A0053381	2.50	<0.5	18	59	253	0.010		
A0053382	2.48	<0.5	<5	39	153	<0.005		
A0053383	2.69	<0.5	20	53	137	0.009		
A0053384	2.70	<0.5	15	52	156	0.014		
A0053385	2.70	<0.5	32	50	193	0.021		
A0053386	0.07	<0.5	<5	21	37	0.006		
A0053387	2.85	7.9	100	1150	3980	0.093		
A0053388	2.76	3.7	51	682	1590	0.110		
A0053389	2.80	1.3	19	57	1520	0.012		
A0053390	2.85	<0.5	36	64	195	0.015		
A0053391	2.86	<0.5	<5	65	126	0.005		
A0053392	2.69	<0.5	16	84	104	0.075		
A0053393	2.72	<0.5	7	86	142	0.010		
A0053394	2.79	<0.5	<5	51	116	<0.005		
A0053395	2.82	<0.5	<5	54	110	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 18-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269066

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non-sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	CRU-31	CRU-QC	LOG-21	LOG-23
Applies to Method:	PUL-31	PUL-QC	SPL-21	WEI-21
	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
Applies to Method:	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19269068

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269068

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Zn-OG62	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Zn %	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.001	0.005	0.05	0.01
A0053240		2.41	<0.5	<5	4	100		<0.005		
A0053241		2.53	<0.5	<5	29	107		<0.005		
A0053242		2.61	<0.5	<5	92	129		<0.005		
A0053243		0.07	1.4	17	42	93		1.040		
A0053244		2.63	<0.5	<5	137	157		0.024		
A0053245		2.76	<0.5	<5	104	139		0.521		
A0053246		2.60	<0.5	<5	67	143		0.005		
A0053247		2.38	<0.5	<5	118	137		0.006		
A0053248		2.60	<0.5	5	100	151		<0.005		
A0053249		2.54	<0.5	<5	56	137		<0.005		
A0053250		2.48	<0.5	<5	11	56		<0.005		
A0053251		2.65	<0.5	5	13	64		<0.005		
A0053252		2.59	<0.5	5	57	159		<0.005		
A0053253		2.34	<0.5	<5	62	156		<0.005		
A0053254		2.46	<0.5	<5	44	132		<0.005		
A0053255		2.25	<0.5	5	41	160		<0.005		
A0053256		0.07	<0.5	<5	20	37		<0.005		
A0053257		2.58	<0.5	6	57	140		<0.005		
A0053258		2.50	<0.5	<5	61	124		0.009		
A0053259		1.60	<0.5	5	66	118		0.200		
A0053260		1.99	<0.5	<5	44	132		0.008		
A0053261		1.41	1.2	11	53	155		2.11		
A0053262		1.70	<0.5	<5	53	223		0.051		
A0053263		1.53	<0.5	16	51	292		0.036		
A0053264		1.12	<0.5	<5	4	29		0.007		
A0053265		2.38	<0.5	<5	4	26		0.438		2.83
A0053266		2.40	<0.5	<5	2	30		0.139		
A0053267		2.81	<0.5	<5	4	26		0.046		
A0053268		1.44	<0.5	<5	8	32		0.062		
A0053269		0.07	0.9	6380	49	67		6.79	6.30	
A0053270		1.35	<0.5	38	63	209		0.041		
A0053271		2.72	<0.5	8	29	100		0.015		
A0053272		2.75	<0.5	<5	49	88		0.008		
A0053273		2.67	<0.5	<5	44	95		<0.005		2.78
A0053274		2.66	<0.5	<5	37	88		0.006		
A0053275		2.62	<0.5	<5	37	87		<0.005		
A0053276		2.78	<0.5	<5	37	93		<0.005		
A0053277		2.59	<0.5	<5	43	95		<0.005		
A0053278		2.47	<0.5	<5	24	98		<0.005		
A0053279		2.68	<0.5	<5	46	106		<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269068

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Zn-OG62 Zn %	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
	0.02	0.5	5	1	2	0.001	0.005	0.05	0.01
A0053280	2.82	<0.5	<5	42	111		<0.005		
A0053281	2.66	<0.5	<5	54	135		<0.005		
A0053282	0.07	<0.5	<5	22	39		<0.005		
A0053283	2.85	0.5	10	48	1285		0.010		
A0053284	2.92	<0.5	<5	40	236		0.005		
A0053285	2.35	1.2	57	102	9550		0.086		
A0053286	1.55	0.5	61	73	3510		0.070		
A0053287	1.87	<0.5	18	12	134		0.013		
A0053288	2.80	0.9	54	56	774		0.129		
A0053289	0.87	<0.5	<5	11	59		0.020		
A0053290	1.85	3.8	40	222	>10000	2.01	0.115		
A0053291	2.67	1.5	109	110	6510		0.147		
A0053292	2.90	<0.5	6	59	2690		0.016		2.84
A0053293	2.78	0.5	16	24	2150		0.021		
A0053294	2.68	<0.5	5	7	180		0.015		
A0053295	0.07	1.3	17	41	97		1.135		
A0053296	2.72	<0.5	<5	5	69		0.012		
A0053297	2.43	<0.5	<5	5	34		0.055		
A0053298	2.46	<0.5	<5	5	40		0.005		
A0053299	2.39	<0.5	<5	6	32		0.010		
A0053300	2.96	<0.5	<5	3	30		0.013		2.73
A0053301	2.54	<0.5	<5	4	31		0.012		
A0053302	2.54	<0.5	<5	6	39		<0.005		
A0053303	2.42	<0.5	<5	6	29		0.108		
A0053304	2.35	<0.5	<5	10	32		0.095		
A0053305	2.42	<0.5	<5	11	34		0.068		
A0053306	2.30	<0.5	<5	9	31		0.059		
A0053307	2.46	<0.5	<5	10	31		0.101		
A0053308	0.07	<0.5	<5	21	37		0.005		
A0053309	2.50	<0.5	<5	9	32		0.063		
A0053310	2.36	<0.5	<5	10	30		0.081		
A0053311	2.30	<0.5	<5	28	35		0.070		
A0053312	2.31	<0.5	<5	4	27		0.095		
A0053313	2.44	<0.5	<5	5	26		0.106		
A0053314	2.47	<0.5	<5	6	31		0.269		
A0053315	2.47	<0.5	<5	11	36		0.071		
A0053316	2.84	<0.5	5	48	121		0.038		
A0053317	2.82	<0.5	6	32	129		0.411		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 16-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269068

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
	OA-GRA08b	Zn-OG62	



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 15-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19269069

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 15-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269069

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053162		2.67	<0.5	<5	9	91	<0.005		
A0053163		2.72	<0.5	<5	27	91	<0.005		
A0053164		2.67	<0.5	<5	100	94	<0.005		
A0053165		0.07	0.7	6420	51	69	6.38	6.79	
A0053166		2.64	<0.5	10	10	93	<0.005		
A0053167		2.68	<0.5	<5	3	94	<0.005		
A0053168		2.71	<0.5	<5	34	92	<0.005		
A0053169		2.54	<0.5	<5	9	97	<0.005		
A0053170		2.49	<0.5	5	5	96	<0.005		
A0053171		2.67	<0.5	<5	15	101	<0.005		
A0053172		2.74	<0.5	<5	21	106	<0.005		
A0053173		2.62	<0.5	<5	77	106	<0.005		
A0053174		2.90	<0.5	5	73	90	<0.005		
A0053175		2.51	<0.5	6	54	90	<0.005		
A0053176		2.74	<0.5	<5	79	94	<0.005		
A0053177		2.74	<0.5	<5	13	100	<0.005	2.85	
A0053178		0.07	<0.5	<5	21	37	<0.005		
A0053179		2.57	<0.5	<5	20	98	<0.005		
A0053180		2.74	<0.5	<5	69	97	<0.005		
A0053181		2.50	<0.5	<5	44	96	<0.005		
A0053182		2.35	<0.5	<5	53	94	<0.005		
A0053183		2.59	<0.5	<5	90	99	<0.005		
A0053184		2.44	0.8	<5	449	95	0.051		
A0053185		2.53	<0.5	<5	66	88	0.005		
A0053186		2.55	<0.5	<5	4	90	<0.005		
A0053187		2.45	<0.5	5	17	90	<0.005		
A0053188		2.63	<0.5	<5	67	87	0.037		
A0053189		2.59	<0.5	<5	11	88	0.025		
A0053190		2.50	<0.5	<5	43	98	0.014		
A0053191		0.07	1.6	17	40	90	1.015		
A0053192		2.60	<0.5	<5	160	86	0.113		
A0053193		2.65	<0.5	<5	17	103	0.045		
A0053194		2.56	<0.5	<5	6	127	0.049		
A0053195		2.54	<0.5	<5	16	115	0.019		
A0053196		2.37	<0.5	10	35	96	0.028		
A0053197		2.23	<0.5	<5	11	35	0.342		
A0053198		2.38	<0.5	<5	11	42	0.012		
A0053199		2.17	<0.5	<5	11	42	<0.005	2.80	
A0053200		2.31	<0.5	<5	9	44	0.092		
A0053201		2.33	<0.5	<5	12	44	0.035		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 15-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269069

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053202		2.19	<0.5	<5	11	38	0.045		
A0053203		2.36	<0.5	<5	6	37	0.188		
A0053204		0.07	<0.5	<5	21	37	<0.005		
A0053205		2.74	<0.5	<5	4	35	0.120		
A0053206		2.24	<0.5	<5	5	34	0.298		
A0053207		2.76	<0.5	<5	3	127	0.005		
A0053208		2.44	<0.5	<5	2	132	<0.005		
A0053209		2.60	<0.5	<5	29	143	0.013		
A0053210		2.59	0.7	<5	24	122	1.210		
A0053211		2.52	<0.5	<5	33	136	<0.005		
A0053212		2.51	<0.5	<5	27	117	<0.005		
A0053213		2.44	<0.5	<5	24	142	<0.005		
A0053214		2.75	<0.5	<5	45	153	<0.005		
A0053215		2.59	<0.5	<5	82	143	<0.005		
A0053216		2.73	<0.5	<5	60	133	<0.005		
A0053217		0.07	0.9	6340	51	72	6.57	6.39	
A0053218		2.50	<0.5	9	97	140	<0.005		
A0053219		2.43	<0.5	8	102	141	<0.005		
A0053220		2.52	<0.5	<5	79	165	<0.005		
A0053221		2.55	<0.5	7	9	81	<0.005		
A0053222		2.57	<0.5	<5	78	116	0.005		
A0053223		2.69	<0.5	<5	80	125	0.010		
A0053224		2.61	<0.5	5	76	114	0.047		
A0053225		2.59	<0.5	5	83	127	0.011		
A0053226		2.52	<0.5	5	84	125	0.150		2.74
A0053227		2.57	<0.5	<5	100	133	0.166		
A0053228		2.57	<0.5	5	96	133	0.021		
A0053229		2.56	<0.5	<5	87	139	<0.005		
A0053230		0.07	<0.5	<5	22	37	<0.005		
A0053231		2.57	<0.5	<5	80	124	1.235		
A0053232		2.79	<0.5	<5	58	148	<0.005		
A0053233		2.46	<0.5	<5	15	93	<0.005		
A0053234		2.64	<0.5	<5	16	102	0.065		
A0053235		2.45	<0.5	5	17	83	<0.005		
A0053236		2.63	<0.5	<5	20	79	0.010		
A0053237		2.64	<0.5	<5	14	87	0.027		
A0053238		2.78	<0.5	5	21	76	0.026		
A0053239		2.34	<0.5	5	9	64	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 15-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269069

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19269236

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269236

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053396		2.72	<0.5	6	62	83	<0.005		
A0053397		2.85	<0.5	9	71	98	0.005		
A0053398		2.74	<0.5	11	67	99	0.018		
A0053399		0.07	1.2	20	42	95	1.085		
A0053400		2.69	<0.5	8	48	100	0.013		
A0053401		2.58	<0.5	<5	61	118	<0.005		
A0053402		2.98	<0.5	7	55	122	0.037		
A0053403		2.86	<0.5	10	60	122	0.053		
A0053404		2.59	<0.5	<5	64	131	0.031		
A0053405		2.50	<0.5	9	65	99	0.040		
A0053406		2.50	<0.5	20	50	129	0.432		
A0053407		2.93	<0.5	17	54	135	0.381		
A0053408		2.81	0.7	13	49	173	1.090		
A0053409		2.78	<0.5	18	45	964	1.655		
A0053410		2.69	<0.5	12	49	134	2.42		
A0053411		2.82	<0.5	<5	53	128	0.011		
A0053412		0.07	<0.5	<5	20	37	<0.005		
A0053413		2.69	<0.5	8	87	175	2.64		
A0053414		2.82	<0.5	<5	66	114	0.006		
A0053415		2.02	<0.5	6	55	281	0.080		
A0053416		3.34	<0.5	7	6	32	6.23	3.41	
A0053417		2.59	<0.5	<5	7	55	0.848		
A0053418		2.58	<0.5	<5	6	24	0.145		
A0053419		2.50	<0.5	<5	7	23	0.560		
A0053420		2.06	<0.5	6	14	94	0.693		
A0053421		1.13	<0.5	5	16	40	0.186		
A0053422		2.03	<0.5	<5	69	89	0.013		
A0053423		1.63	<0.5	8	76	119	<0.005		
A0053424		2.29	<0.5	11	107	127	0.012		
A0053425		0.07	0.5	6260	49	69	6.72	6.53	
A0053426		2.57	<0.5	12	42	83	0.010		
A0053427		2.64	<0.5	<5	24	130	<0.005		
A0053428		2.57	<0.5	7	35	116	<0.005		
A0053429		2.18	<0.5	5	11	149	<0.005		
A0053430		2.43	<0.5	5	44	160	0.006		
A0053431		2.79	<0.5	6	81	405	0.057		2.72
A0053432		2.28	<0.5	7	32	227	0.015		
A0053433		2.76	<0.5	5	45	177	0.094		
A0053434		2.75	<0.5	10	36	214	0.187		
A0053435		2.53	<0.5	5	35	186	0.007		2.86



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269236

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053436		2.27	<0.5	<5	45	157	0.011		
A0053437		2.70	<0.5	6	41	145	0.355		
A0053438		0.07	<0.5	<5	20	37	<0.005		
A0053439		2.43	0.6	11	36	144	3.02	2.27	
A0053440		1.22	<0.5	<5	42	133	0.007		
A0053441		1.69	<0.5	6	43	162	0.425		
A0053442		2.07	<0.5	5	47	147	0.013		
A0053443		2.37	<0.5	6	61	138	0.058		
A0053444		2.52	<0.5	12	62	129	0.013	2.86	
A0053445		2.08	<0.5	5	74	133	<0.005		
A0053446		2.40	<0.5	9	78	107	0.012		
A0053447		2.07	<0.5	<5	51	103	<0.005		
A0053448		2.07	<0.5	5	81	93	<0.005		
A0053449		1.96	<0.5	<5	87	74	0.005		
A0053450		1.33	<0.5	6	54	52	0.030		
A0053451		0.07	1.2	18	43	93	1.070		
A0053452		2.40	<0.5	8	34	86	0.005		
A0053453		2.43	<0.5	6	134	108	<0.005		
A0053454		2.24	<0.5	<5	39	125	<0.005		
A0053455		2.30	<0.5	<5	55	133	<0.005		
A0053456		2.61	<0.5	<5	60	116	<0.005	2.86	
A0053457		2.43	<0.5	5	56	117	<0.005		
A0053458		2.30	<0.5	<5	65	120	<0.005		
A0053459		2.80	<0.5	<5	74	113	<0.005		
A0053460		2.27	<0.5	<5	78	130	<0.005		
A0053461		2.37	<0.5	6	59	111	<0.005		
A0053462		2.39	<0.5	<5	77	117	<0.005		
A0053463		2.26	<0.5	<5	45	106	<0.005		
A0053464		0.07	<0.5	<5	21	37	<0.005		
A0053465		2.55	<0.5	5	68	105	0.006		
A0053466		1.50	<0.5	<5	19	98	<0.005		
A0053467		1.40	<0.5	6	58	69	0.011		
A0053468		2.05	<0.5	<5	65	116	<0.005		
A0053469		2.76	<0.5	7	70	106	<0.005		
A0053470		2.52	<0.5	<5	43	114	<0.005		
A0053471		2.49	<0.5	<5	51	96	<0.005		
A0053472		2.49	<0.5	<5	83	109	0.005		
A0053473		2.50	<0.5	8	44	90	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269236

	CERTIFICATE COMMENTS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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: 33%;">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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 33%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19269237

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269237

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053474		2.68	<0.5	<5	40	103	<0.005		
A0053475		2.66	<0.5	<5	31	98	<0.005		
A0053476		2.65	<0.5	<5	41	86	<0.005		
A0053477		0.07	0.9	5890	50	69		6.61	
A0053478		2.65	<0.5	9	30	91	<0.005		
A0053479		2.62	<0.5	7	38	97	<0.005		
A0053480		2.55	<0.5	7	29	99	<0.005		
A0053481		2.57	<0.5	<5	59	92	<0.005		
A0053482		2.61	<0.5	<5	53	94	<0.005		
A0053483		2.63	<0.5	<5	37	82	<0.005		
A0053484		2.73	<0.5	6	45	92	<0.005		
A0053485		2.59	<0.5	8	81	88	0.005		
A0053486		2.70	<0.5	<5	54	98	0.005		
A0053487		2.59	<0.5	6	36	99	0.005		
A0053488		2.63	<0.5	8	27	91	0.005		
A0053489		2.57	<0.5	7	36	112	0.008		
A0053490		0.07	<0.5	<5	20	37	<0.005		
A0053491		2.66	<0.5	6	54	78	0.007	2.77	
A0053492		2.65	<0.5	6	42	89	0.023		
A0053493		2.67	<0.5	<5	62	113	0.010		
A0053494		2.77	<0.5	6	57	85	0.009		
A0053495		2.66	<0.5	24	63	119	0.016		
A0053496		2.64	<0.5	6	48	126	<0.005		
A0053497		2.55	<0.5	7	36	130	<0.005		
A0053498		2.76	<0.5	8	56	256	0.013		
A0053499		2.60	<0.5	15	38	319	0.494		
A0053500		2.55	<0.5	5	9	192	0.007		
A0053501		2.54	<0.5	53	39	456	0.680		
A0053502		2.59	<0.5	30	22	285	0.031		
A0053503		0.07	1.3	15	48	88	1.010		
A0053504		2.59	<0.5	20	7	134	0.564		
A0053505		2.54	<0.5	16	14	142	0.006		
A0053506		2.58	<0.5	13	28	143	0.009		
A0053507		2.46	<0.5	15	34	128	0.191		
A0053508		2.61	<0.5	12	7	135	<0.005		
A0053509		2.51	<0.5	<5	12	94	<0.005		
A0053510		2.49	<0.5	18	42	204	0.086		
A0053511		2.56	<0.5	6	20	194	<0.005		
A0053512		2.76	<0.5	8	47	248	0.013		
A0053513		2.59	<0.5	24	54	271	4.06	5.15	



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269237

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053514		2.69	<0.5	23	30	141	0.760		
A0053515		2.66	<0.5	11	31	284	0.206		
A0053516		0.07	<0.5	<5	21	39	<0.005		
A0053517		2.54	<0.5	9	9	167	0.253		
A0053518		2.60	<0.5	6	5	194	0.008		
A0053519		2.71	<0.5	10	5	201	<0.005		
A0053520		2.49	<0.5	5	5	191	0.769		
A0053521		2.76	<0.5	7	4	214	0.006		
A0053522		2.85	<0.5	6	3	226	0.009		
A0053523		2.33	<0.5	7	5	213	0.777		
A0053524		2.63	<0.5	10	5	128	0.086		
A0053525		2.71	<0.5	<5	5	257	0.009		
A0053526		2.50	<0.5	8	5	177	0.331		
A0053527		2.74	<0.5	10	3	153	0.006		
A0053528		1.21	<0.5	30	6	141	0.010		
A0053529		0.07	1.0	6670	51	71	6.43	6.26	
A0053530		1.43	<0.5	45	4	132	0.017		
A0053531		2.49	<0.5	18	5	154	0.021		
A0053532		2.72	<0.5	17	2	165	0.005		
A0053533		2.66	<0.5	20	<1	130	0.006		
A0053534		2.66	<0.5	26	3	171	0.011		
A0053535		2.51	<0.5	14	1	127	0.007	2.79	
A0053536		2.53	<0.5	13	9	210	<0.005		
A0053537		2.62	<0.5	12	16	196	0.007		
A0053538		2.67	<0.5	15	19	151	0.022		
A0053539		3.08	<0.5	10	14	168	0.005		
A0053540		2.71	<0.5	15	62	153	0.011		
A0053541		2.38	<0.5	7	20	168	<0.005		
A0053542		0.07	<0.5	<5	19	38	<0.005		
A0053543		2.70	<0.5	10	35	151	0.006		
A0053544		2.66	<0.5	<5	40	140	<0.005		
A0053545		2.65	<0.5	6	32	125	<0.005		
A0053546		2.67	<0.5	10	26	136	0.006		
A0053547		2.56	<0.5	11	48	169	0.012		
A0053548		2.54	<0.5	11	42	265	0.009		
A0053549		2.61	<0.5	7	27	290	0.006		
A0053550		2.69	<0.5	6	50	251	0.006		
A0053551		2.54	<0.5	<5	116	183	0.011		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 16-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269237

	CERTIFICATE COMMENTS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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: 33%;">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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 33%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19269238

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269238

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
A0053552		2.64	<0.5	5	80	177	0.006		
A0053553		2.53	<0.5	5	36	148	0.008		
A0053554		2.75	<0.5	<5	31	131	0.007		
A0053555		0.07	1.4	18	47	97	1.055		
A0053556		2.73	<0.5	<5	24	134	<0.005		
A0053557		1.21	<0.5	<5	21	120	<0.005		
A0053558		1.46	<0.5	<5	49	119	<0.005		
A0053559		2.72	<0.5	<5	36	114	<0.005		
A0053560		2.69	<0.5	<5	41	111	<0.005		2.74
A0053561		1.83	<0.5	<5	47	111	<0.005		
A0053562		1.66	<0.5	<5	53	110	<0.005		
A0053563		2.31	<0.5	<5	63	102	<0.005		
A0053564		2.10	<0.5	5	47	142	<0.005		
A0053565		2.61	<0.5	<5	13	133	<0.005		
A0053566		2.76	<0.5	<5	60	128	<0.005		
A0053567		2.67	<0.5	5	10	132	<0.005		
A0053568		0.07	<0.5	<5	22	36	<0.005		
A0053569		2.74	<0.5	<5	8	118	<0.005		
A0053570		2.66	<0.5	5	28	92	<0.005		
A0053571		2.75	<0.5	<5	47	87	0.005		
A0053572		2.31	<0.5	<5	46	88	<0.005		
A0053573		2.29	<0.5	<5	31	89	<0.005		
A0053574		3.18	<0.5	<5	54	95	<0.005		
A0053575		2.77	<0.5	6	174	97	<0.005		
A0053576		2.80	<0.5	<5	75	104	<0.005		
A0053577		2.47	<0.5	10	19	86	0.741		
A0053578		3.27	<0.5	5	6	90	1.830		
A0053579		1.73	<0.5	<5	12	92	0.977		
A0053580		2.70	<0.5	<5	26	92	0.038		2.84
A0053581		0.07	0.6	6550	53	69	7.00	6.69	
A0053582		2.78	<0.5	5	35	96	0.006		
A0053583		2.62	<0.5	<5	17	86	<0.005		
A0053584		2.71	<0.5	<5	6	117	<0.005		
A0053585		2.67	<0.5	<5	8	114	0.007		
A0053586		2.71	<0.5	<5	32	115	<0.005		
A0053587		2.74	<0.5	<5	34	118	0.106		
A0053588		2.74	<0.5	<5	17	117	<0.005		
A0053589		2.87	<0.5	<5	5	120	<0.005		
A0053590		2.42	<0.5	<5	3	117	<0.005		
A0053591		2.53	<0.5	<5	5	115	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 17-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269238

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0053592	2.65	<0.5	<5	7	121	<0.005		2.87
A0053593	2.58	<0.5	<5	16	126	<0.005		
A0053594	0.07	<0.5	<5	22	37	<0.005		
A0053595	2.85	<0.5	<5	197	137	<0.005		
A0053596	2.53	<0.5	<5	201	112	0.007		
A0053597	2.80	<0.5	<5	11	101	<0.005		
A0053598	2.29	<0.5	<5	2	104	<0.005		
A0053599	3.09	<0.5	<5	2	99	<0.005		
A0053600	2.66	<0.5	<5	1	102	<0.005		
A0053601	2.69	<0.5	<5	6	104	<0.005		
A0053602	2.70	<0.5	<5	2	112	<0.005		
A0053603	1.92	<0.5	<5	4	121	<0.005		
A0053604	3.57	<0.5	<5	34	103	0.043		
A0053605	2.52	<0.5	<5	1	101	<0.005		
A0053606	2.39	<0.5	<5	21	93	<0.005		
A0053607	0.07	1.6	17	41	87	1.030		
A0053608	2.36	<0.5	<5	17	97	<0.005		
A0053609	2.73	<0.5	<5	4	103	<0.005		
A0053610	3.20	<0.5	<5	20	95	<0.005		
A0053611	2.33	<0.5	<5	15	122	<0.005		
A0053612	3.11	<0.5	<5	10	33	0.237		
A0053613	2.70	<0.5	<5	12	49	0.012		
A0053614	2.74	<0.5	<5	11	47	0.005		2.80
A0053615	2.68	<0.5	<5	10	38	<0.005		
A0053616	2.76	<0.5	<5	9	38	0.007		
A0053617	3.08	<0.5	<5	8	36	0.115		
A0053618	2.22	<0.5	<5	11	37	0.018		
A0053619	2.49	<0.5	<5	15	40	0.010		
A0053620	0.07	<0.5	<5	22	37	<0.005		
A0053621	2.67	<0.5	<5	10	37	0.031		
A0053622	2.20	<0.5	<5	7	32	0.749		
A0053623	2.63	<0.5	<5	24	113	0.618		
A0053624	2.83	<0.5	<5	7	207	<0.005		
A0053625	2.24	<0.5	8	19	1050	0.022		
A0053626	2.17	<0.5	<5	48	171	0.008		
A0053627	2.32	<0.5	5	136	119	0.050		
A0053628	2.65	0.6	7	55	151	0.010		
A0053629	1.63	<0.5	<5	6	161	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 17-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19269238

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19273836

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273836

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0053786	2.72	<0.5	9	65	160	0.157		
A0053787	2.63	<0.5	6	37	163	0.008		
A0053788	2.71	<0.5	5	40	147	0.007		
A0053789	0.07	0.7	6300	53	71	6.32	6.63	
A0053790	2.66	<0.5	12	44	183	0.009		
A0053791	2.73	<0.5	10	77	169	0.901		
A0053792	2.81	<0.5	13	61	159	1.540		
A0053793	2.74	<0.5	9	53	195	0.011		
A0053794	2.53	<0.5	8	73	186	0.006		
A0053795	3.34	<0.5	9	48	120	0.012		
A0053796	2.70	<0.5	<5	28	102	0.044		
A0053797	2.81	<0.5	15	68	152	0.251		
A0053798	2.85	<0.5	7	52	141	<0.005		
A0053799	2.92	<0.5	11	55	164	<0.005		
A0053800	2.78	<0.5	5	27	110	0.010		
A0053801	2.75	<0.5	<5	29	84	<0.005		
A0053802	0.07	<0.5	7	22	37	<0.005		
A0053803	1.39	<0.5	<5	36	94	0.037		
A0053804	2.78	<0.5	7	59	130	<0.005		
A0053805	2.58	<0.5	5	62	125	<0.005		
A0053806	2.72	<0.5	6	42	109	<0.005		
A0053807	1.37	<0.5	5	46	113	<0.005		
A0053808	3.02	<0.5	8	52	110	<0.005		
A0053809	2.74	<0.5	8	52	103	<0.005		
A0053810	2.72	<0.5	7	52	104	<0.005		
A0053811	2.88	<0.5	<5	57	85	<0.005		
A0053812	2.79	<0.5	<5	56	102	<0.005		
A0053813	2.81	<0.5	<5	66	94	<0.005		
A0053814	2.84	<0.5	<5	50	98	0.032		
A0053815	0.07	1.0	17	42	90	1.075		
A0053816	2.83	<0.5	<5	53	106	<0.005		
A0053817	3.12	<0.5	<5	54	97	0.045		
A0053818	3.09	<0.5	7	219	105	0.582		
A0053819	2.24	<0.5	<5	58	106	<0.005		
A0053820	2.72	<0.5	<5	25	63	<0.005		
A0053821	2.86	<0.5	6	67	115	<0.005		
A0053822	2.67	<0.5	5	67	101	<0.005		
A0053823	3.01	<0.5	<5	72	101	<0.005		
A0053824	2.60	<0.5	<5	65	102	<0.005		
A0053825	2.70	<0.5	<5	60	104	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273836

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0053826	2.14	<0.5	5	54	97	0.074		
A0053827	2.77	0.7	9	54	100	0.549		
A0053828	0.07	<0.5	<5	21	37	<0.005		
A0053829	2.31	<0.5	<5	6	29	0.257		
A0053830	2.48	<0.5	<5	7	25	0.257		2.81
A0053831	2.27	<0.5	<5	6	25	0.178		
A0053832	2.27	<0.5	6	6	27	0.221		
A0053833	2.27	<0.5	<5	6	27	0.389		
A0053834	1.55	<0.5	<5	6	28	0.271		
A0053835	1.42	<0.5	<5	8	45	0.093		
A0053836	1.64	<0.5	<5	69	150	0.258		
A0053837	2.62	<0.5	<5	89	151	0.035		
A0053838	2.52	<0.5	<5	72	175	0.274		
A0053839	2.63	0.7	<5	112	171	0.190		
A0053840	2.64	<0.5	<5	93	121	0.134		
A0053841	0.07	<0.5	6100	50	68	6.80	6.59	
A0053842	2.68	<0.5	8	70	105	0.120		
A0053843	2.52	<0.5	5	97	100	0.035		2.76
A0053844	2.68	0.7	8	99	94	1.085		
A0053845	2.56	16.5	10	100	110	4.58	4.76	
A0053846	1.70	<0.5	<5	61	129	0.031		
A0053847	2.48	<0.5	<5	9	35	0.057		
A0053848	1.07	<0.5	<5	3	18	0.005		
A0053849	2.35	<0.5	<5	2	17	0.113		2.78
A0053850	2.46	<0.5	<5	5	21	0.023		
A0053851	2.24	<0.5	<5	6	18	0.113		
A0053852	2.78	<0.5	<5	5	27	0.020		
A0053853	2.21	<0.5	10	55	137	0.069		
A0053854	0.07	<0.5	5	22	35	<0.005		
A0053855	2.08	<0.5	8	73	250	0.049		
A0053856	2.55	<0.5	<5	16	107	<0.005		
A0053857	1.58	<0.5	5	41	117	0.005		
A0053858	1.78	<0.5	<5	78	116	0.007		
A0053859	2.26	<0.5	<5	11	72	<0.005		
A0053860	2.06	<0.5	6	96	101	0.062		
A0053861	2.73	<0.5	<5	78	141	0.007		
A0053862	2.59	<0.5	<5	83	143	0.043		
A0053863	2.76	<0.5	<5	64	136	<0.005		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 23-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273836

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19273838

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273838

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0053708	2.36	<0.5	<5	4	18	0.019		
A0053709	2.59	<0.5	<5	3	18	0.018		
A0053710	3.21	<0.5	<5	9	22	0.152		
A0053711	0.07	1.5	16	42	94	1.030		
A0053712	2.46	0.6	9	26	134	0.597		
A0053713	2.77	<0.5	<5	40	211	0.073		
A0053714	2.66	<0.5	<5	36	196	<0.005		
A0053715	2.69	<0.5	<5	36	166	<0.005		
A0053716	2.61	<0.5	<5	30	149	<0.005		
A0053717	2.83	<0.5	<5	35	167	<0.005		
A0053718	2.71	<0.5	<5	31	170	<0.005		
A0053719	2.83	<0.5	<5	18	219	<0.005		
A0053720	2.64	<0.5	<5	29	207	<0.005		
A0053721	2.74	<0.5	<5	43	139	<0.005		
A0053722	2.61	<0.5	<5	23	133	<0.005		
A0053723	2.72	<0.5	<5	26	135	<0.005		2.75
A0053724	0.07	<0.5	<5	24	38	<0.005		
A0053725	2.66	<0.5	<5	40	155	<0.005		
A0053726	2.70	<0.5	<5	41	179	<0.005		
A0053727	2.75	<0.5	<5	36	208	<0.005		
A0053728	2.75	<0.5	<5	39	178	<0.005		
A0053729	2.69	<0.5	<5	35	195	<0.005		
A0053730	3.00	<0.5	<5	33	186	<0.005		
A0053731	3.09	<0.5	<5	39	185	0.065		
A0053732	2.64	<0.5	<5	35	270	0.005		
A0053733	2.74	<0.5	<5	40	246	0.009		
A0053734	2.88	<0.5	<5	32	159	<0.005		
A0053735	2.82	<0.5	<5	34	126	0.012		
A0053736	2.57	<0.5	5	29	133	<0.005		2.83
A0053737	0.07	0.6	6430	51	72	6.66	6.07	
A0053738	2.83	<0.5	7	47	141	<0.005		
A0053739	2.99	<0.5	7	39	118	0.007		
A0053740	2.91	<0.5	<5	40	139	<0.005		
A0053741	2.97	<0.5	7	29	109	0.180		
A0053742	2.75	<0.5	12	35	131	<0.005		
A0053743	2.73	<0.5	16	27	112	<0.005		
A0053744	2.89	<0.5	13	39	121	<0.005		
A0053745	2.88	<0.5	8	36	129	<0.005		
A0053746	2.81	<0.5	5	47	152	<0.005		
A0053747	3.00	<0.5	5	32	162	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273838

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053748		2.81	<0.5	9	33	125	<0.005		
A0053749		2.99	<0.5	9	29	125	<0.005		
A0053750		0.07	<0.5	<5	21	37	<0.005		
A0053751		2.90	<0.5	9	39	119	<0.005		
A0053752		2.81	<0.5	7	34	108	<0.005		
A0053753		3.53	<0.5	7	43	115	<0.005		
A0053754		2.59	<0.5	5	38	133	<0.005		
A0053755		2.88	<0.5	<5	33	132	<0.005		
A0053756		2.87	<0.5	<5	30	129	<0.005		
A0053757		2.93	<0.5	5	26	127	0.124		
A0053758		2.87	<0.5	<5	32	135	<0.005		
A0053759		2.92	<0.5	<5	26	157	<0.005		
A0053760		1.36	<0.5	<5	29	207	<0.005		
A0053761		2.01	<0.5	5	20	209	<0.005		2.73
A0053762		2.44	<0.5	<5	23	188	<0.005		
A0053763		0.07	1.3	14	41	90	1.075		
A0053764		2.92	<0.5	<5	59	172	0.028		
A0053765		2.71	<0.5	<5	36	168	<0.005		
A0053766		3.10	<0.5	<5	28	214	<0.005		
A0053767		3.07	0.6	5	132	683	0.007		
A0053768		3.16	<0.5	<5	77	226	<0.005		2.83
A0053769		2.34	<0.5	8	64	158	<0.005		
A0053770		2.92	<0.5	5	58	153	<0.005		
A0053771		2.87	<0.5	5	48	168	<0.005		2.78
A0053772		2.79	<0.5	7	57	162	<0.005		
A0053773		2.91	<0.5	7	76	125	0.005		
A0053774		2.86	<0.5	7	76	160	0.005		
A0053775		2.66	<0.5	8	82	165	<0.005		
A0053776		0.07	<0.5	<5	24	38	<0.005		
A0053777		2.29	<0.5	<5	54	150	<0.005		
A0053778		3.38	<0.5	7	72	122	0.006		
A0053779		2.77	<0.5	8	64	113	<0.005		
A0053780		2.86	<0.5	<5	24	90	<0.005		2.75
A0053781		2.65	<0.5	<5	18	98	<0.005		
A0053782		3.14	<0.5	<5	73	127	<0.005		
A0053783		2.70	<0.5	<5	13	84	<0.005		
A0053784		2.99	<0.5	5	49	169	<0.005		
A0053785		2.71	<0.5	<5	29	114	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273838

	CERTIFICATE COMMENTS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 15%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19273839

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 30-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273839

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053630		2.76	<0.5	<5	40	123	0.006		
A0053631		2.93	<0.5	<5	13	121	<0.005		
A0053632		2.77	<0.5	<5	22	120	<0.005		2.82
A0053633		0.07	0.9	6290	49	70	6.31	7.46	
A0053634		2.80	<0.5	6	45	135	<0.005		
A0053635		3.20	<0.5	<5	5	137	<0.005		
A0053636		2.12	<0.5	<5	7	133	<0.005		
A0053637		2.70	<0.5	<5	8	126	<0.005		
A0053638		2.68	<0.5	<5	7	138	<0.005		
A0053639		2.68	<0.5	<5	7	138	<0.005		
A0053640		2.42	<0.5	<5	5	155	0.015		
A0053641		2.33	<0.5	<5	5	123	0.015		
A0053642		2.40	<0.5	<5	3	138	0.065		
A0053643		2.44	<0.5	<5	3	148	0.005		
A0053644		2.31	<0.5	<5	3	173	<0.005		
A0053645		2.59	<0.5	<5	3	122	<0.005		
A0053646		0.07	<0.5	<5	21	37	<0.005		
A0053647		2.91	<0.5	<5	2	115	0.014		
A0053648		1.39	<0.5	<5	26	113	0.005		
A0053649		2.52	<0.5	7	19	196	2.05		
A0053650		1.23	<0.5	<5	42	282	0.014		
A0053651		2.86	1.8	23	136	189	7.73	7.72	
A0053652		2.72	2.1	18	184	4290	0.339		
A0053653		2.91	<0.5	<5	24	137	0.089		
A0053654		2.58	<0.5	<5	15	99	0.013		
A0053655		2.09	<0.5	<5	12	111	0.019		
A0053656		1.37	0.5	8	88	124	7.04	6.08	
A0053657		0.07	<0.5	6	21	36	0.005		
A0053658		1.04	0.8	<5	270	137	1.015		
A0053659		0.07	<0.5	6	21	36	<0.005		
A0053660		2.36	<0.5	7	171	88	6.36	4.41	
A0053661		2.17	<0.5	5	270	105	0.028		
A0053662		1.97	<0.5	<5	242	109	<0.005		
A0053663		2.34	<0.5	<5	108	116	<0.005		2.81
A0053664		0.07	97.3	223	4530	3810	>10.0	26.7	
A0053665		2.67	<0.5	<5	53	108	0.007		
A0053666		2.68	<0.5	5	22	122	<0.005		
A0053667		2.70	<0.5	<5	13	130	<0.005		
A0053668		2.38	<0.5	<5	35	128	<0.005		
A0053669		3.10	<0.5	<5	12	118	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 23-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19273839

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053670		2.81	<0.5	6	11	81	0.008		
A0053671		2.50	<0.5	<5	17	85	0.627		
A0053672		0.07	<0.5	<5	21	36	<0.005		
A0053673		2.76	<0.5	<5	5	96	0.144		
A0053674		2.70	<0.5	<5	15	94	<0.005		
A0053675		2.78	<0.5	<5	9	87	<0.005		
A0053676		2.75	<0.5	<5	13	78	0.032		
A0053677		2.37	<0.5	<5	2	84	0.006		
A0053678		2.92	<0.5	<5	44	109	<0.005		
A0053679		2.77	<0.5	<5	93	113	<0.005		
A0053680		2.77	<0.5	<5	100	130	<0.005		
A0053681		2.87	<0.5	5	78	140	<0.005		
A0053682		2.64	<0.5	<5	89	123	<0.005		
A0053683		2.82	<0.5	<5	96	119	<0.005		
A0053684		2.73	<0.5	<5	91	116	<0.005		
A0053685		0.07	0.7	6280	51	71	6.55	6.01	
A0053686		2.78	<0.5	11	105	135	0.033		
A0053687		2.67	<0.5	7	104	119	<0.005		
A0053688		2.95	<0.5	<5	82	126	0.005		
A0053689		2.89	<0.5	<5	82	137	<0.005		
A0053690		2.88	<0.5	<5	74	139	<0.005		2.84
A0053691		2.88	<0.5	<5	92	132	0.041		
A0053692		2.81	<0.5	8	86	140	<0.005		
A0053693		2.79	<0.5	10	14	36	2.18		
A0053694		2.69	<0.5	<5	3	60	0.005		
A0053695		2.81	<0.5	7	16	44	1.250		
A0053696		2.43	<0.5	5	10	26	2.05		
A0053697		2.60	<0.5	5	3	27	0.139		
A0053698		0.07	<0.5	<5	21	35	<0.005		
A0053699		2.85	<0.5	<5	6	28	0.077		
A0053700		2.78	<0.5	<5	4	28	0.306		2.79
A0053701		2.64	<0.5	5	4	28	0.492		
A0053702		2.77	<0.5	<5	6	24	0.161		
A0053703		2.88	<0.5	<5	14	28	0.145		
A0053704		2.68	<0.5	<5	21	26	0.294		
A0053705		2.89	<0.5	<5	3	19	0.108		
A0053706		2.52	<0.5	<5	8	18	0.069		
A0053707		3.11	<0.5	<5	2	17	0.111		



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 29-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19275155

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 31-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 29-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275155

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054020		2.97	<0.5	6	10	109	<0.005		
A0054021		1.70	<0.5	<5	4	112	<0.005		
A0054022		2.24	<0.5	<5	6	22	0.013		
A0054023		0.07	<0.5	6490	54	73	6.82	6.20	
A0054024		2.82	<0.5	<5	4	22	0.007		2.75
A0054025		2.44	<0.5	<5	5	23	0.013		
A0054026		1.94	<0.5	6	53	104	0.605		
A0054027		2.84	<0.5	7	32	130	<0.005		
A0054028		2.97	<0.5	6	19	109	0.006		
A0054029		2.81	<0.5	6	26	116	0.884		
A0054030		3.00	<0.5	<5	28	146	0.015		
A0054031		2.89	<0.5	<5	10	99	0.027		
A0054032		2.74	<0.5	<5	21	92	0.100		
A0054033		2.43	<0.5	<5	75	106	5.34	5.84	
A0054034		3.74	<0.5	<5	19	123	0.009		
A0054035		3.04	<0.5	<5	6	107	0.017		
A0054036		0.07	<0.5	<5	24	39	0.005		
A0054037		2.81	<0.5	<5	5	119	0.104		
A0054038		2.92	<0.5	<5	8	130	0.041		
A0054039		3.04	<0.5	<5	7	108	0.103		
A0054040		2.99	<0.5	<5	15	127	<0.005		
A0054041		3.00	<0.5	6	22	103	0.067		2.73
A0054042		2.94	<0.5	<5	5	97	0.103		
A0054043		2.97	<0.5	6	4	109	<0.005		
A0054044		3.10	<0.5	<5	7	117	0.006		
A0054045		2.93	<0.5	6	33	122	0.005		
A0054046		2.85	<0.5	<5	54	111	0.009		
A0054047		3.09	<0.5	5	28	101	0.006		
A0054048		3.09	<0.5	<5	33	98	<0.005		
A0054049		0.07	1.4	16	41	90	1.050		
A0054050		2.94	<0.5	5	44	103	0.062		
A0054051		2.98	<0.5	<5	42	116	0.005		
A0054052		2.92	<0.5	<5	24	104	0.381		
A0054053		2.70	<0.5	<5	19	108	0.005		
A0054054		2.09	<0.5	<5	18	114	0.009		
A0054055		1.81	<0.5	<5	15	114	0.171		
A0054056		1.79	<0.5	<5	5	32	0.013		
A0054057		2.37	<0.5	<5	9	25	0.017		2.80
A0054058		1.88	<0.5	<5	7	25	0.033		
A0054059		3.04	<0.5	<5	12	79	0.444		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 29-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275155

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054060		3.01	<0.5	<5	23	102	0.028		
A0054061		2.79	<0.5	<5	51	121	0.032		
A0054062		0.07	<0.5	<5	21	36	<0.005		
A0054063		2.99	<0.5	<5	15	42	0.159		
A0054064		2.56	<0.5	<5	5	25	0.073		
A0054065		2.80	<0.5	<5	7	27	0.909		
A0054066		2.35	<0.5	<5	5	21	0.219		
A0054067		2.75	<0.5	5	5	24	0.092		
A0054068		2.91	<0.5	<5	4	27	0.164		
A0054069		2.67	<0.5	<5	5	22	0.084		
A0054070		2.58	<0.5	<5	8	24	0.065		2.76
A0054071		2.84	<0.5	<5	4	23	0.022		
A0054072		2.66	<0.5	<5	7	23	0.010		
A0054073		3.18	<0.5	<5	8	23	0.036		
A0054074		2.13	<0.5	<5	88	92	3.03	2.45	
A0054075		0.07	0.8	6230	51	69	6.34	5.91	
A0054076		2.87	<0.5	7	88	100	0.018		
A0054077		2.82	<0.5	7	83	122	0.112		
A0054078		2.87	<0.5	<5	78	131	0.006		
A0054079		2.64	<0.5	<5	100	119	0.005		
A0054080		3.64	<0.5	<5	91	111	0.017		
A0054081		2.08	<0.5	7	139	129	<0.005		
A0054082		2.85	<0.5	<5	37	107	<0.005		
A0054083		2.96	<0.5	<5	33	134	<0.005		
A0054084		3.19	<0.5	<5	85	114	<0.005		
A0054085		3.04	<0.5	<5	72	118	<0.005		
A0054086		2.61	<0.5	5	91	126	<0.005		
A0054087		2.80	<0.5	<5	85	132	<0.005		
A0054088		0.07	<0.5	<5	22	36	<0.005		
A0054089		2.97	<0.5	<5	91	118	<0.005		2.64
A0054090		2.63	<0.5	<5	81	120	0.009		
A0054091		3.12	<0.5	6	69	89	0.007		
A0054092		2.95	<0.5	5	115	111	0.014		
A0054093		2.93	<0.5	<5	84	103	0.085		
A0054094		2.69	<0.5	<5	77	119	0.007		
A0054095		1.71	<0.5	<5	104	115	0.008		
A0054096		2.78	<0.5	6	70	125	<0.005		
A0054097		3.04	<0.5	<5	64	127	<0.005		2.74



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

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 29-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275155

	CERTIFICATE COMMENTS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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: 33%;">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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 33%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19275156

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 31-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275156

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053864		2.69	<0.5	<5	81	160	<0.005		
A0053865		2.55	<0.5	<5	77	150	0.007		
A0053866		2.89	<0.5	6	63	99	0.011		
A0053867		0.07	0.7	6370	53	69	6.33	6.45	
A0053868		2.46	<0.5	12	92	149	0.005		
A0053869		2.60	<0.5	<5	85	125	<0.005		
A0053870		2.74	<0.5	5	89	130	<0.005		
A0053871		2.59	<0.5	<5	87	137	<0.005		
A0053872		2.67	<0.5	<5	85	139	<0.005		
A0053873		2.61	<0.5	<5	87	142	<0.005		
A0053874		2.58	<0.5	<5	162	153	<0.005		2.86
A0053875		2.59	<0.5	<5	70	166	<0.005		
A0053876		2.84	<0.5	<5	72	168	0.005		
A0053877		2.51	<0.5	7	76	127	0.006		
A0053878		2.57	<0.5	<5	75	151	0.011		
A0053879		2.85	<0.5	9	72	138	0.016		
A0053880		0.07	<0.5	<5	20	36	0.007		
A0053881		2.73	<0.5	6	111	133	0.012		
A0053882		2.69	<0.5	7	26	685	0.022		
A0053883		2.84	<0.5	6	21	136	0.076		
A0053884		2.93	<0.5	<5	15	132	0.024		
A0053885		1.55	<0.5	6	14	112	0.471		
A0053886		2.09	<0.5	5	32	116	0.031		
A0053887		1.89	<0.5	7	83	218	0.010		
A0053888		2.91	<0.5	10	80	114	1.175		
A0053889		1.59	1.2	10	16	28	4.90	5.90	
A0053890		1.07	<0.5	<5	40	57	1.610		
A0053891		2.59	<0.5	10	17	44	0.980		
A0053892		2.08	<0.5	18	18	71	0.267		
A0053893		0.07	1.6	16	40	87	1.090		
A0053894		1.63	<0.5	17	20	80	0.013		
A0053895		3.31	<0.5	7	44	117	0.005		
A0053896		4.33	<0.5	<5	79	125	0.006		
A0053897		2.81	<0.5	<5	77	113	0.005		
A0053898		2.88	<0.5	<5	90	146	0.005		
A0053899		2.72	<0.5	<5	12	29	0.059		
A0053900		2.74	<0.5	<5	10	25	0.046		
A0053901		2.58	<0.5	<5	9	24	0.044		
A0053902		2.48	<0.5	6	9	21	0.358		2.76
A0053903		2.71	<0.5	9	9	21	0.200		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 22-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275156

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053904		1.67	0.7	5	14	29	1.670		
A0053905		2.20	<0.5	10	87	97	1.390		
A0053906		0.07	<0.5	5	22	39	0.006		
A0053907		1.55	<0.5	9	63	383	1.230		
A0053908		2.64	<0.5	<5	78	107	0.021		
A0053909		2.76	<0.5	<5	74	94	0.236		
A0053910		2.87	<0.5	9	94	133	0.005		
A0053911		1.98	<0.5	6	74	116	0.006		
A0053912		2.00	<0.5	6	71	439	0.340		
A0053913		1.53	<0.5	18	21	83	0.525		
A0053914		2.49	<0.5	16	26	87	0.029		
A0053915		3.20	<0.5	11	60	108	0.272		
A0053916		3.08	<0.5	<5	99	138	0.011		
A0053917		2.72	<0.5	6	58	106	2.30		
A0053918		2.86	0.5	17	60	66	1.155		
A0053919		0.07	0.7	6250	51	68	6.33	6.23	
A0053920		3.06	<0.5	7	94	127	0.144		
A0053921		2.82	<0.5	7	97	151	0.008		
A0053922		2.87	<0.5	8	80	149	0.006		
A0053923		3.03	0.6	12	60	172	1.410		
A0053924		2.86	<0.5	5	20	534	0.102		
A0053925		2.82	<0.5	8	11	265	0.287		
A0053926		2.85	<0.5	5	6	80	0.017		
A0053927		2.74	<0.5	10	20	180	0.599		
A0053928		2.74	<0.5	6	69	149	0.056		
A0053929		3.02	<0.5	<5	97	130	0.014		
A0053930		3.08	<0.5	6	77	120	2.52		
A0053931		1.50	<0.5	5	91	135	0.012		
A0053932		0.07	<0.5	<5	26	37	<0.005		
A0053933		1.65	<0.5	6	101	123	0.010		
A0053934		3.27	<0.5	7	131	127	0.011		
A0053935		3.07	<0.5	5	144	123	0.005		
A0053936		2.87	<0.5	<5	94	138	<0.005		
A0053937		3.10	<0.5	5	85	137	<0.005		
A0053938		3.49	<0.5	6	72	141	<0.005		
A0053939		2.42	<0.5	8	83	158	<0.005		
A0053940		3.57	<0.5	<5	123	168	<0.005		
A0053941		2.23	<0.5	8	44	23	0.038		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 22-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275156

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada		
	CRU-31	CRU-QC	LOG-21
	PUL-31	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA24	Au-GRA22	ME-ICP61
			OA-GRA08b



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19275157

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 31-OCT-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275157

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053942		2.82	<0.5	6	25	17	0.029		2.76
A0053943		1.26	<0.5	<5	32	15	<0.005		
A0053944		2.53	<0.5	5	27	31	0.008		
A0053945		0.07	1.0	6130	49	67	6.52	6.28	
A0053946		2.01	<0.5	6	42	151	0.007		
A0053947		2.98	<0.5	<5	50	154	<0.005		
A0053948		3.02	<0.5	6	79	130	<0.005		
A0053949		3.05	<0.5	<5	91	120	<0.005		
A0053950		3.80	<0.5	<5	74	131	0.006		
A0053951		2.14	<0.5	6	16	64	<0.005		
A0053952		2.90	<0.5	<5	19	43	0.042		
A0053953		2.99	<0.5	5	9	45	0.029		
A0053954		2.80	<0.5	6	9	52	<0.005		
A0053955		2.67	<0.5	<5	6	50	<0.005		
A0053956		2.83	<0.5	<5	5	57	<0.005		
A0053957		2.78	<0.5	<5	17	96	0.135		
A0053958		0.07	<0.5	<5	21	36	0.005		
A0053959		4.27	<0.5	<5	25	192	0.546		
A0053960		1.91	<0.5	16	23	50	0.453		
A0053961		2.32	3.4	42	746	402	0.150		
A0053962		2.83	<0.5	<5	43	130	<0.005		
A0053963		2.47	<0.5	<5	9	80	<0.005		
A0053964		2.58	<0.5	<5	6	66	<0.005		
A0053965		2.87	<0.5	5	9	65	<0.005		
A0053966		2.69	<0.5	<5	8	66	0.006		
A0053967		2.81	<0.5	5	9	74	<0.005		2.74
A0053968		3.00	<0.5	6	5	103	<0.005		
A0053969		3.22	<0.5	<5	9	125	<0.005		
A0053970		3.35	<0.5	151	51	193	0.184		
A0053971		0.07	1.1	21	43	91	1.095		
A0053972		2.46	<0.5	11	54	389	0.006		
A0053973		2.92	0.8	27	103	411	0.024		
A0053974		3.00	4.8	102	129	929	0.083		
A0053975		3.04	<0.5	8	22	420	<0.005		
A0053976		2.92	<0.5	22	63	369	<0.005		
A0053977		3.81	<0.5	<5	30	93	0.229		
A0053978		2.08	<0.5	5	21	95	0.304		
A0053979		2.36	<0.5	<5	18	99	0.081		
A0053980		1.76	<0.5	<5	38	138	0.202		
A0053981		1.01	<0.5	<5	9	104	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19275157

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0053982		2.79	<0.5	5	13	107	0.024		
A0053983		2.76	<0.5	<5	12	104	<0.005		
A0053984		0.07	<0.5	5	21	38	<0.005		
A0053985		2.84	<0.5	<5	7	105	<0.005		
A0053986		2.90	<0.5	<5	8	115	<0.005		2.88
A0053987		2.85	<0.5	<5	10	149	<0.005		
A0053988		2.70	<0.5	<5	53	185	<0.005		
A0053989		3.06	<0.5	<5	3	279	<0.005		
A0053990		2.84	<0.5	<5	15	325	<0.005		
A0053991		2.81	<0.5	<5	2	252	<0.005		
A0053992		2.87	1.0	<5	331	213	0.014		
A0053993		2.85	<0.5	6	4	193	0.102		
A0053994		2.69	<0.5	<5	115	149	0.006		
A0053995		3.15	<0.5	31	7	188	0.148		
A0053996		3.02	<0.5	11	16	213	<0.005		2.77
A0053997		0.07	0.5	6100	49	69	6.79	NSS	
A0053998		3.99	<0.5	7	60	160	0.251		
A0053999		1.76	<0.5	<5	80	113	<0.005		
A0054000		2.75	1.0	<5	419	118	0.012		
A0054001		2.75	0.5	5	227	104	0.011		
A0054002		2.76	<0.5	<5	1	100	<0.005		
A0054003		2.79	<0.5	<5	1	101	<0.005		
A0054004		2.87	<0.5	<5	<1	100	<0.005		
A0054005		3.01	<0.5	<5	6	96	0.014		
A0054006		2.79	<0.5	<5	13	96	0.011		
A0054007		2.93	<0.5	<5	8	101	<0.005		
A0054008		3.00	<0.5	<5	14	98	0.113		
A0054009		3.17	<0.5	<5	7	104	0.026		
A0054010		0.07	<0.5	<5	20	37	<0.005		
A0054011		2.72	<0.5	<5	5	108	0.871		
A0054012		2.59	<0.5	<5	19	110	0.014		
A0054013		3.02	<0.5	6	77	108	0.007		2.79
A0054014		2.74	<0.5	<5	2	111	<0.005		
A0054015		3.04	<0.5	<5	9	102	<0.005		
A0054016		2.71	<0.5	<5	6	112	<0.005		
A0054017		3.04	<0.5	<5	8	101	<0.005		
A0054018		2.83	<0.5	<5	3	116	1.115		
A0054019		2.92	<0.5	<5	1	109	<0.005		



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 27-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19279667

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 27-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279667

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GR22	OA-GRA08b
	Analyte	Recvd Wt.	Ag	As	Cu	Zn	Au	Au	S.G.
Units		kg	ppm	ppm	ppm	ppm	ppm	ppm	Unity
LOD		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054098		2.95	<0.5	<5	79	112	0.014		
A0054099		2.85	<0.5	<5	80	182	<0.005		
A0054100		2.91	<0.5	<5	71	180	0.006		
A0054101		0.07	0.8	6240	49	69		6.21	
A0054102		2.78	<0.5	13	74	136	3.89	2.68	
A0054103		2.81	<0.5	<5	69	127	0.006		
A0054104		2.91	<0.5	5	79	140	1.060		
A0054105		2.80	<0.5	<5	44	128	0.006		
A0054106		2.90	<0.5	6	56	143	<0.005		
A0054107		2.81	<0.5	5	23	106	<0.005		
A0054108		2.89	<0.5	<5	5	116	0.033		
A0054109		2.66	<0.5	<5	7	96	0.504		
A0054110		3.03	<0.5	<5	3	86	<0.005		
A0054111		2.79	<0.5	<5	5	93	0.562		
A0054112		2.97	<0.5	<5	6	93	<0.005		
A0054113		2.90	<0.5	<5	4	86	<0.005		2.96
A0054114		0.07	<0.5	<5	20	36	<0.005		
A0054115		2.87	<0.5	5	4	70	0.114		
A0054116		2.50	<0.5	<5	11	70	0.232		
A0054117		2.83	<0.5	<5	8	26	0.248		
A0054118		2.72	<0.5	<5	4	23	0.311		
A0054119		2.72	<0.5	<5	12	28	0.348		
A0054120		2.69	<0.5	<5	5	25	0.730		2.77
A0054121		2.70	<0.5	5	3	20	1.065		
A0054122		2.92	<0.5	<5	8	23	0.190		
A0054123		1.28	<0.5	<5	17	33	0.023		
A0054124		1.67	<0.5	12	244	131	0.075		
A0054125		2.94	<0.5	<5	67	95	0.005		
A0054126		2.75	<0.5	<5	50	122	0.156		
A0054127		0.07	1.1	18	47	96	0.964		
A0054128		3.11	<0.5	<5	48	110	<0.005		
A0054129		2.79	<0.5	<5	45	126	<0.005		2.87
A0054130		2.98	<0.5	<5	83	130	0.005		
A0054131		2.83	<0.5	<5	99	104	<0.005		
A0054132		2.94	<0.5	<5	192	96	0.008		
A0054133		2.84	<0.5	6	178	128	0.176		
A0054134		3.21	<0.5	9	75	87	0.329		
A0054135		2.99	<0.5	<5	108	107	0.039		
A0054136		3.15	<0.5	<5	27	107	<0.005		
A0054137		2.97	<0.5	<5	73	121	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 27-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279667

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054138		2.99	<0.5	<5	71	127	<0.005		
A0054139		3.05	<0.5	<5	53	91	0.191		
A0054140		0.07	<0.5	<5	21	36	<0.005		
A0054141		2.79	<0.5	<5	5	84	0.125		
A0054142		2.71	<0.5	<5	4	74	0.020		
A0054143		2.86	<0.5	<5	60	90	<0.005		
A0054144		2.81	<0.5	<5	51	101	0.010		
A0054145		3.12	<0.5	<5	76	136	<0.005		
A0054146		2.69	<0.5	<5	92	156	<0.005		
A0054147		2.80	<0.5	<5	73	134	<0.005		
A0054148		2.75	<0.5	<5	53	125	<0.005		
A0054149		2.61	<0.5	<5	47	154	<0.005		
A0054150		2.72	<0.5	5	221	208	0.018		
A0054151		2.67	<0.5	8	8	107	0.709		
A0054152		2.59	<0.5	<5	39	124	0.009		
A0054153		0.07	0.5	6140	51	69	6.26	NSS	
A0054154		2.75	<0.5	9	75	106	0.009		
A0054155		3.00	<0.5	<5	23	90	<0.005		
A0054156		2.92	<0.5	<5	10	93	<0.005		
A0054157		3.13	<0.5	<5	15	91	<0.005		
A0054158		2.99	<0.5	<5	72	96	<0.005		
A0054159		2.70	<0.5	6	240	91	0.007		
A0054160		2.74	<0.5	<5	71	93	<0.005		
A0054161		2.82	<0.5	<5	72	97	<0.005		
A0054162		1.88	<0.5	5	55	92	0.043		
A0054163		3.92	<0.5	<5	68	97	0.010		
A0054164		2.95	<0.5	<5	68	159	0.006		
A0054165		2.83	<0.5	<5	79	144	0.006		
A0054166		0.07	<0.5	<5	20	37	<0.005		
A0054167		2.83	<0.5	<5	109	207	0.017		
A0054168		2.78	0.5	8	98	192	0.439		
A0054169		2.99	<0.5	7	86	142	0.037		
A0054170		2.84	<0.5	5	105	168	0.008		
A0054171		2.85	<0.5	<5	85	177	0.006		
A0054172		2.75	<0.5	7	98	163	0.013		
A0054173		2.92	<0.5	5	77	160	0.322		
A0054174		2.89	<0.5	<5	103	149	0.026		
A0054175		2.76	<0.5	6	99	157	0.018		



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 27-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279667

	CERTIFICATE COMMENTS								
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p>								
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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						
	<p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td><td>OA-GRA08b</td></tr></table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 24-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19279668

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 24-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279668

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054176		3.03	<0.5	<5	81	192	0.020		
A0054177		2.81	<0.5	5	82	180	0.012		
A0054178		2.75	<0.5	6	65	153	0.009		
A0054179		0.07	0.6	5690	54	73	6.28	6.68	
A0054180		3.06	<0.5	8	81	178	0.005		2.75
A0054181		2.37	<0.5	<5	82	180	<0.005		
A0054182		2.84	<0.5	<5	56	171	<0.005		
A0054183		2.17	<0.5	<5	61	208	<0.005		
A0054184		3.47	<0.5	<5	21	57	6.76	7.66	
A0054185		2.51	<0.5	<5	7	73	<0.005		
A0054186		2.63	<0.5	<5	15	72	<0.005		
A0054187		2.74	<0.5	5	50	68	<0.005		
A0054188		2.70	<0.5	<5	26	75	<0.005		
A0054189		2.45	<0.5	<5	7	74	<0.005		
A0054190		2.69	<0.5	<5	7	61	<0.005		
A0054191		2.80	<0.5	<5	5	49	<0.005		
A0054192		0.07	<0.5	<5	21	36	<0.005		
A0054193		2.77	<0.5	5	12	63	<0.005		
A0054194		2.67	<0.5	<5	70	214	<0.005		
A0054195		3.01	<0.5	<5	108	389	<0.005		
A0054196		2.99	<0.5	<5	85	246	0.005		
A0054197		2.24	<0.5	<5	6	115	<0.005		
A0054198		2.59	<0.5	<5	51	119	<0.005		
A0054199		2.46	<0.5	<5	19	127	<0.005		
A0054200		2.60	<0.5	<5	4	121	<0.005		
A0054201		2.51	<0.5	<5	43	133	<0.005		
A0054202		2.62	<0.5	<5	6	121	<0.005		
A0054203		2.56	<0.5	<5	3	126	<0.005		
A0054204		2.75	<0.5	<5	2	128	<0.005		2.78
A0054205		0.07	1.4	15	41	87	0.992		
A0054206		2.52	<0.5	<5	2	130	<0.005		
A0054207		2.35	<0.5	<5	3	135	<0.005		
A0054208		2.65	<0.5	<5	9	39	0.055		
A0054209		2.61	<0.5	<5	9	37	0.045		
A0054210		2.45	<0.5	<5	9	33	0.053		2.80
A0054211		2.53	<0.5	<5	10	33	0.068		
A0054212		2.57	<0.5	<5	10	37	0.065		
A0054213		2.38	<0.5	<5	10	33	0.108		
A0054214		1.49	<0.5	<5	17	33	0.086		
A0054215		1.86	0.5	<5	19	32	2.85		



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

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 24-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279668

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
A0054216		1.77	<0.5	<5	36	135	0.016		
A0054217		2.55	<0.5	<5	47	123	<0.005		
A0054218		0.07	<0.5	<5	20	35	<0.005		
A0054219		2.76	<0.5	<5	26	128	<0.005		
A0054220		2.80	<0.5	<5	10	116	<0.005		
A0054221		2.64	<0.5	<5	40	112	<0.005		
A0054222		2.65	<0.5	<5	38	112	<0.005		
A0054223		2.54	<0.5	<5	43	107	<0.005		
A0054224		2.34	<0.5	<5	38	115	<0.005		
A0054225		2.65	<0.5	<5	35	121	<0.005		
A0054226		2.69	<0.5	<5	43	121	<0.005		
A0054227		2.68	<0.5	<5	45	114	<0.005	2.75	
A0054228		2.74	<0.5	<5	45	110	<0.005		
A0054229		2.92	<0.5	<5	13	106	<0.005		
A0054230		2.70	0.7	<5	85	115	<0.005		
A0054231		0.07	1.4	6050	50	71	6.16	6.57	
A0054232		2.74	<0.5	6	94	135	<0.005		
A0054233		2.84	<0.5	<5	10	114	0.038		
A0054234		3.03	<0.5	<5	31	120	<0.005		
A0054235		2.72	0.8	6	48	135	<0.005		
A0054236		2.54	0.5	<5	91	183	<0.005		
A0054237		1.55	0.5	<5	81	192	<0.005		
A0054238		2.15	0.5	<5	58	150	0.010		
A0054239		2.83	0.6	7	41	126	0.015		
A0054240		3.47	<0.5	5	20	160	<0.005		
A0054241		2.27	0.5	<5	9	194	0.013		
A0054242		1.98	<0.5	7	51	237	<0.005		
A0054243		3.00	<0.5	8	48	173	<0.005		
A0054244		0.07	<0.5	<5	22	38	0.005		
A0054245		2.93	<0.5	<5	31	154	<0.005		
A0054246		3.03	<0.5	<5	40	170	<0.005		
A0054247		1.61	<0.5	6	40	179	0.006		
A0054248		1.35	<0.5	6	18	191	0.006		
A0054249		3.08	0.6	9	17	201	0.031		
A0054250		2.94	1.2	42	122	356	0.035		
A0054251		2.96	<0.5	7	52	197	0.007		
A0054252		2.88	<0.5	<5	27	99	0.204		
A0054253		2.76	<0.5	<5	13	106	0.011		



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19279669

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279669

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054254		2.70	<0.5	<5	28	94	0.306		
A0054255		2.76	<0.5	<5	37	98	<0.005		2.77
A0054256		2.48	<0.5	<5	26	109	0.081		
A0054257		0.07	1.5	5900	50	65	6.42	5.88	
A0054258		2.52	<0.5	6	57	101	<0.005		
A0054259		2.63	0.5	11	48	144	0.021		
A0054260		2.76	0.7	10	30	152	0.047		
A0054261		3.09	1.0	13	34	200	0.060		
A0054262		2.80	0.6	34	22	732	0.051		
A0054263		2.99	0.5	15	13	215	0.100		
A0054264		3.10	0.9	13	30	216	0.064		
A0054265		2.89	<0.5	<5	5	168	0.006		
A0054266		2.97	<0.5	7	5	159	<0.005		
A0054267		2.70	<0.5	<5	5	129	<0.005		
A0054268		2.89	<0.5	<5	30	141	0.024		
A0054269		2.77	<0.5	<5	7	133	<0.005		
A0054270		0.07	<0.5	<5	21	35	<0.005		
A0054271		2.96	<0.5	<5	5	146	<0.005		
A0054272		2.92	<0.5	<5	26	142	0.024		
A0054273		2.93	<0.5	7	26	111	<0.005		
A0054274		2.90	<0.5	6	58	110	<0.005		
A0054275		3.11	<0.5	<5	28	127	0.024		
A0054276		2.91	0.8	9	50	144	0.043		
A0054277		2.90	<0.5	7	56	194	0.014		
A0054278		2.84	<0.5	5	47	196	0.016		
A0054279		2.93	<0.5	7	18	168	0.005		
A0054280		3.12	<0.5	5	18	203	0.006		
A0054281		2.34	<0.5	<5	50	181	0.014		
A0054282		3.26	<0.5	8	31	198	<0.005		
A0054283		0.07	1.4	17	42	87	1.140		
A0054284		3.00	<0.5	6	43	174	<0.005		
A0054285		2.89	<0.5	5	14	152	<0.005		
A0054286		2.81	<0.5	<5	30	174	<0.005		
A0054287		3.17	<0.5	<5	66	147	<0.005		
A0054288		2.83	<0.5	7	29	165	<0.005		
A0054289		2.76	<0.5	20	4	172	0.010		
A0054290		3.16	<0.5	6	36	168	<0.005		
A0054291		3.05	<0.5	7	55	126	<0.005		2.73
A0054292		2.65	<0.5	6	51	132	<0.005		
A0054293		2.59	<0.5	6	44	139	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279669

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054294		2.90	<0.5	<5	57	149	<0.005		
A0054295		2.92	<0.5	8	45	162	<0.005		
A0054296		0.07	<0.5	6	21	36	<0.005		
A0054297		2.69	<0.5	5	44	174	<0.005		
A0054298		2.62	<0.5	5	32	162	0.028		
A0054299		3.07	<0.5	7	57	227	<0.005		
A0054300		2.54	<0.5	5	42	190	<0.005		
A0054301		2.58	<0.5	<5	60	154	<0.005		
A0054302		2.83	<0.5	<5	48	162	<0.005		2.79
A0054303		3.07	<0.5	6	39	171	<0.005		
A0054304		2.61	<0.5	10	66	168	<0.005		
A0054305		2.91	<0.5	<5	52	146	0.006		
A0054306		2.98	<0.5	<5	71	140	0.007		
A0054307		2.88	<0.5	<5	68	147	<0.005		
A0054308		2.88	<0.5	5	65	147	0.032		
A0054309		0.07	1.1	5670	60	70	6.26	NSS	
A0054310		2.99	<0.5	13	55	151	<0.005		
A0054311		2.71	<0.5	<5	97	136	0.014		
A0054312		3.07	<0.5	<5	103	138	0.005		
A0054313		2.91	<0.5	7	58	156	<0.005		
A0054314		2.90	<0.5	<5	64	171	<0.005		
A0054315		2.87	<0.5	<5	48	157	<0.005		
A0054316		2.92	<0.5	<5	60	152	<0.005		
A0054317		2.82	<0.5	<5	68	158	<0.005		
A0054318		2.64	<0.5	<5	48	145	<0.005		
A0054319		2.93	0.5	<5	71	154	<0.005		
A0054320		2.75	<0.5	<5	73	149	<0.005		
A0054321		2.81	<0.5	<5	63	144	<0.005		
A0054322		0.07	<0.5	<5	21	37	<0.005		
A0054323		2.63	<0.5	5	24	81	0.721		
A0054324		2.78	<0.5	<5	73	142	0.036		2.72
A0054325		2.95	<0.5	<5	50	132	0.013		
A0054326		2.87	<0.5	<5	62	122	0.015		
A0054327		2.90	<0.5	<5	57	142	0.010		
A0054328		2.95	<0.5	<5	59	121	<0.005		
A0054329		3.02	<0.5	<5	51	125	0.005		
A0054330		2.80	<0.5	7	25	117	0.020		
A0054331		2.95	<0.5	<5	63	119	0.010		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279669

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 17%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19279670

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 5-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279670

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0054332	2.64	<0.5	<5	41	111	<0.005		
A0054333	2.90	<0.5	<5	22	89	<0.005		
A0054334	2.87	<0.5	<5	26	93	<0.005		
A0054335	0.07	0.7	5590	49	70	7.48	NSS	
A0054336	2.60	<0.5	<5	52	106	<0.005		
A0054337	3.01	<0.5	8	93	128	0.009		
A0054338	2.95	<0.5	5	20	88	0.007		
A0054339	2.79	<0.5	<5	14	65	0.008		
A0054340	2.89	<0.5	<5	17	65	0.010		
A0054341	2.69	<0.5	5	25	58	0.012		2.85
A0054342	3.15	<0.5	6	10	60	0.006		
A0054343	3.05	<0.5	<5	8	76	<0.005		
A0054344	2.84	<0.5	<5	2	78	<0.005		
A0054345	2.81	<0.5	<5	2	87	<0.005		
A0054346	2.92	<0.5	<5	30	112	<0.005		
A0054347	2.94	<0.5	<5	15	101	<0.005		
A0054348	0.07	<0.5	<5	21	36	0.005		
A0054349	2.91	<0.5	<5	6	93	<0.005		
A0054350	2.68	<0.5	5	2	82	<0.005		
A0054351	2.62	<0.5	<5	17	79	0.069		
A0054352	2.74	<0.5	<5	25	94	0.020		
A0054353	2.95	<0.5	<5	18	94	<0.005		
A0054354	2.46	<0.5	<5	15	75	<0.005		
A0054355	3.15	<0.5	5	17	67	0.006		
A0054356	2.77	<0.5	<5	18	83	0.041		
A0054357	3.10	<0.5	6	23	88	0.015		
A0054358	2.84	<0.5	<5	17	75	<0.005		
A0054359	2.90	<0.5	<5	19	76	<0.005		
A0054360	2.83	<0.5	<5	18	72	<0.005		
A0054361	0.07	1.3	15	39	84	1.075		
A0054362	2.58	<0.5	<5	21	95	<0.005		
A0054363	2.85	<0.5	<5	28	90	<0.005		
A0054364	2.65	<0.5	<5	56	88	<0.005		
A0054365	2.88	<0.5	<5	58	112	<0.005		2.79
A0054366	2.92	<0.5	<5	51	114	0.006		
A0054367	2.85	<0.5	<5	50	113	0.084		
A0054368	2.87	<0.5	<5	73	118	0.109		
A0054369	2.91	<0.5	<5	48	107	0.086		
A0054370	2.93	<0.5	<5	45	111	0.006		
A0054371	3.04	<0.5	<5	51	110	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279670

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
	0.02	0.5	5	1	2	0.005	0.05	0.01
A0054372	2.95	<0.5	<5	53	123	<0.005		
A0054373	2.53	<0.5	<5	8	96	<0.005		
A0054374	0.07	<0.5	<5	20	35	<0.005		
A0054375	2.96	<0.5	<5	39	101	<0.005		
A0054376	3.08	<0.5	<5	41	106	0.005		
A0054377	2.90	<0.5	<5	53	96	0.968		
A0054378	2.98	<0.5	<5	48	105	0.057		
A0054379	2.90	<0.5	<5	43	107	1.410		
A0054380	3.13	<0.5	<5	48	101	0.006		
A0054381	2.83	<0.5	<5	42	106	0.005		
A0054382	2.97	<0.5	5	45	115	<0.005		
A0054383	3.23	<0.5	5	44	107	<0.005		
A0054384	2.81	<0.5	<5	41	112	<0.005		
A0054385	3.10	<0.5	<5	49	112	<0.005		
A0054386	2.94	<0.5	<5	38	111	<0.005		
A0054387	0.07	1.0	6210	51	68	6.33	NSS	
A0054388	3.17	<0.5	8	41	108	<0.005		
A0054389	2.92	<0.5	7	42	106	<0.005		2.79
A0054390	3.25	0.5	<5	47	121	<0.005		
A0054391	2.89	<0.5	<5	34	111	<0.005		
A0054392	2.68	<0.5	<5	25	79	0.062		
A0054393	3.11	<0.5	<5	38	110	0.005		
A0054394	2.86	<0.5	<5	44	106	0.010		
A0054395	2.94	<0.5	<5	32	110	<0.005		
A0054396	2.92	<0.5	<5	36	118	<0.005		
A0054397	2.92	<0.5	<5	45	111	0.005		
A0054398	1.95	<0.5	<5	14	118	<0.005		
A0054399	2.65	<0.5	<5	35	116	<0.005		
A0054400	0.07	<0.5	<5	21	38	<0.005		
A0054401	2.07	<0.5	<5	10	117	<0.005		
A0054402	2.35	<0.5	<5	36	120	<0.005		
A0054403	2.51	<0.5	<5	18	135	<0.005		
A0054404	2.92	<0.5	<5	19	127	<0.005		
A0054405	2.62	<0.5	<5	5	121	<0.005		
A0054406	2.77	<0.5	<5	17	138	<0.005		
A0054407	2.59	<0.5	<5	172	132	<0.005		
A0054408	2.88	<0.5	<5	41	125	<0.005		
A0054409	2.54	<0.5	<5	9	120	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19279670

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 15%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19280480

Project: Van Horne

This report is for 31 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 6-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 2 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280480

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054722		2.64	<0.5	<5	78	197	<0.005		
A0054723		2.94	<0.5	5	56	193	<0.005		
A0054724		2.55	<0.5	5	37	177	<0.005	2.76	
A0054725		0.07	1.8	6090	57	70	7.32	NSS	
A0054726		3.29	<0.5	17	26	176	<0.005		
A0054727		3.07	<0.5	<5	91	130	0.020		
A0054728		2.67	<0.5	7	25	168	<0.005		
A0054729		2.76	<0.5	6	54	173	<0.005		
A0054730		2.93	<0.5	<5	22	202	<0.005		
A0054731		2.87	<0.5	<5	52	130	0.334		
A0054732		3.08	<0.5	5	17	149	<0.005		
A0054733		3.02	<0.5	6	108	158	0.011		
A0054734		2.97	<0.5	5	26	149	<0.005		
A0054735		2.91	<0.5	<5	18	103	<0.005		
A0054736		2.69	<0.5	<5	10	111	<0.005		
A0054737		2.77	<0.5	6	13	117	0.290		
A0054738		0.07	<0.5	5	21	36	<0.005		
A0054739		2.90	<0.5	<5	26	93	0.308		
A0054740		2.94	<0.5	<5	10	90	0.062		
A0054741		2.93	<0.5	5	17	102	<0.005		
A0054742		2.64	<0.5	<5	8	101	<0.005		
A0054743		2.87	<0.5	<5	14	73	0.005		
A0054744		2.81	<0.5	<5	17	81	0.428		
A0054745		2.76	<0.5	<5	17	73	2.73		
A0054746		2.82	<0.5	7	16	90	0.307		
A0054747		2.87	<0.5	<5	10	79	0.130		
A0054748		2.95	<0.5	<5	12	73	0.154		
A0054749		2.74	<0.5	<5	16	67	1.675		
A0054750		2.82	<0.5	<5	13	82	0.254	2.77	
A0054751		0.07	1.4	17	41	89	1.110		
A0054752		2.78	<0.5	10	16	118	0.109		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280480

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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: 33%;">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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 33%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 3-DEC-2019
 Account: KECIBQJN

CERTIFICATE TB19280481

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 6-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 3-DEC-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280481

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054644		2.78	<0.5	7	79	98	<0.005		
A0054645		2.15	<0.5	<5	35	114	<0.005		
A0054646		1.70	<0.5	<5	37	125	<0.005		
A0054647		0.07	0.6	6210	51	68		NSS	
A0054648		1.73	<0.5	10	4	90	<0.005		
A0054649		2.78	<0.5	<5	4	85	<0.005		2.73
A0054650		2.93	<0.5	<5	67	118	<0.005		
A0054651		2.87	<0.5	<5	109	98	<0.005		
A0054652		2.66	<0.5	6	41	112	<0.005		
A0054653		2.80	<0.5	7	21	144	0.005		
A0054654		3.00	<0.5	7	11	111	<0.005		2.84
A0054655		2.71	<0.5	8	9	108	<0.005		
A0054656		2.01	<0.5	5	19	94	<0.005		
A0054657		2.05	<0.5	<5	37	86	0.032		
A0054658		2.19	<0.5	<5	10	99	<0.005		
A0054659		2.63	<0.5	5	18	87	0.008		
A0054660		0.07	<0.5	<5	21	35	<0.005		
A0054661		3.10	<0.5	<5	21	75	0.179		
A0054662		2.85	<0.5	5	20	61	0.609		
A0054663		2.51	<0.5	6	34	64	0.579		2.74
A0054664		2.13	<0.5	<5	23	84	0.307		
A0054665		2.49	<0.5	5	13	96	0.912		
A0054666		2.59	<0.5	<5	24	91	0.743		
A0054667		1.83	<0.5	<5	4	115	2.08		2.16
A0054668		1.59	<0.5	<5	8	103	0.054		
A0054669		1.92	<0.5	<5	29	101	<0.005		
A0054670		2.27	<0.5	7	22	133	<0.005		
A0054671		2.75	<0.5	8	18	145	<0.005		
A0054672		2.71	<0.5	6	48	120	<0.005		
A0054673		0.07	1.5	16	40	85	1.140		
A0054674		2.80	<0.5	5	153	723	0.007		
A0054675		2.71	<0.5	<5	13	129	<0.005		2.85
A0054676		2.59	<0.5	<5	25	109	<0.005		
A0054677		2.83	<0.5	<5	10	115	0.009		
A0054678		2.76	<0.5	<5	16	86	<0.005		
A0054679		2.86	<0.5	8	21	101	<0.005		
A0054680		2.78	<0.5	<5	18	95	<0.005		
A0054681		2.94	<0.5	<5	12	110	<0.005		
A0054682		2.87	<0.5	<5	7	104	<0.005		
A0054683		2.91	<0.5	6	9	142	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 3-DEC-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280481

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054684		3.05	<0.5	6	11	156	<0.005		
A0054685		2.98	<0.5	<5	6	122	0.006		
A0054686		0.07	<0.5	<5	23	38	<0.005		
A0054687		2.98	<0.5	5	6	175	<0.005		
A0054688		2.96	1.1	68	189	2270	0.094		
A0054689		3.04	1.3	47	15	656	0.047		
A0054690		2.93	0.7	20	22	496	0.018		
A0054691		2.93	<0.5	5	20	308	<0.005		
A0054692		2.90	<0.5	5	30	163	<0.005		
A0054693		2.77	<0.5	<5	33	166	0.013		2.80
A0054694		3.02	<0.5	<5	29	189	<0.005		
A0054695		2.90	<0.5	<5	26	215	<0.005		
A0054696		2.73	0.6	15	49	438	0.010		
A0054697		3.01	1.7	43	299	779	0.099		
A0054698		2.90	<0.5	<5	21	457	<0.005		
A0054699		0.07	0.9	6450	51	72	7.60	NSS	
A0054700		2.82	0.5	48	83	397	0.065		
A0054701		3.12	<0.5	12	54	317	0.011		
A0054702		2.97	<0.5	6	25	252	0.007		
A0054703		3.55	<0.5	7	41	216	0.011		
A0054704		2.06	<0.5	<5	24	131	0.013		
A0054705		2.66	<0.5	<5	56	139	0.015		
A0054706		2.73	<0.5	<5	68	152	0.024		
A0054707		2.70	<0.5	<5	56	130	0.015		
A0054708		3.03	<0.5	6	52	101	0.008		
A0054709		2.81	<0.5	<5	71	111	0.009		
A0054710		2.86	<0.5	<5	24	123	0.009		
A0054711		3.06	<0.5	<5	47	118	0.010		
A0054712		0.07	<0.5	<5	21	37	<0.005		
A0054713		3.03	<0.5	7	58	140	0.011		
A0054714		1.43	<0.5	<5	54	116	<0.005		
A0054715		1.64	<0.5	<5	80	141	<0.005		
A0054716		2.70	<0.5	5	67	121	0.005		
A0054717		3.00	<0.5	<5	66	116	0.007		
A0054718		2.61	<0.5	<5	37	106	0.652		
A0054719		2.95	<0.5	<5	78	184	0.044		
A0054720		2.65	<0.5	<5	48	174	0.005		
A0054721		3.48	<0.5	<5	70	189	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 3-DEC-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280481

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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: 33%;">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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 33%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19280486

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 6-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280486

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054410		2.37	<0.5	<5	4	124	<0.005		
A0054411		2.54	<0.5	<5	5	131	<0.005		2.80
A0054412		2.03	<0.5	<5	6	143	<0.005		
A0054413		0.07	0.8	6140	50	67		NSS	
A0054414		1.80	<0.5	5	19	29	0.025		
A0054415		1.08	<0.5	10	10	27	0.051		
A0054416		2.40	<0.5	<5	9	32	0.065		
A0054417		2.30	<0.5	<5	6	31	0.047		
A0054418		2.10	<0.5	<5	7	50	0.148		
A0054419		2.25	<0.5	<5	13	33	0.109		
A0054420		2.64	<0.5	<5	11	31	0.047		2.85
A0054421		2.46	<0.5	<5	14	31	0.028		
A0054422		2.51	<0.5	<5	7	32	0.090		
A0054423		1.19	<0.5	<5	13	27	0.044		
A0054424		1.92	<0.5	<5	15	224	<0.005		
A0054425		1.52	<0.5	<5	3	129	<0.005		
A0054426		0.07	<0.5	<5	21	36	<0.005		
A0054427		2.43	<0.5	<5	6	129	0.270		
A0054428		2.72	<0.5	<5	8	138	0.017		
A0054429		2.34	<0.5	<5	31	157	<0.005		
A0054430		2.29	<0.5	<5	21	148	<0.005		
A0054431		2.61	<0.5	7	42	127	0.006		
A0054432		2.68	<0.5	5	39	133	<0.005		
A0054433		2.45	<0.5	<5	34	143	<0.005		
A0054434		2.23	<0.5	<5	3	86	<0.005		
A0054435		2.49	<0.5	<5	2	87	<0.005		
A0054436		2.48	<0.5	<5	29	115	<0.005		
A0054437		2.65	<0.5	<5	73	163	<0.005		
A0054438		2.43	<0.5	<5	71	148	<0.005		
A0054439		0.07	2.1	16	44	93	1.065		
A0054440		2.92	<0.5	<5	38	127	<0.005		
A0054441		2.96	<0.5	<5	49	107	<0.005		
A0054442		2.39	<0.5	<5	40	95	<0.005		2.79
A0054443		2.59	<0.5	<5	37	107	<0.005		
A0054444		2.66	<0.5	<5	54	144	<0.005		
A0054445		2.96	<0.5	<5	39	137	<0.005		
A0054446		2.32	<0.5	<5	50	159	<0.005		
A0054447		2.54	<0.5	<5	45	136	<0.005		
A0054448		2.66	<0.5	<5	42	112	<0.005		
A0054449		2.56	<0.5	<5	41	135	0.006		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 25-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280486

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0054450	2.76	<0.5	<5	22	111	<0.005		
A0054451	2.68	<0.5	5	44	151	0.020		
A0054452	0.07	<0.5	<5	22	38	<0.005		
A0054453	2.67	<0.5	<5	21	145	0.006		
A0054454	2.65	<0.5	5	19	185	0.005		
A0054455	2.55	<0.5	9	91	179	0.012		
A0054456	1.81	<0.5	8	38	162	0.009		
A0054457	1.93	<0.5	<5	20	117	0.076		
A0054458	1.36	<0.5	<5	7	73	0.243		
A0054459	2.66	<0.5	<5	20	90	0.223		
A0054460	2.52	<0.5	<5	73	103	0.274		
A0054461	2.72	<0.5	<5	15	94	0.155		2.80
A0054462	2.55	<0.5	<5	19	96	0.066		
A0054463	2.52	<0.5	<5	18	81	0.269		
A0054464	2.47	<0.5	<5	20	84	1.075		
A0054465	0.07	1.1	6180	50	71	7.23	NSS	
A0054466	2.56	<0.5	8	24	105	0.674		
A0054467	2.45	<0.5	<5	21	88	0.372		
A0054468	2.51	<0.5	<5	18	100	0.385		
A0054469	1.73	<0.5	<5	5	94	0.196		
A0054470	1.79	<0.5	<5	30	100	0.231		
A0054471	1.33	<0.5	<5	20	124	<0.005		
A0054472	2.72	0.5	5	56	160	0.025		
A0054473	2.74	<0.5	6	52	151	0.024		
A0054474	2.58	<0.5	<5	56	165	0.005		
A0054475	2.60	<0.5	<5	47	126	<0.005		
A0054476	2.75	<0.5	<5	53	152	0.005		
A0054477	2.65	<0.5	<5	62	144	<0.005		
A0054478	0.07	<0.5	<5	21	38	<0.005		
A0054479	2.69	<0.5	<5	62	137	0.005		
A0054480	2.82	<0.5	<5	51	152	<0.005		
A0054481	2.57	<0.5	<5	49	134	<0.005		
A0054482	2.67	<0.5	<5	61	153	0.005		
A0054483	2.73	0.6	<5	62	155	0.006		
A0054484	2.61	0.6	<5	47	134	<0.005		
A0054485	2.65	<0.5	<5	49	158	0.009		
A0054486	2.97	0.8	<5	51	152	0.021		
A0054487	2.76	0.6	<5	37	146	0.015		



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19280489

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 6-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280489

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GR22 Au ppm	OA-GR08b S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054488		2.82	<0.5	<5	61	204	0.014		2.81
A0054489		2.83	<0.5	<5	26	178	0.006		
A0054490		2.76	<0.5	<5	49	149	0.011		
A0054491		0.07	1.0	6040	51	68	6.13	NSS	
A0054492		2.78	<0.5	7	56	152	0.008		
A0054493		2.88	<0.5	6	52	169	0.008		
A0054494		2.84	<0.5	<5	58	227	0.005		
A0054495		2.68	<0.5	<5	54	276	0.006		
A0054496		2.97	<0.5	9	40	345	0.006		
A0054497		2.95	2.2	36	770	658	0.095		
A0054498		2.79	<0.5	<5	62	298	0.007		
A0054499		2.84	<0.5	5	52	208	<0.005		
A0054500		2.62	<0.5	<5	33	171	<0.005		
A0054501		2.90	<0.5	<5	40	160	<0.005		
A0054502		2.73	<0.5	<5	52	145	<0.005		
A0054503		2.84	<0.5	<5	60	142	0.010		
A0054504		0.07	<0.5	<5	22	36	<0.005		
A0054505		2.88	<0.5	<5	59	148	<0.005		
A0054506		2.72	<0.5	<5	50	152	0.006		
A0054507		2.98	<0.5	<5	67	176	0.006		
A0054508		2.91	<0.5	<5	68	152	0.005		
A0054509		2.76	<0.5	<5	78	154	0.010		
A0054510		2.72	<0.5	<5	31	152	0.014		
A0054511		2.90	<0.5	<5	43	188	0.005		
A0054512		2.78	<0.5	6	74	179	0.014		
A0054513		2.82	<0.5	8	27	236	0.006		
A0054514		3.18	<0.5	10	44	203	0.011		
A0054515		2.04	<0.5	7	34	186	0.007		
A0054516		2.92	<0.5	5	62	201	0.006		
A0054517		0.07	1.2	14	41	88	1.065		
A0054518		2.88	<0.5	6	39	176	<0.005		
A0054519		2.97	<0.5	<5	37	173	0.006		
A0054520		2.67	<0.5	<5	60	171	0.007		2.76
A0054521		2.78	<0.5	<5	57	164	0.007		
A0054522		2.66	<0.5	<5	45	176	0.005		
A0054523		2.97	<0.5	<5	58	98	0.016		
A0054524		2.82	<0.5	<5	77	89	0.017		
A0054525		2.86	<0.5	<5	57	81	0.018		
A0054526		3.04	<0.5	<5	40	101	0.080		
A0054527		2.71	<0.5	<5	11	143	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280489

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-ICP61 Ag ppm	ME-ICP61 As ppm	ME-ICP61 Cu ppm	ME-ICP61 Zn ppm	Au-AA24 Au ppm	Au-GRA22 Au ppm	OA-GRA08b S.G. Unity
Sample Description	0.02	0.5	5	1	2	0.005	0.05	0.01
A0054528	2.68	<0.5	<5	62	132	0.005		
A0054529	2.51	<0.5	<5	3	107	<0.005		
A0054530	0.07	<0.5	<5	21	34	<0.005		
A0054531	2.69	<0.5	<5	<1	117	<0.005		
A0054532	2.78	<0.5	<5	<1	93	<0.005		
A0054533	2.91	<0.5	<5	<1	81	<0.005		
A0054534	2.83	<0.5	5	<1	86	<0.005		
A0054535	2.76	<0.5	<5	1	83	<0.005		
A0054536	2.93	<0.5	5	2	86	<0.005		
A0054537	2.74	<0.5	<5	40	93	0.006		
A0054538	2.91	<0.5	<5	15	94	<0.005		
A0054539	2.81	<0.5	<5	1	113	<0.005		
A0054540	1.46	<0.5	<5	<1	121	<0.005		
A0054541	2.29	<0.5	5	12	66	<0.005		
A0054542	2.71	<0.5	<5	3	63	<0.005		
A0054543	0.07	<0.5	5500	48	64	7.01	6.68	
A0054544	1.93	<0.5	8	8	48	<0.005		
A0054545	2.69	<0.5	5	5	62	<0.005		2.77
A0054546	2.78	<0.5	<5	77	62	0.005		
A0054547	2.77	<0.5	<5	8	106	<0.005		
A0054548	2.66	<0.5	<5	12	121	<0.005		
A0054549	2.71	<0.5	<5	12	75	<0.005		
A0054550	2.70	<0.5	<5	30	73	<0.005		
A0054551	2.74	<0.5	<5	18	73	0.006		
A0054552	2.58	<0.5	5	13	93	<0.005		
A0054553	2.77	<0.5	<5	27	102	0.009		
A0054554	2.71	<0.5	<5	29	86	0.006		
A0054555	3.02	<0.5	8	29	95	0.005		
A0054556	0.07	<0.5	<5	21	34	<0.005		
A0054557	2.84	<0.5	5	29	107	0.164		
A0054558	2.90	<0.5	5	32	94	0.006		
A0054559	2.61	<0.5	<5	30	80	0.007		
A0054560	2.76	<0.5	<5	29	101	0.009		
A0054561	2.78	<0.5	<5	46	98	0.017		
A0054562	2.78	<0.5	<5	15	74	0.189		
A0054563	2.58	<0.5	<5	14	66	0.076		
A0054564	2.62	<0.5	5	35	59	0.012		
A0054565	2.64	<0.5	6	29	80	0.007		2.73



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: KG EXPLORATION (CANADA) INC.
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 26-NOV-2019
Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280489

	CERTIFICATE COMMENTS												
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: NSS is non-sufficient sample. ALL METHODS</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table><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> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-AA24</td><td>Au-GRA22</td><td>ME-ICP61</td><td>OA-GRA08b</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-23	PUL-31	PUL-QC	SPL-21	WEI-21	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b
CRU-31	CRU-QC	LOG-21	LOG-23										
PUL-31	PUL-QC	SPL-21	WEI-21										
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b										



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: **KG EXPLORATION (CANADA) INC.**
25 YORK STREET 17TH FLOOR
TORONTO ON M5J 2V5

Page: 1
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

CERTIFICATE TB19280490

Project: Van Horne

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 6-NOV-2019.

The following have access to data associated with this certificate:

GRAHAM LONG	KELSEY PRIVETT
-------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
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-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA24	Au 50g FA AA finish	AAS
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
OA-GRA08b	Specific Gravity for Pulps	WST-SIM
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
 www.alsglobal.com/geochemistry

To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 2 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280490

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054566		2.61	<0.5	<5	41	110	0.009		
A0054567		2.81	<0.5	<5	45	116	0.009		
A0054568		2.85	<0.5	<5	77	164	0.631		
A0054569		0.07	0.7	6120	52	68	6.29	NSS	
A0054570		3.78	<0.5	<5	52	112	0.218		
A0054571		1.87	<0.5	<5	47	117	0.009		
A0054572		3.01	0.6	<5	45	119	0.008		
A0054573		3.14	<0.5	<5	42	116	0.008		
A0054574		2.89	<0.5	<5	44	117	0.008		
A0054575		3.04	<0.5	<5	42	113	0.007		
A0054576		2.84	0.5	<5	39	111	0.006		
A0054577		2.96	<0.5	<5	41	111	0.268		
A0054578		2.63	1.1	<5	47	148	0.945		
A0054579		2.83	<0.5	<5	42	116	0.007		
A0054580		2.97	<0.5	<5	45	117	0.006		
A0054581		2.88	<0.5	<5	49	124	<0.005		
A0054582		0.07	<0.5	<5	21	35	<0.005		
A0054583		3.08	<0.5	<5	40	113	0.006		
A0054584		2.75	<0.5	<5	42	114	1.045		
A0054585		2.90	<0.5	<5	35	116	0.008		
A0054586		2.99	<0.5	<5	32	114	0.022		
A0054587		2.79	<0.5	<5	37	113	0.159		
A0054588		2.78	<0.5	<5	41	112	0.010		
A0054589		3.00	<0.5	<5	41	113	0.035		
A0054590		2.96	<0.5	<5	33	113	0.008		
A0054591		2.96	<0.5	<5	39	115	0.499		
A0054592		3.12	<0.5	<5	46	118	0.360		
A0054593		2.83	<0.5	<5	40	114	0.182		
A0054594		2.68	<0.5	<5	32	112	0.016		
A0054595		0.07	1.4	13	39	87	1.075		
A0054596		2.84	<0.5	<5	40	108	0.208		
A0054597		2.75	<0.5	<5	36	122	0.230		
A0054598		2.89	<0.5	<5	37	110	0.033		
A0054599		2.94	<0.5	<5	62	345	0.078		
A0054600		2.76	<0.5	<5	52	122	0.013		2.72
A0054601		2.86	<0.5	<5	38	112	0.010		
A0054602		2.99	<0.5	<5	41	114	0.010		
A0054603		2.85	<0.5	6	13	249	0.005		
A0054604		2.47	<0.5	<5	19	186	0.006		
A0054605		2.61	<0.5	<5	18	159	<0.005		



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: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: 3 - A
 Total # Pages: 3 (A)
 Plus Appendix Pages
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280490

Sample Description	Method Analyte Units LOD	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Au-AA24	Au-GRA22	OA-GRA08b
		Recvd Wt. kg	Ag ppm	As ppm	Cu ppm	Zn ppm	Au ppm	Au ppm	S.G. Unity
		0.02	0.5	5	1	2	0.005	0.05	0.01
A0054606		2.77	<0.5	<5	23	146	<0.005		
A0054607		2.54	<0.5	<5	17	158	<0.005		
A0054608		0.07	<0.5	<5	21	36	<0.005		
A0054609		2.58	<0.5	<5	13	179	<0.005		
A0054610		1.83	<0.5	<5	6	314	<0.005		
A0054611		2.51	<0.5	<5	3	144	<0.005		
A0054612		2.63	<0.5	<5	4	142	<0.005		
A0054613		2.61	<0.5	<5	8	147	<0.005		
A0054614		2.56	<0.5	<5	11	124	<0.005		2.87
A0054615		2.61	<0.5	<5	5	131	<0.005		
A0054616		2.61	<0.5	<5	4	141	<0.005		
A0054617		2.52	<0.5	<5	5	131	<0.005		
A0054618		2.76	<0.5	<5	34	141	<0.005		
A0054619		2.80	<0.5	<5	21	134	<0.005		
A0054620		2.66	<0.5	<5	31	144	<0.005		
A0054621		0.07	1.4	6090	53	69	6.38	NSS	
A0054622		2.62	<0.5	8	22	135	0.010		
A0054623		2.72	<0.5	<5	16	142	<0.005		
A0054624		2.70	<0.5	<5	19	142	<0.005		
A0054625		2.82	<0.5	<5	20	163	0.005		
A0054626		2.77	<0.5	<5	30	121	0.007		
A0054627		2.75	<0.5	11	56	248	0.014		
A0054628		2.74	<0.5	22	25	590	0.015		
A0054629		2.68	<0.5	22	99	1190	0.088		
A0054630		2.71	<0.5	<5	11	218	0.007		
A0054631		2.79	<0.5	6	22	118	0.013		
A0054632		2.74	<0.5	6	17	146	0.008		
A0054633		2.74	0.5	<5	15	149	<0.005		
A0054634		0.07	<0.5	<5	20	34	<0.005		
A0054635		2.75	<0.5	<5	28	111	0.006		
A0054636		2.70	0.5	<5	41	95	<0.005		
A0054637		2.75	<0.5	<5	41	96	<0.005		
A0054638		2.63	0.6	<5	44	97	<0.005		
A0054639		2.88	0.6	<5	27	105	<0.005		
A0054640		2.77	<0.5	<5	19	149	<0.005		
A0054641		2.76	0.5	<5	33	133	<0.005		
A0054642		2.90	<0.5	<5	26	107	<0.005		2.73
A0054643		2.76	<0.5	<5	66	101	<0.005		



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

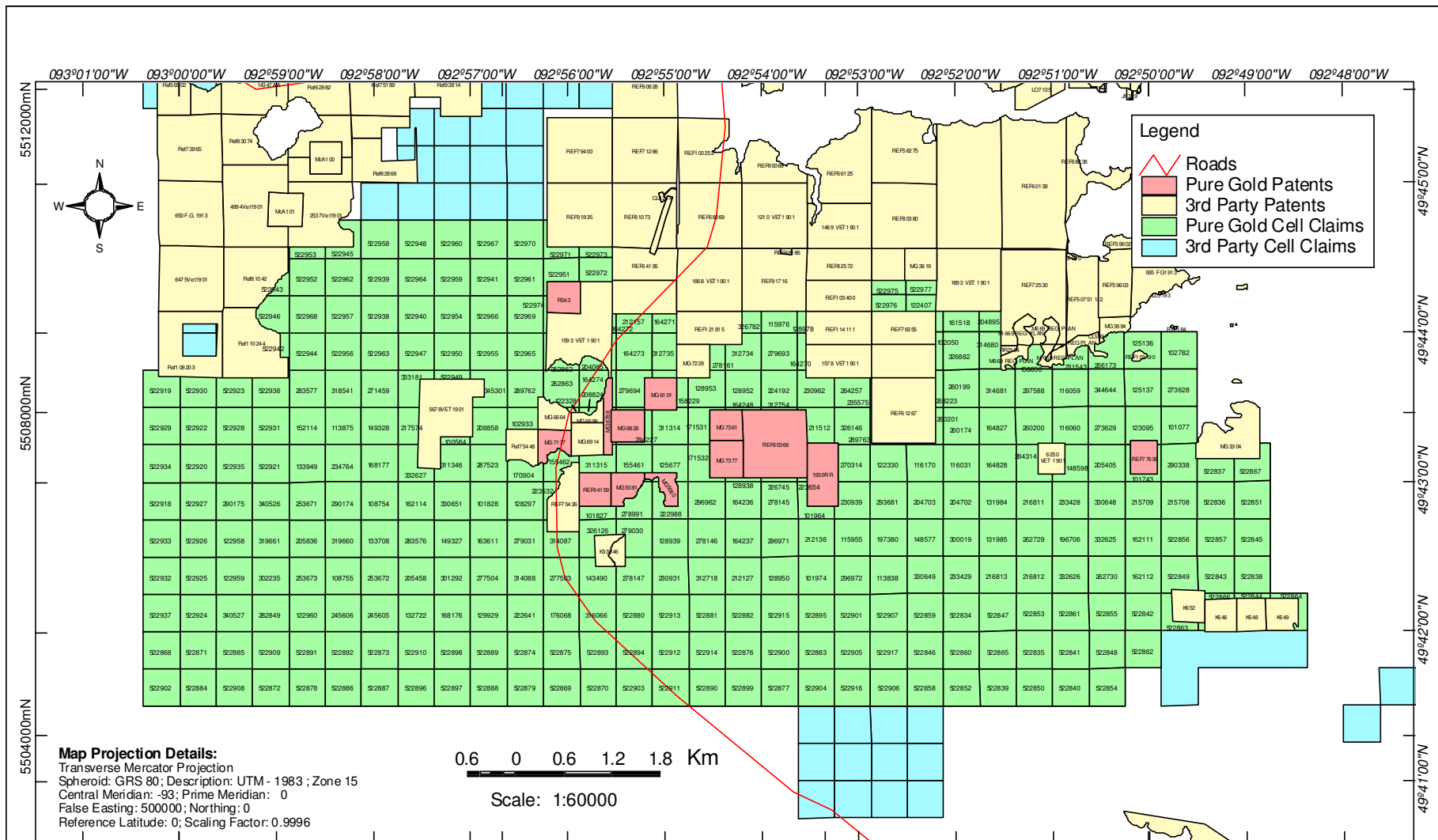
To: KG EXPLORATION (CANADA) INC.
 25 YORK STREET 17TH FLOOR
 TORONTO ON M5J 2V5

Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 26-NOV-2019
 Account: KECIBQJN

Project: Van Horne

CERTIFICATE OF ANALYSIS TB19280490

CERTIFICATE COMMENTS									
	ANALYTICAL COMMENTS								
Applies to Method:	NSS is non-sufficient sample. ALL METHODS								
	LABORATORY ADDRESSES								
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, 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						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-AA24</td> <td style="width: 33%;">Au-GRA22</td> <td style="width: 33%;">ME-ICP61</td> <td style="width: 15%;">OA-GRA08b</td> </tr> </table>	Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b				
Au-AA24	Au-GRA22	ME-ICP61	OA-GRA08b						



Map Projection Details:
 Transverse Mercator Projection
 Spheroid: GRS 80; Description: UTM - 1983 ; Zone 15
 Central Meridian: -93; Prime Meridian: 0
 False Easting: 500000; Northing: 0
 Reference Latitude: 0; Scaling Factor: 0.9996

0.6 0 0.6 1.2 1.8 Km
 Scale: 1:60000

<h1>Pure Gold Mining Inc.</h1>	504000mE	Date: 504000mE 13.May.2019	<h1>Van Horne Property Tenures</h1>	508000mE	512000mE	Scale: 1:60000
		Author: S. Deveau		Map Ref. < >		
		Revised:< >		Figure No. < >		
		Revised:< >		Plan No. <>		