Ontario

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.

# Impala Canada
# Lac des Iles Mines Ltd.

# 2019 Exploration Assessment Report on the Camp Lake Project

Lac Des Iles Property

Prepared by:

Claire McGuinness, P.Geo

Jesse Koroscil, G.I.T

Doug Nikkilla, G.I.T

Submitted by:

David Benson, P.Geo

Thunder Bay, Ontario

June 9th, 2021

# Update Table

# Contents

# Introduction

Impala Canada and its wholly owned predecessor, Lac des Iles Mines Ltd. (LDIM) completed 3 diamond drill holes, totalling 1,932 meters on the Camp Lake Project at the Lac des Iles (LDI) mining operation.

One drill contractor was used for this drill program. G4 Forage, based from Val d'Or, Quebec, supplied one drill to complete the program from July 6 to August 13 and from October 17 to November 19, totaling 73 days of drilling.

The Camp Lake Target is an area south of the Camp Lake Fault that has the potential to host palladium deposits similar to the Offset and Roby Deposits. The area is largely untested as holes drilled from surface are in excess of 1000 meters and the Camp Lake Fault can prove difficult to drill. The objective of this program was to discover a potential mineralized zone in the Camp Lake Block.

This report is submitted to satisfy assessment work requirements. A total expenditure of $390,499 is submitted for assessment. Activities documented herein include:

- 1,932 meters in 3 diamond drill holes
- 2,087 samples submitted for assay

# Land Tenure, Location, and Access

The Lac Des Iles Mine is located approximately 90 kilometers north of Thunder Bay in Northwestern Ontario (Figure 1.) The project is part of the Thunder Bay Mining District on provincial NTS grid 52H04H and 52H04I. To access the site from Thunder Bay, head north approximately 90 kilometers on Hwy 527 to the Lac Des Iles Mine Access Road. The access road is fifteen kilometers in length and leads to a manned security entrance. The drill rig was located underground and operated from two levels, 1065 and 1080 Level. See Figure 2.

This report, submitted to obtain assessment work credit, details the results of diamond drilling on mining lease. Lac des Iles Mines Ltd. holds the mining and surface rights for CLM 252 and CLM 253 under a 21-year lease with an expiry date of August 31st, 2027. Leases and Claims held by Impala Canada are shown in Table 1 and Figure 3.

Table 1: Impala Canada Mining Leases at Lac des Iles.

| Claim No. | Parcel | Area (ha) | Lease No. | Due Date | Annual Taxes ($) | Comments |
|---|---|---|---|---|---|---|
| CLM251 | 2982L TB | 235 | 107910 | 2027-Aug-31 | 705 | Surface and Mining Rights |
| CLM252 | 2983L TB | 341.4 | 107911 | 2027-Aug-31 | 1,024 | Surface and Mining Rights |
| CLM253 | 2985L TB | 395.7 | 107909 | 2027-Aug-31 | 1,187 | Surface and Mining Rights |
| CLM254 | 2984L TB | 497.4 | 107908 | 2027-Aug-31 | 1,492 | Mining Rights Only |
| CLM430 | 2531L TB | 348.4 | 108139 | 2027-Sep-30 | 1,045 | Surface and Mining Rights |
| CLM431 | 2532L TB | 1,695.30 | 108138 | 2027-Sep-30 | 5,086 | Surface and Mining Rights |
| **Total** | **6** | **3,513.20** | **-** | **-** | **10,539** | **-** |

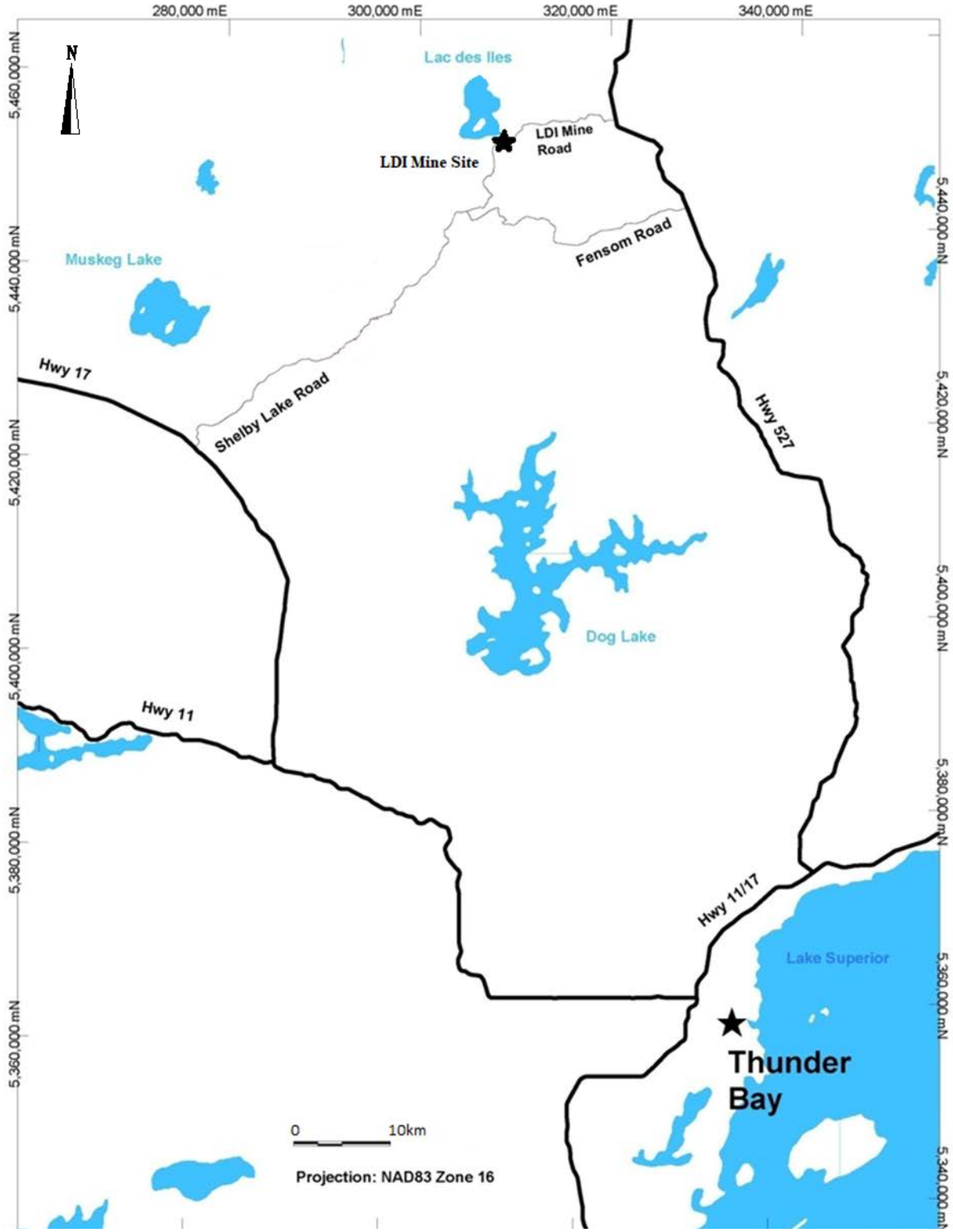



Figure 1: LDI mine property location map.

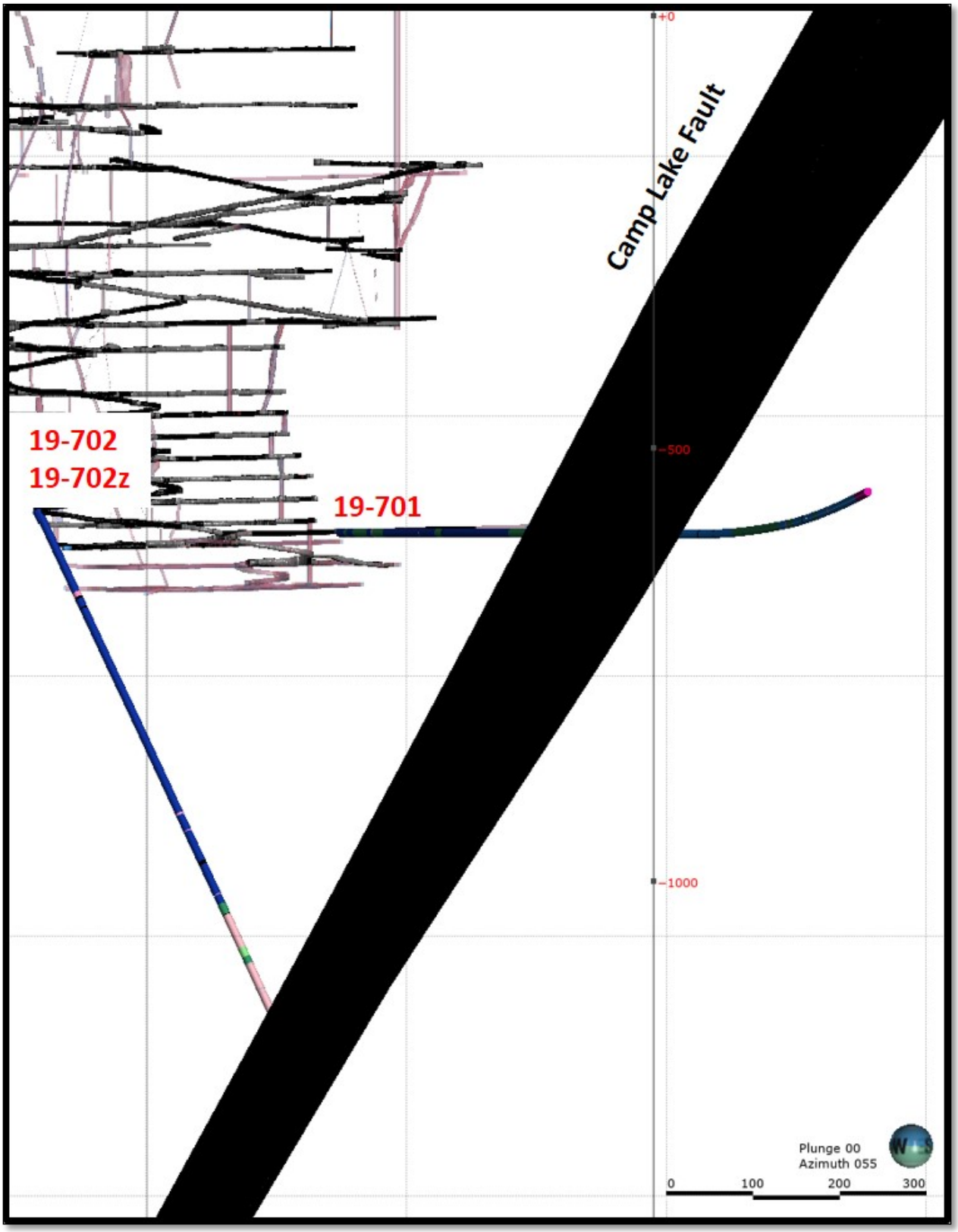



Figure 2: 3D view showing drill traces and infrastructure. View looking northeast.

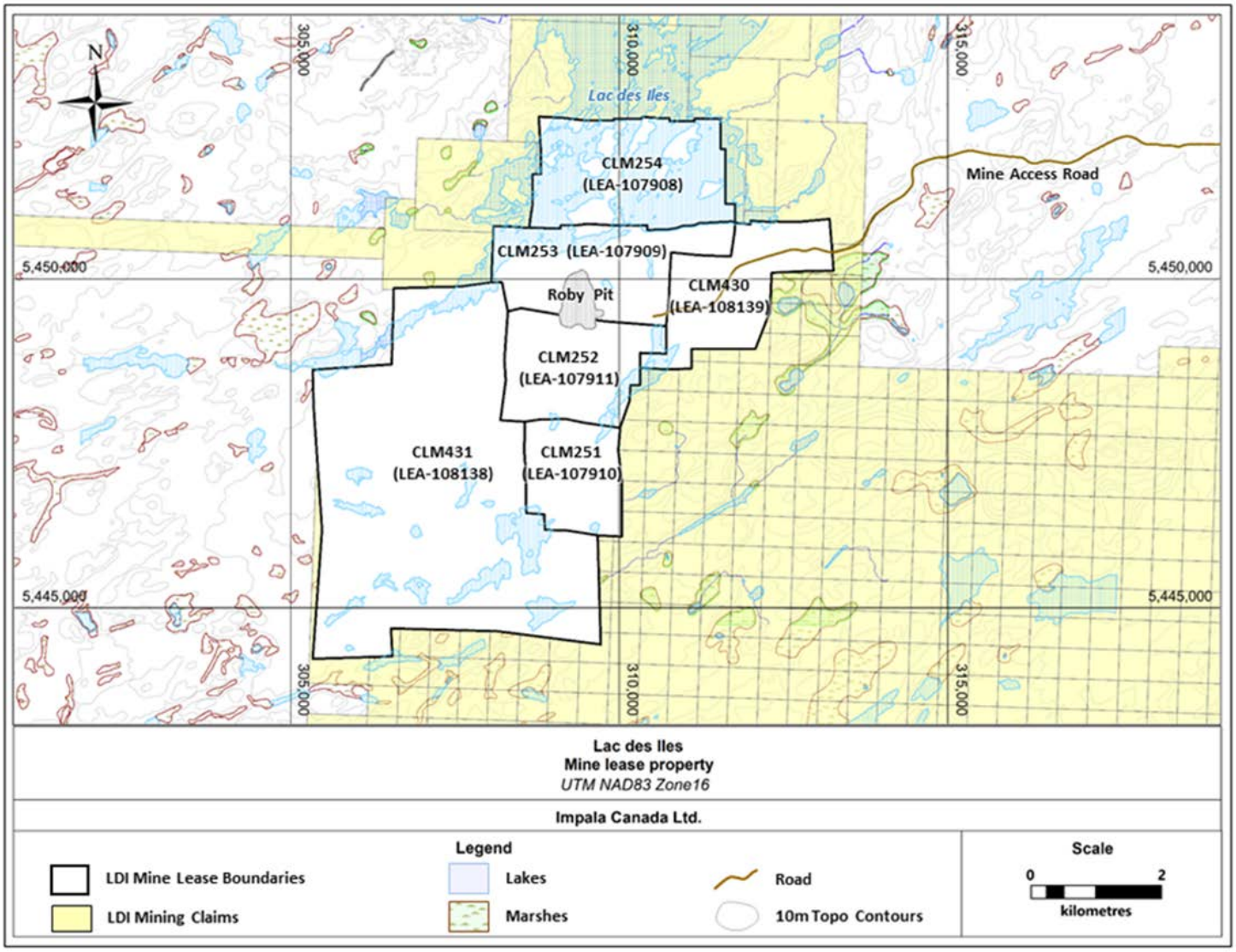



Figure 2: Land tenure of the LDI Mine Property.

## Regional Geology

Most of the information presented in this section is sourced from the Open File Report OFR6120 Project Unit 95-014; *Regional Geology of the Lac des Iles Area* (Stone et al. 2003). Information presented here was also sourced from *NI 43-101 Technical Report: Feasibility Study Incorporating the Life of Mine Plan for Lac des Iles Mine, Thunder Bay, Ontario, Canada* (Buss et al. 2017). Additional sources are referenced where appropriate.

The Lac Des Iles mine is located in the eastern part of the Central Wabigoon subprovince of the Archean Superior Structural Province. It is part of the Lac des Iles Suite of Neoarchean mafic to ultra-mafic intrusions that occur within an approximately 42 kilometer diameter circular perimeter comprising the Lac des Iles intrusions, the Tib Lake intrusion, the Buck Lake intrusion, the Wakinoo/Demars intrusion, the Bullseye intrusion, the Chisamore Intrusion, Shelby River Intrusion and the Dog River intrusion (see Figure 4). The intrusions are located immediately to the north of the Quetico Subprovince and directly west of the Nipigon embayment of the Mid-continent Rift System. These intrude a series of tonalite and tonalite gneiss, with some biotite granodiorite, granite, and sanukitoid rocks in the immediate area. The Quetico terrain boundary runs SW-NE immediately to the south of these intrusions. (Stone, D. 2010)

The easternmost bodies of the Lac des Iles suite of intrusions are the LDI Igneous Complex (LDI-IC) and the Legris Lake complex. Both the LDI-IC and the Legris Lake complex appear to have been emplaced along northeast-trending splay structures (e.g., Shelby Lake fault) emanating from the Quetico Fault Zone (*see* Figure 4). The Quetico Fault Zone is a collisional structural boundary between the Quetico and Wabigoon subprovinces that formed during the Shebandowanian orogeny at approximately 2695 Ma (Corfu and Stott 1986). Similarly, many of the Lac des Iles suite intrusions located in the western part of the Lac des Iles area are spatially associated with northeast- to north-striking faults that splay off this collisional boundary.

The intrusions range in size from 1 to 10 kilometers and vary compositionally from leucogabbro and gabbronorite with rare anorthosite to peridotite and pyroxenite. The intrusions crosscut most rock types except for biotite granite dikes and Proterozoic-aged intrusions. Archean rocks are observed to be intruded by Proterozoic-aged (~1100 Ma) diabase dikes and sills of the Nipigon Sill Complex of the Mid-Continent Rift (MCR). They are typically medium grained, massive, and dark grey weathering brown and locally pyroxene phyric.

Uranium-lead age determinations for zircons contained in the mafic rocks show that the Lac des Iles suite intrusions were likely emplaced between 2699 and 2686 Ma (Stone and Davis 2006). This age overlaps with regional sanukitoid magmatism in both the Wabigoon Terrane and the Quetico Subprovince.

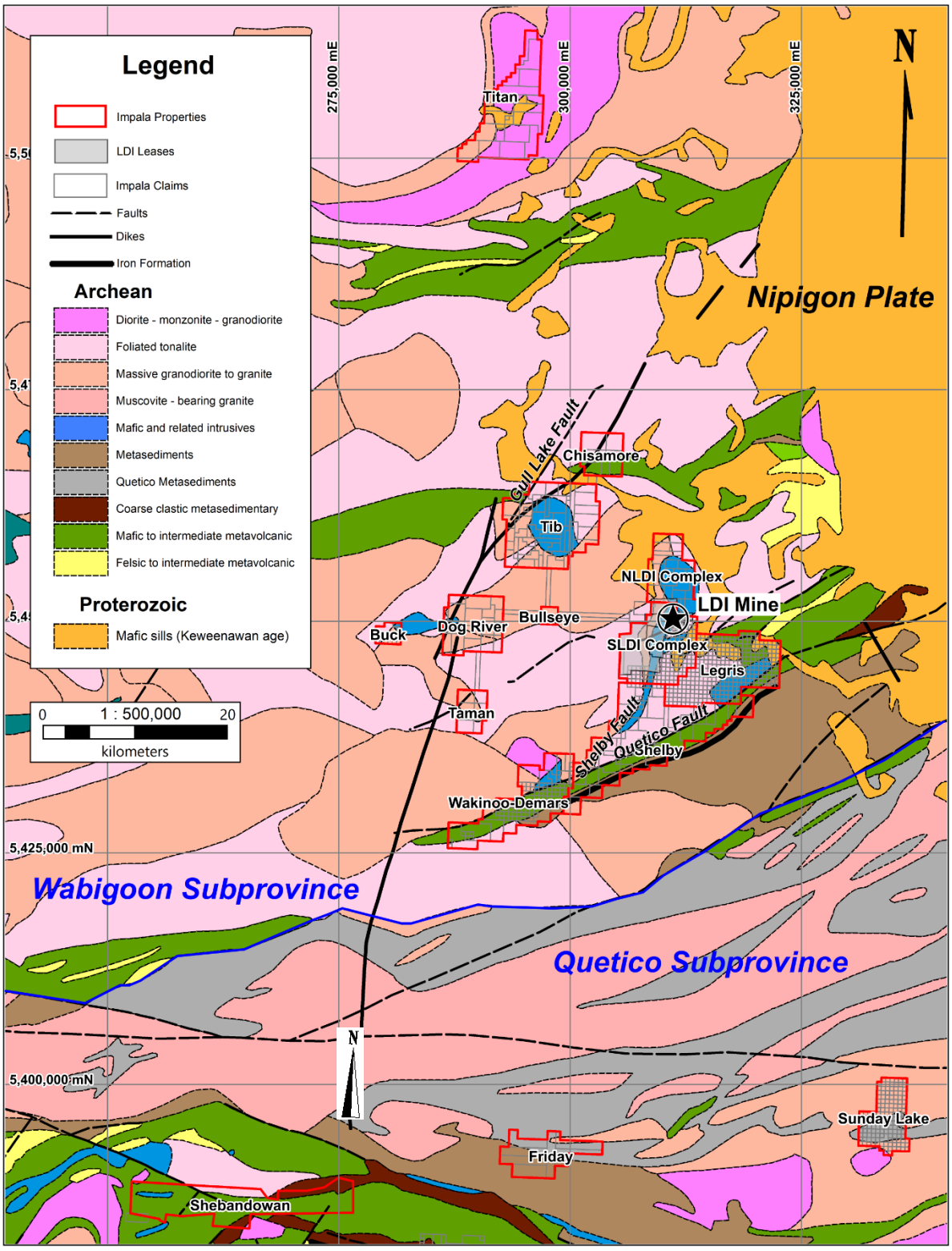



Figure 3: Regional geology of the Lac des Iles suite intrusions.

# Property Geology

A recent NAP Technical Report (Buss et al. 2017) describes the LDI mine property as follows:

The Property captures the known extent of the Lac Des Iles Intrusive Complex, an irregularly shaped Neoarchean-age mafic-ultramafic intrusive body having maximum dimensions of approximately 9 km in the north-south direction and approximately 4 kilometers in the east-west direction (Figure 5). The complex is interpreted to be made up of three discrete intrusive bodies:

- The North Lac des Iles intrusion (NLDI) characterized by a series of relatively flat-lying and nested ultramafic bodies with subordinate mafic rocks;
- The Mine Block intrusion (MBI); and
- The Camp Lake Intrusion; a poorly exposed/documented gabbroic to dioritic intrusion, in the southwestern part of the property

The principal rock types in and adjacent to the LDI Igneous Complex are discussed below with reference to the host intrusion and the property geology map (Figures 5 and 6). The term gabbro or gabbroic is applied as a general indicator of any mafic intrusive rock having a mineral assemblage dominated by plagioclase and pyroxene (either orthopyroxene or clinopyroxene). The 2019 drilling was focused on the Mine Block Intrusion.

## Mine Block Intrusion

The MBI is a small, teardrop-shaped mafic complex with maximum dimensions of 3 by 1.5 kilometers with an elongation in an east-northeast direction (*see* Figure 6). The MBI consists of gabbroic (noritic) rocks and metamorphosed and/or hydrothermally altered equivalents with highly variable plagioclase-pyroxene proportions, textures and structures. Accessory igneous minerals include magnetite and titanium-rich magnetite, ilmenite, and quartz-feldspar granophyre. The MBI was emplaced into predominantly intermediate composition orthogneiss basement rocks. The emplacement age of the MBI has been established by precise uranium-lead zircon methods as 2,689 to 2,693 Ma (Stone and Davis 2006 and references contained therein). The MBI geology is dominated by gabbroic, melanogabbroic and leucogabbroic rock types. The common reference to gabbroic rather than noritic rocks in the many historical reports on the geology of the MBI is a reflection of the continued difficulty in distinguishing the composition of igneous pyroxenes in both outcrop and drill core. This difficulty has resulted in a mixed lithological nomenclature for the MBI in which gabbro, norite, and gabbronorite rock names have been somewhat interchangeably used. However, recent internal and external research has shown that the majority of the mafic rocks in the MBI, especially those associated with palladium mineralization, have clear noritic affinities such that orthopyroxene (as opposed to clinopyroxene) is the earliest-formed and generally most abundant igneous pyroxene in the rocks. In this way, the MBI has affinities to the mafic portions of better-documented mafic-ultramafic complexes such as the Bushveld Complex in South Africa, the Great Dyke in Zimbabwe and the Stillwater Complex in Montana, USA. In terms of its rock types, textures, and mineralization styles the western part of the MBI is generally analogous to the Platreef Deposit of the northern lobe of the Bushveld Complex (Kinnaird and MacDonald 2005; Kinnaird et al. 2005).

Textural and mineralogical variability is greatest in the outer margins of the MBI, especially along the well-documented western and northern margins that host most of the known palladium resources and palladium-rich mineralized zones on the Property. Commonly observed textures in the noritic marginal units of the MBI include equigranular, fine- to coarse-grained (seriate textured), porphyritic, pegmatitic and varitextured. The interior portions of the MBI consist of more regularly textured and evolved rock types including magnetite gabbro and leucogabbro (*see* Figure 6).

Varitextured gabbroic (VGAB) units in the northern and western margins locally occur within irregular shaped heterolithic gabbro breccia zones. The most common style of breccia in these areas contains cognate mafic to ultramafic xenoliths of highly variable form and size within a matrix of VGAB. Other styles of igneous breccias are locally observed in the MBI, including those containing abundant basement gneiss clasts and others having a pyroxenitic matrix and leucogabbro and/or VGAB clasts. Internal to the varitextured rim of the western and northern MBI is a foliated medium-grained gabbro referred to as equigranular gabbro (EGAB; formerly named “East Gabbro”). In the westernmost part of the MBI an informally named unit (pyroxenite = PYXT) is commonly developed along the contact between the VGAB unit (footwall side) and the EGAB unit (hanging wall side). In the central parts of both the Roby and Offset zones, the PYXT unit hosts most of the highest-grade palladium mineralization. Recent research has demonstrated that the PYXT unit is a highly sheared, schistose and recrystallized norite to melanorite originally comprising cumulus orthopyroxene, disseminated magmatic sulfides, cumulus and intercumulus plagioclase and minor intercumulus clinopyroxene. The continued use of this informal but petrologically inaccurate name (i.e., PYXT) reflects a decision to maintain consistency in referencing the major geological units in the LDI mine.

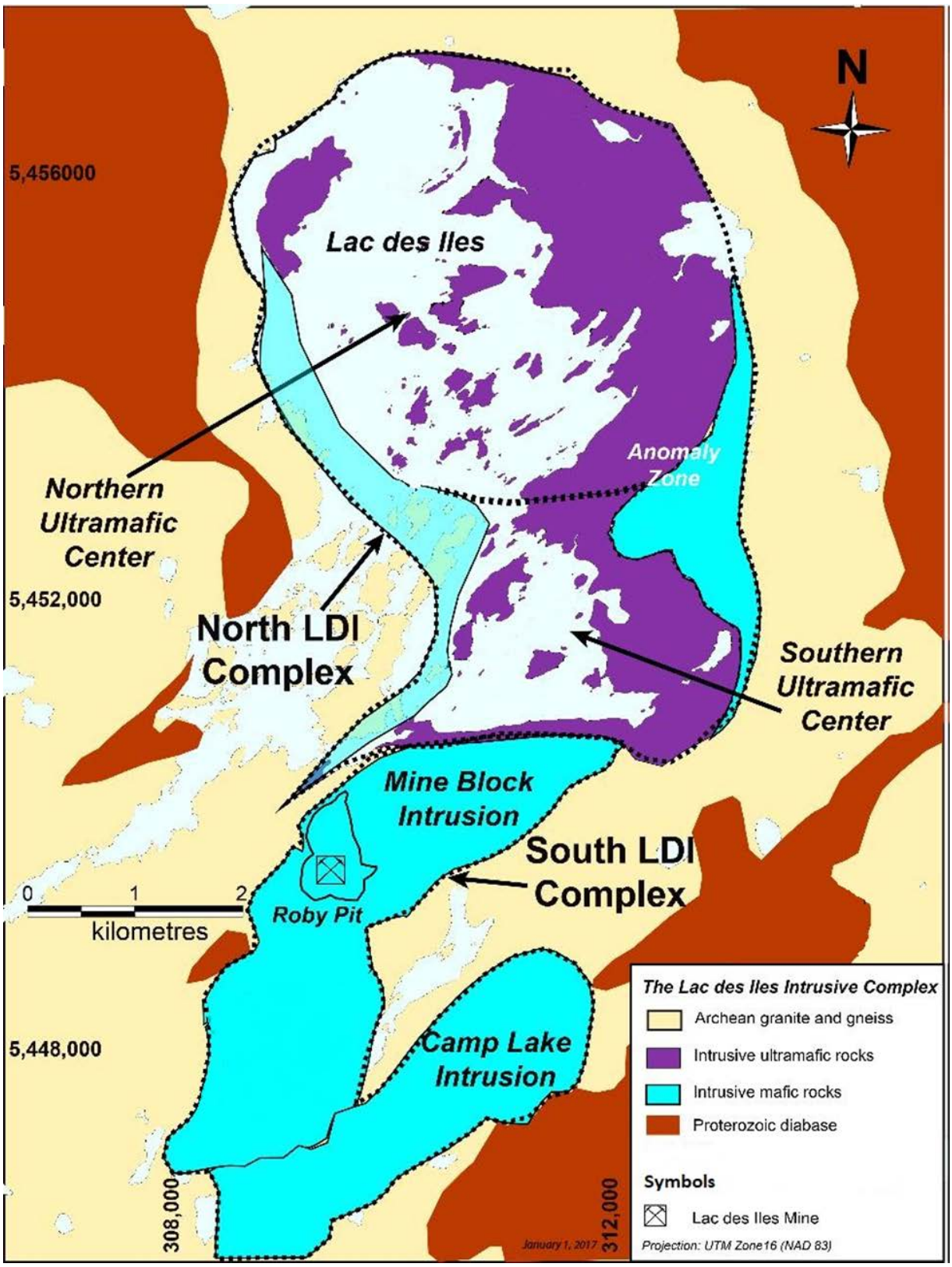



Figure 4: Simplified geology of the LDI intrusive complex (modified from Buss et al. 2017).

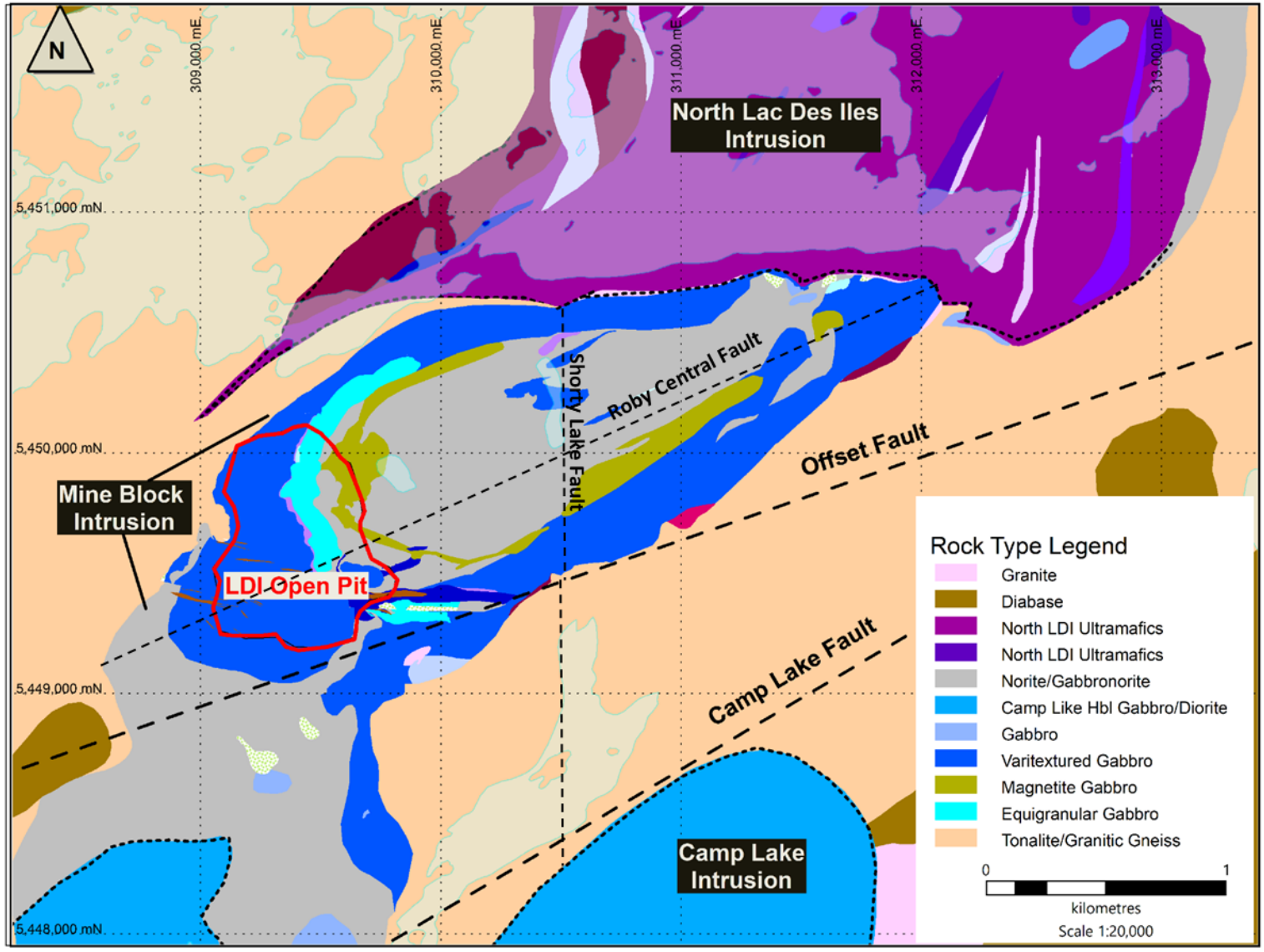



Figure 5: Simplified property geology, (modified from Buss et al. 2017).

## Exploration History

1963: Discovery of Cu-Ni sulphide mineralization south of Lac des Iles by W. Baker and G. Moore. *(Lavigne et al, 2005)*

1974: Boston Bay Mining discovers the Roby Zone in surface drill holes

1986: Geological Mapping and studies by *Sutcliffe*, *Sutcliffe and Sweeny* and others.

1993: Madeleine Mines changes name to North American Palladium (NAP). Open pit mining at commences at Lac Des Iles.

2000: 63 diamond drill hole program conducted by NAP. Offset Zone discovered.

2001: Major expansion to mining operations (~50,000 tpd) and milling (~16,000tpd.) *(Tait, 2012.)*

2004: Underground development commences.

2006: Underground commercial production achieved (mining Roby Zone).

2008: Lac Des Iles Mine put on care and maintenance because of depressed commodity prices.

2010: Lac Des Iles restarts operations in May.

2012: NAP flies a VTEM and airborne magnetic survey over the LDI suite of properties, including the Mine Block Intrusion.

2013: Roby Zone open pit activities cease.

2014: Construction of 825 meter deep shaft was completed. 3 holes were drilled into the Camp Lake area, one hole intersected mineralization on the South side of the Camp Lake Fault (14-974).

2015: Ground magnetic survey conducted by Abitibi Geophysics, south the Roby Open Pit. Two drill holes from 2014 were extended and intersected mineralization in the Camp Lake Block (15-14-911EXT, 15-14-918w1ext).

2016: Start of transition from a long hole stoping to a sub level shrinkage (SLS) mining method. Production from the upper levels of SLS was achieved in the second half of 2016. Exploration completes 37 drill holes- primarily conversion drilling of the Lower Offset Zone and B2 Zone infill & expansion.

2017: Conversion to the SLS mining method in the Lower Offset Zone completed. Exploration completes 16 underground diamond drill holes- 4 targeting Mystery Zone, 8 targeting Lower Offset.

2018/2019: North American Palladium completes ten diamond drill holes in order to better delineate a potential mineralized body “C-Zone.”

## Exploration Plans and Permits

Exploration activities for the 2019 Camp Lake exploration program lie on Mining Lease 107911 and 107909 (CLM 252 and 253). No permit was required for this program as all work on the property is subject to the Lac des Iles Mine Closure Plan.

## 2019 Diamond Drilling

One drill contractor completed three diamond drill holes totaling 1935 meters. G4 Forage, based from Val d'Or Quebec supplied one drill to complete the program and the drill operated for 73 days in total. Upon completion of a drill hole, an exploration employee would conduct a downhole survey using a Reflex SPRINT-IQ tool. The drill contractor cemented the first three meters of all drill holes. Drill hole location details are summarized in Table 2 and shown in Appendix C.

The objective of this program was to discover a mineralized zone in the Camp Lake Block. It is interpreted that the Camp Lake Target represents the continuation of the north-south striking, sub-vertical mineralization in the Roby and Offset Zones. Information regarding the Camp Lake Fault is limited, but the current model suggests that the fault strikes west-southwest and dips moderately to the west northwest. Mineralization intersected in drill hole 15-14-918w1ext suggests that the lateral movement on the fault is dextral.

This program tested two areas south of the Camp Lake Fault. Drill hole 19-701 was drilled from 1065 level and planned to test the upwards projection of mineralization intersected in historical drill hole 15-14-918w1z. 19-702z was drilled from 1055 Level and was designed to test the lateral continuity of high grade mineralization intersected in drill hole 15-14-918w1z.

Results of the drilling program are summarized below with drill logs provided in Appendix B and plan maps and cross sections provided in Appendix C. Drill core was brought up in the shaft and delivered to the logging area by Lac Des Iles Mine Site employees. Each box was laid out in order, logged using Datamine DDH Logger software, and photographed by a geologist prior to the core being sawn and sampled using appropriate QAQC methods. Buss et al. (2017) provides a more detailed review of protocols utilized by the Exploration department. Exploration personnel delivered samples to ALS Laboratories in Thunder Bay where they were processed and then sent to Vancouver for analysis. A total of 2087 samples were submitted for assay (1923 samples and 164 certified reference standards or blanks), with totals for each hole outlined in Table 3. Assay highlights for the 2019 drill program are included in Table 4, with assay certificates in Appendix D.

Table 2: Diamond drill hole details. Co-ordinates reported in UTM NAD 83, Z16

| Hole ID | Easting | Northing | Elevation | Azimuth | Dip | Depth (m) |
|---|---|---|---|---|---|---|
| 19-701 | 309316.50 | 5449127.49 | -564.35 | 197.13 | -0.26 | 1152 |
| 19-702 | 309233.44 | 5449490.15 | -538.00 | 180.00 | -60 | 15 |
| 19-702z | 309233.69 | 5449488.05 | -538.81 | 180.77 | -60.05 | 765 |

Table 3: Total samples submitted from the 2019 diamond drilling program

| Hole ID | Number of core Samples sent for assay (ALS) | Number of standards sent for assay (ALS) | Total number of samples |
|---|---|---|---|
| 19-701 | 1159 | 97 | 1256 |
| 19-702 | 0 | 0 | 0 |
| 19-702z | 764 | 67 | 831 |
| **Total** | **1923** | **164** | **2087** |


Figure 6: Camp Lake Drill Traces projected to surface over infrastructure (1:7500 scale, NAD 83/Z16).

# Results

## 19-701

Purpose: This drill hole was designed to test the upward projection of high grade mineralization intersected in drill hole 15-14-918w1ext.

Drill hole 19-701 collared into an alternating sequence of norite, varitextured norite and gabbro hosting pockets of 0.5-1.5% blebby to disseminated pyrrhotite and chalcopyrite. The Camp Lake fault is intersected between 371.46-386.37 meters depth, expressed as a strongly chlorite-actinolite altered zone with schistose foliation and subparallel fault planes. Following the fault, the drill hole intersected alternating units of varitextured gabbro and norite. From 987 meters to the end of hole at 1152 meters depth, the drill hole passes through quartz diorite, diorite and medium-grained gabbro.

The majority of the sulphide mineralization is hosted in varitextured gabbro breccia from 409 to 523 depth and consists of pyrrhotite and chalcopyrite in an abundance 0.5-3.0%. A significant intercept of 1-2% blebby chalcopyrite-pyrrhotite occurs between 917 and 930 meters depth, hosted in varitextured gabbro. Although sulphide mineralization is observed within the target zone, neither interval correlates with palladium mineralization and returned only weakly anomalous copper and nickel values.

## 19-702

Purpose:  This drillhole was designed to test the lateral continuity of the mineralized intercept encountered in 15-14-918WExt1.

Drill hole 19-702 collared into varitextured gabbro to a depth of 15 meters. The drill trajectory was tested and the hole terminated due excessive deviation.

## 19-702z

Purpose: This drillhole was designed to test the lateral continuity of the mineralized intercept encountered in 15-14-918WExt1.

Drill hole 19-702z collared into intersected varitextured gabbro with minor amounts of quartz diorite to 542 meters depth. Tonalite is the dominant lithology intersected from 542 to 762.4 meters depth with minor amounts of quartz diorite, gabbro and late intermediate dykes. The drill hole intersects the Camp Lake Fault at 762.4 to 765 meters depth where the rods were jammed and the drill hole abandoned prior to intersecting the target. The most significant assay result returned is 73 meters averaging 1.01 g/t palladium from 124 to 197 meters depth. This mineralization correlates with the previously identified B3 zone.

Table 4: Assay Highlights from the 2019 Camp Lake drill program.

| Hole_ID | Nested | From | To | Length (m) | Pt (g/t) | Pd (g/t) | Au (g/t) | Ni | Cu |
|---|---|---|---|---|---|---|---|---|---|
| 19-702z | | **57.0** | **94.0** | **37.0** | 0.11 | **1.19** | 0.09 | 0.10 | 0.07 |
| 19-702z | *incl* | 86.0 | 92.0 | 6.0 | 0.17 | **2.23** | 0.18 | 0.13 | 0.12 |
| 19-702z | | **124.0** | **197.0** | **73.0** | 0.14 | **1.01** | 0.05 | 0.08 | 0.06 |
| 19-702z | *incl* | 177.0 | 179.0 | 2.0 | 0.83 | **10.44** | 0.42 | 0.42 | 0.43 |
| 19-702z | | **284.0** | **294.0** | **10.0** | 0.15 | **1.08** | 0.11 | 0.10 | 0.09 |
| 19-702z | | **413.0** | **437.0** | **24.0** | 0.14 | **1.02** | 0.12 | 0.07 | 0.04 |
| 19-702z | *incl* | 435.0 | 436.0 | 1.0 | 1.23 | **4.86** | 0.22 | 0.22 | 0.14 |
| 19-702z | | **585.0** | **599.0** | **14.0** | 0.20 | **1.53** | 0.25 | 0.17 | 0.22 |
| 19-702z | *incl* | 596.0 | 597.5 | 1.5 | 0.66 | **4.91** | 0.60 | 0.38 | 0.41 |

## Conclusions and Recommendations

Although 19-701 intersected promising host lithologies with significant sulphide percentages, the drill hole failed to intersect any palladium mineralization in the target zone. Mineralization intersected by drill hole 19-702z represents known mineralization of the B3 zone, and did not reach the target zone. Future work should include a compilation and reinterpretation of historical drill hole data in proximity to the Camp Lake Fault to better understand and model the geology on either side of the fault. Further drilling should aim to test the lithological contact between norite and equigranular gabbro. This lithological contact is known to host mineralization in both the Roby and Offset blocks. It is recommended that another attempt is made to follow up on the significant mineralization intersected by historical drill hole 15-14-918ExtW1z.

## Statement of Expenditures

The total value of work completed for each claim on the 2019 Camp Lake Drilling Project is summarized in Table 5. A more detailed statement of expenditures is summarized in Table 6 and Table 7.

Table 5: Statement of expenditures for claims on the Camp Lake drill program

| Total Costs | | Total Costs | |
|---|---|---|---|
| Personnel (LDI & Contractors) | $31,825.00 | Personnel (LDI & Contractors) | $3,075.00 |
| Food and Accomodation (Camp) | $70,880.00 | Food and Accomodation (Camp) | $5,280.00 |
| Transportation | $881.25 | Transportation | $117.50 |
| Fuel | $750.00 | Fuel | $100.00 |
| Drilling | $204,537.52 | Drilling | $14,512.64 |
| Assay Analyses | $55,006.05 | Assay Analyses | $3,534.30 |
| **Total Expenditure** | **$363,879.82** | **Total Expenditure** | **$26,619.44** |
| Meters Drilled | | Meters Drilled | |
| 1804 | CLM 252 | 128 | CLM 253 |

Table 6: Detailed allocation of expenditures on the Camp Lake Project CLM 252

| **Personnel** | Days | Cost |
|---|---|---|
| Geologist (80 m/day @ $550/day) | 23 | $12,650.00 |
| Geological Technician (100 m/day @ $425/day) | 15 | $6,375.00 |
| Core Cutter (80 m/day @ $425/day) | 23 | $9,775.00 |
| Supervisor (Max Days *.5 @ $550/day) | 11 | $3,025.00 |
| Total Cost | | **$31,825.00** |
| | | |
| **Food and Accomodation (Camp)** | Days | Cost ($40/day) |
| Geologist (No. Days) | 23 | $920.00 |
| GeoTech (No. Days Tech) | 15 | $600.00 |
| GeoTech (No. Days Saw) | 23 | $920.00 |
| Supervisor/Manager (No. Days*.5) | 11 | $440.00 |
| Drill Crew (4 + Supervisor) | 340 | $68,000.00 |
| **Total Days** | 412 | **$70,880.00** |
| | | |
| **Assay Analyses** | | |
| **Total Cost** | | **$55,006.05** |
| | | |
| **Transport- Personnel** | | |
| FUEL-Personnel Trips To/From Mine (7x7 Rotation, 50L/trip @ $1.00/L) | 8 | $400.00 |
| VEHICLE COSTS-Trips (125km/trip*/.47km for maintenace, insurance, registration, etc) | 8 | $470.00 |
| **Total Cost** | | **$870.00** |
| | | |
| **Transport- Samples** | | |
| FUEL- Sample Trucks To From Lab (312 samples per trip, 50L/trip @ 1.00/L) | 7 | $350.00 |
| VEHICLE COSTS (125km/trip*/.47km for maintenace, insurance, registration, etc) | 7 | $411.25 |
| **Total transport cost** | | **$761.25** |
| | | |
| **Drilling** | | |
| **Total Cost** | | **$204,537.52** |

Table 7: Detailed allocation of expenditures on the Camp Lake Project CLM 253

| **Personnel** | Days | Cost |
|---|---|---|
| Geologist (80 m/day @ $550/day) | 2 | $1,100.00 |
| Geological Technician (100 m/day @ $425/day) | 2 | $850.00 |
| Core Cutter (80 m/day @ $425/day) | 2 | $850.00 |
| Supervisor (Max Days *.5 @ $550/day) | 1 | $275.00 |
| Total Cost | | **$3,075.00** |
| | | |
| **Food and Accomodation (Camp)** | Days | Cost ($40/day) |
| Geologist (No. Days) | 2 | $80.00 |
| GeoTech (No. Days Tech) | 2 | $80.00 |
| GeoTech (No. Days Saw) | 2 | $80.00 |
| Supervisor/Manager (No. Days*.5) | 1 | $40.00 |
| Drill Crew (4 + Supervisor) (144 days) | 25 | $5,000.00 |
| **Total Days** | 32 | **$5,280.00** |
| | | |
| **Assay Analyses** | | |
| **Total Cost** | | **$3,534.30** |
| | | |
| **Transport- Personnel** | | |
| FUEL-Personnel Trips To/From Mine (7x7 Rotation, 50L/trip @ $1.00/L) | 1 | $50.00 |
| VEHICLE COSTS-Trips (125km/trip*/.47km for maintenace, insurance, registration, etc) | 1 | $58.75 |
| **Total Cost** | | **$108.75** |
| | | |
| **Transport- Samples** | | |
| FUEL- Sample Trucks To From Lab (312 samples per trip, 50L/trip @ 1.00/L) | 1 | $50.00 |
| VEHICLE COSTS (125km/trip*/.47km for maintenace, insurance, registration, etc) | 1 | $58.75 |
| **Total transport cost** | | **$108.75** |
| | | |
| **Drilling** | | |
| **Total Cost** | | **$14,512.64** |

# References


Buss, B., Roney, C., Peck, D., Decharte, D., Marrs, G., Canosa, J., Hutton, K., Ritchie, L., and Therrien, L., 2017. NI 43-101 Technical Report: Feasibility study incorporating the life of mine plan for Lac des Iles Mine, Thunder Bay, Ontario, Canada; North American Palladium and Nordmin Resource & Industrial Engineering, Report# 16378-2017, 925 p.

Corfu, F. and Stott, G.M., 1986. U-Pb ages for late magmatism and regional deformation in the Shebandowan Belt, Superior Province, Canada; Canadian Journal of Earth Sciences, v. 23, p. 1075–1082.

McGuinness, C., 2019. Camp Lake Diamond Drill Proposal. Internal Document.

Decharte, D., Hofton, T., Marrs, G., Olson, S., Peck, D., Roney, C., Perusse, C., Taylor, S., Thibodeau, D., Young, B., 2018. NI 43-101 Technical Report: Feasibility Study for Lac des Iles Mine Incorporating Underground Mining of the Roby Zone, Thunder Bay, Ontario, Canada; North American Palladium, 889 p.

Steward, R. and Mumin, A, 2015. Diamond Drilling Assessment Report on the Lac Des Iles Mine Property, Thunder Bay Mining Division, Northwestern Ontario, MNDM Assessment File 2.55873.

Stone, D., 2010. Ontario Geological Survey Open File Report 5421 “Precambrian Geology of the Central Wabigoon Subprovince Area, Northwestern Ontario”, Pg.42.

Stone, D. and Davis, D.W., 2006. Revised tectonic domains of the south-central Wabigoon Subprovince; *in* Summary of Field Work and Other Activities 2006, Ontario Geological Survey, Open File Report 6194, p. 11-1 to 11-18.

Stone, D., Lavigne, M.J., Schnieders, B., Scott, J., and Wagner, D. 2003. Regional geology of the Lac des Iles area; *in* Summary of Field Work and Other Activities 2003, Ontario Geological Survey, Open File Report OFR6120, Project Unit 95-014 p. 15-1–15-25.

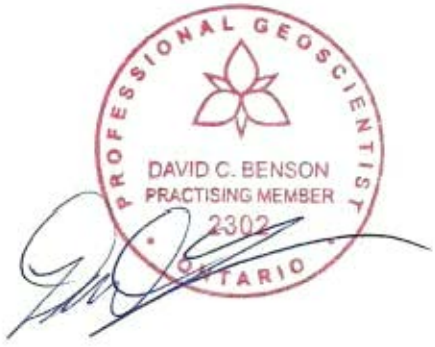
Sutcliffe, R.H., 1986. Regional Geology of the Lac des Iles Area, District of Thunder Bay. In Summary of Field Work and Other Activities 1986. Ontario Geological Survey Miscellaneous Paper 132, p. 70-75. Sutcliffe,

# Statement of Qualifications

**DAVID CHARLES BENSON**
**36 MARSTON DRIVE**
**HEADINGLEY, MB R4H 1J7**

1. I, David Benson, am a practicing professional geologist in both Ontario and Manitoba: APGO (#2302) and EGM (#25701).
2. I am a licenced Prospector in the Province of Ontario (#1012682) and have completed the Mining Act Awareness Program for Supervisors (#B7A9-447E-B5B3-CF67).
3. I graduated with a Bachelor's of Sciences degree (First Class Honours) in the Geological Sciences from the University of Manitoba in 2001.
4. I am currently the Exploration Manager for Impala Canada Ltd. and have been continually been employed by the company since 2012.
5. I have authored or co-authored seven (7) NI 43-101 Mineral Property Reports.

Respectfully submitted,




DATE: June 9th, 2021

David Benson
Exploration Manager
Impala Canada Ltd.
556 Tenth Ave.
Thunder Bay, ON
(807) 448-2416
davebenson@impalacanada.com

# Appendix A: List of Leases on which work was performed

| Lease | Claim No. | Township | Parcel | Land Area (Hectares) | Lease Type | Due Date | Annual Taxes ($) | Comments |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| LEA-107911 | CLM252 | LAC DES ILES | 2983L TB | 341.4 | 21 Year Lease | 2027-Aug-31 | 1,024 | Surface and Mining Rights |
| | | | | | | | | |
| LEA-107909 | CLM253 | LAC DES ILES | 2985L TB | 395.7 | 21 Year Lease | 2027-Aug-31 | 1,187 | Surface and Mining Rights |

# Appendix B: Diamond drill logs

# Detailed Log Report
# Hole Number 19-701

| | | | | | |
|---|---|---|---|---|---|
| **Project Name:** | LDI - Mine | **Primary Coordinates Grid:** | MINE: | **Hole Status:** | Completed |
| **Project Code:** | LDI MINE | **North:** | 31,524.97 | **Length:** | 1,152.00 |
| **Location:** | | **East:** | 31,962.79 | **Hole Size:** | NQ |
| **Start Date:** | Jul 06, 2019 | **Elev:** | -564.35 | **Hole Type:** | DDH |
| **Completed Date:** | Aug 13, 2019 | **Collar Dip:** | -0.26 | **Casing:** | No |
| **Contractor:** | G4 Forage Drilling | **Collar Az:** | 197.13 | **Cemented:** | Yes |
| **Core Storage:** | Lac des Iles Minesite-cross piles | **Destination Coordinates Grid:** | UTM83-16 | **Collar Survey:** | N |
| **Units:** | METRIC | **North:** | 5,449,127.49 | **Multishot Survey:** | N |
| **Start Log:** | Jul 13, 2019 | **East:** | 309,316.50 | **EOH:** | 1,152.00 |
| **End Log:** | Aug 18, 2019 | **Elev:** | -564.35 | **Artesian Cond:** | No |
| **Logged By 1:** | Brigitte Gelinas | **Claim:** | 252 | **Abandon Reason:** | |
| | | | | **Plugged:** | N |
| | | | | **Pulse EM Survey:** | N |

## Detailed Lithology

| From | To | Lithology |
|---|---|---|
| 0.00 | 14.55 | **GAB-Vt**<br>0.0 - 14.55m / GAB VT<br>Dark green, fine- to coarse-grained, massive, varitexture gabbro.<br>10-50% plag, 50-90% altered pyroxenes. Intermittent lenses of LGAB VT.<br>Moderate pervasive chl-act alt.<br>Trace to 0.2-0.3% Py>>Po-Cpy from 5.8-14.16m.<br>Mineralization is disseminated to blebby.<br>Magnetism is low (<1 kappa).<br>Lower ctct is gradational and marked by the change in grain size, from VT to medium-grained.<br>Local zones host more purple plag but pyroxenes are |

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100003 | ASSAY | TB19194567 | 0.00 | 1.00 | 1.00 | 0.016 | 0.003 | 0.005 | 0.025 | 0.047 | 0.007 |
| AB19-100004 | ASSAY | TB19194567 | 1.00 | 2.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.006 | 0.033 | 0.005 |
| AB19-100005 | ASSAY | TB19194567 | 2.00 | 3.00 | 1.00 | 0.006 | 0.003 | 0.005 | 0.019 | 0.056 | 0.008 |
| AB19-100006 | ASSAY | TB19194567 | 3.00 | 4.00 | 1.00 | 0.057 | 0.005 | 0.003 | 0.012 | 0.040 | 0.005 |
| AB19-100007 | ASSAY | TB19194567 | 4.00 | 5.00 | 1.00 | 0.058 | 0.007 | 0.003 | 0.014 | 0.053 | 0.006 |
| AB19-100008 | ASSAY | TB19194567 | 5.00 | 6.00 | 1.00 | 0.029 | 0.005 | 0.014 | 0.037 | 0.058 | 0.006 |
| AB19-100009 | ASSAY | TB19194567 | 6.00 | 7.00 | 1.00 | 0.017 | 0.007 | 0.009 | 0.039 | 0.078 | 0.009 |
| AB19-100010 | ASSAY | TB19194567 | 7.00 | 8.00 | 1.00 | 0.034 | 0.008 | 0.027 | 0.062 | 0.086 | 0.007 |
| AB19-100011 | ASSAY | TB19194567 | 8.00 | 9.00 | 1.00 | 0.018 | 0.003 | 0.008 | 0.043 | 0.074 | 0.008 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | completed altered, could be NOR VT.<br>Local foliated tonalite xenoliths present. | AB19-100012 | ASSAY | TB19194567 | 9.00 | 10.00 | 1.00 | 0.010 | 0.003 | 0.004 | 0.025 | 0.048 | 0.005 |
| | | | AB19-100013 | ASSAY | TB19194567 | 10.00 | 11.00 | 1.00 | 0.034 | 0.008 | 0.013 | 0.038 | 0.055 | 0.005 |
| | | | AB19-100014 | ASSAY | TB19194567 | 11.00 | 12.00 | 1.00 | 0.007 | 0.003 | 0.020 | 0.018 | 0.047 | 0.005 |
| | | | AB19-100015 | ASSAY | TB19194567 | 12.00 | 13.00 | 1.00 | 0.011 | 0.005 | 0.007 | 0.019 | 0.052 | 0.005 |
| | | | AB19-100016 | ASSAY | TB19194567 | 13.00 | 13.75 | 0.75 | 0.051 | 0.014 | 0.013 | 0.035 | 0.058 | 0.007 |
| | | | AB19-100017 | ASSAY | TB19194567 | 13.75 | 14.55 | 0.80 | 0.264 | 0.025 | 0.010 | 0.033 | 0.065 | 0.009 |
| 14.55 | 19.10 | **NOR**<br>14.55 - 19.10m / NOR<br>Purple to dark green, medium-grained, massive, weakly magnetic, norite.<br>20-30% purple plag, 70-80% fresh (bronzite) to altered pyroxenes. Top of interval host more plag (30%) and could represent a more fractionated NOR.<br>Moderate pervasive chl-act alt.<br>Trace min, with 0.3% interval of disseminated to blebby Po-Cpy>Py from 17.52-19.69m, mainly hosted in the fresher looking NOR.<br>Unit is weakly magnetic (0.9-6 kappa).<br>Gradational upper and lower ctct marked by a change in grain size, from med-grained to VT (GAB). | AB19-100018 | ASSAY | TB19194567 | 14.55 | 15.28 | 0.73 | 0.007 | 0.003 | 0.007 | 0.015 | 0.039 | 0.006 |
| | | | AB19-100019 | ASSAY | TB19194567 | 15.28 | 16.00 | 0.72 | 0.119 | 0.031 | 0.005 | 0.013 | 0.037 | 0.005 |
| | | | AB19-100020 | ASSAY | TB19194567 | 16.00 | 17.00 | 1.00 | 0.093 | 0.006 | 0.007 | 0.012 | 0.036 | 0.005 |
| | | | AB19-100022 | ASSAY | TB19194567 | 17.00 | 18.00 | 1.00 | 0.091 | 0.009 | 0.019 | 0.032 | 0.045 | 0.007 |
| | | | AB19-100023 | ASSAY | TB19194567 | 18.00 | 19.10 | 1.10 | 0.046 | 0.020 | 0.013 | 0.023 | 0.041 | 0.005 |
| 19.10 | 30.66 | **GAB-Vt**<br>19.10 - 30.66m / GAB VT<br>Green, fine- to coarse-grained, massive, varitexture gabbro.<br>20-30% plag, 70-80% altered pyroxenes.<br>Moderate pervasive chl-act alt.<br>Trace to 0.2% Py-Po-Cpy disseminated from 22.0-27.9m.<br>Gradational upper and lower ctct, transitioning to more NOR. Local felsic dikes and qtz veins. | AB19-100024 | ASSAY | TB19194567 | 19.10 | 20.00 | 0.90 | 0.543 | 0.042 | 0.051 | 0.043 | 0.045 | 0.005 |
| | | | AB19-100025 | ASSAY | TB19194567 | 20.00 | 21.00 | 1.00 | 0.122 | 0.012 | 0.010 | 0.022 | 0.055 | 0.007 |
| | | | AB19-100026 | ASSAY | TB19194567 | 21.00 | 22.00 | 1.00 | 0.216 | 0.022 | 0.031 | 0.039 | 0.067 | 0.008 |
| | | | AB19-100027 | ASSAY | TB19194567 | 22.00 | 23.00 | 1.00 | 0.308 | 0.026 | 0.037 | 0.054 | 0.060 | 0.008 |
| | | | AB19-100028 | ASSAY | TB19194567 | 23.00 | 24.00 | 1.00 | 0.056 | 0.005 | 0.013 | 0.025 | 0.045 | 0.007 |
| | | | AB19-100029 | ASSAY | TB19194567 | 24.00 | 25.00 | 1.00 | 0.219 | 0.018 | 0.007 | 0.019 | 0.039 | 0.005 |
| | | | AB19-100030 | ASSAY | TB19194567 | 25.00 | 26.00 | 1.00 | 0.078 | 0.005 | 0.006 | 0.022 | 0.054 | 0.007 |
| | | | AB19-100031 | ASSAY | TB19194567 | 26.00 | 27.00 | 1.00 | 0.008 | 0.003 | 0.002 | 0.008 | 0.039 | 0.006 |
| | | | AB19-100032 | ASSAY | TB19194567 | 27.00 | 28.00 | 1.00 | 0.018 | 0.005 | 0.010 | 0.029 | 0.054 | 0.007 |
| | | | AB19-100033 | ASSAY | TB19194567 | 28.00 | 29.00 | 1.00 | 0.036 | 0.007 | 0.003 | 0.007 | 0.038 | 0.006 |
| | | | AB19-100034 | ASSAY | TB19194567 | 29.00 | 30.00 | 1.00 | 0.025 | 0.005 | 0.004 | 0.008 | 0.041 | 0.006 |
| | | | AB19-100035 | ASSAY | TB19194567 | 30.00 | 30.66 | 0.66 | 0.118 | 0.011 | 0.015 | 0.028 | 0.047 | 0.007 |

| From | To | Lithology |
|---|---|---|
| 30.66 | 57.26 | **NOR** |

30.66 - 57.26m / NOR-NOR VT-GAB VT
Mixed interval of norite, varitexture norite and varitexture gabbro. The interval is dominantly (60%) medium-grained, massive, weakly magnetic norite.
Moderate pervasive chl-act alt.
Trace mineralization except for intervals: 31.4-34m 0.4% disseminated Po-Cpy-Py, 34.0-36.15m 1% blebby to interstitial Po-Cpy (mainly in relatively fresh norite). Spotty disseminated Po-Cpy-Py for rest of interval.
Low mag (1-11 kappa).
Gradational upper and lower ctcts, and gradational interval ctcts .
Local qtz veins and felsic dikes.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100036 | ASSAY | TB19194567 | 30.66 | 31.36 | 0.70 | 0.003 | 0.003 | 0.003 | 0.022 | 0.046 | 0.008 |
| AB19-100037 | ASSAY | TB19194567 | 31.36 | 32.00 | 0.64 | 0.005 | 0.003 | 0.007 | 0.024 | 0.044 | 0.007 |
| AB19-100038 | ASSAY | TB19194567 | 32.00 | 33.00 | 1.00 | 0.009 | 0.003 | 0.013 | 0.040 | 0.062 | 0.009 |
| AB19-100039 | ASSAY | TB19194567 | 33.00 | 34.00 | 1.00 | 0.013 | 0.003 | 0.008 | 0.031 | 0.052 | 0.008 |
| AB19-100040 | ASSAY | TB19194567 | 34.00 | 35.00 | 1.00 | 0.288 | 0.019 | 0.094 | 0.120 | 0.091 | 0.009 |
| AB19-100042 | ASSAY | TB19194567 | 35.00 | 36.00 | 1.00 | 0.073 | 0.008 | 0.010 | 0.047 | 0.060 | 0.007 |
| AB19-100043 | ASSAY | TB19194567 | 36.00 | 37.00 | 1.00 | 0.015 | 0.005 | 0.004 | 0.014 | 0.037 | 0.006 |
| AB19-100044 | ASSAY | TB19194567 | 37.00 | 38.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.034 | 0.007 |
| AB19-100045 | ASSAY | TB19194567 | 38.00 | 39.00 | 1.00 | 0.022 | 0.003 | 0.010 | 0.027 | 0.039 | 0.006 |
| AB19-100046 | ASSAY | TB19194567 | 39.00 | 40.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.015 | 0.032 | 0.006 |
| AB19-100047 | ASSAY | TB19194567 | 40.00 | 41.00 | 1.00 | 0.007 | 0.003 | 0.005 | 0.035 | 0.038 | 0.006 |
| AB19-100048 | ASSAY | TB19194567 | 41.00 | 42.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.012 | 0.028 | 0.006 |
| AB19-100049 | ASSAY | TB19194567 | 42.00 | 43.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.020 | 0.004 |
| AB19-100050 | ASSAY | TB19194567 | 43.00 | 44.00 | 1.00 | 0.033 | 0.005 | 0.004 | 0.011 | 0.035 | 0.006 |
| AB19-100051 | ASSAY | TB19194567 | 44.00 | 45.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.011 | 0.039 | 0.007 |
| AB19-100052 | ASSAY | TB19194567 | 45.00 | 46.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.042 | 0.008 |
| AB19-100053 | ASSAY | TB19194567 | 46.00 | 47.00 | 1.00 | 0.017 | 0.003 | 0.004 | 0.018 | 0.045 | 0.007 |
| AB19-100054 | ASSAY | TB19194567 | 47.00 | 48.00 | 1.00 | 0.013 | 0.003 | 0.004 | 0.021 | 0.053 | 0.008 |
| AB19-100055 | ASSAY | TB19194567 | 48.00 | 49.00 | 1.00 | 0.023 | 0.003 | 0.005 | 0.021 | 0.054 | 0.008 |
| AB19-100056 | ASSAY | TB19194567 | 49.00 | 50.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.010 | 0.042 | 0.007 |
| AB19-100057 | ASSAY | TB19194567 | 50.00 | 51.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.043 | 0.008 |
| AB19-100058 | ASSAY | TB19194567 | 51.00 | 52.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.044 | 0.008 |
| AB19-100059 | ASSAY | TB19194567 | 52.00 | 53.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.037 | 0.007 |
| AB19-100060 | ASSAY | TB19194567 | 53.00 | 54.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.040 | 0.007 |
| AB19-100062 | ASSAY | TB19194567 | 54.00 | 55.00 | 1.00 | 0.006 | 0.003 | 0.004 | 0.015 | 0.043 | 0.007 |
| AB19-100063 | ASSAY | TB19194567 | 55.00 | 56.00 | 1.00 | 0.031 | 0.003 | 0.008 | 0.024 | 0.037 | 0.006 |
| AB19-100064 | ASSAY | TB19194567 | 56.00 | 57.26 | 1.26 | 0.014 | 0.003 | 0.004 | 0.012 | 0.038 | 0.007 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57.26 | 65.52 | **GAB-Vt**<br>57.26 - 65.52m / GAB VT<br>Green, fine- to coarse-grained, massive to locally weakly foliated, varitexture gabbro.<br>15-35% plag, 65-85% altered pyroxenes.<br>Moderate pervasive chl-act alt.<br>Trace Py.<br>Local weak foliation seems to be associated with micro-shears that are inconsistent in orientation.<br>Felsic dikes are cutting down the core axis and are associated with a weak undulating fabric.<br>Sharp lower ctct with tonalite xenolith. | AB19-100065 | ASSAY | TB19194567 | 57.26 | 58.00 | 0.74 | 0.413 | 0.067 | 0.022 | 0.024 | 0.047 | 0.006 |
| | | | AB19-100066 | ASSAY | TB19194567 | 58.00 | 59.00 | 1.00 | 0.012 | 0.003 | 0.002 | 0.009 | 0.035 | 0.006 |
| | | | AB19-100067 | ASSAY | TB19194567 | 59.00 | 60.00 | 1.00 | 0.007 | 0.003 | 0.002 | 0.009 | 0.041 | 0.007 |
| | | | AB19-100068 | ASSAY | TB19194567 | 60.00 | 61.00 | 1.00 | 0.005 | 0.003 | 0.002 | 0.011 | 0.045 | 0.008 |
| | | | AB19-100069 | ASSAY | TB19194567 | 61.00 | 62.00 | 1.00 | 0.011 | 0.003 | 0.005 | 0.016 | 0.039 | 0.007 |
| | | | AB19-100070 | ASSAY | TB19194567 | 62.00 | 63.00 | 1.00 | 0.011 | 0.003 | 0.007 | 0.021 | 0.032 | 0.006 |
| | | | AB19-100071 | ASSAY | TB19194567 | 63.00 | 64.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.009 | 0.036 | 0.007 |
| | | | AB19-100072 | ASSAY | TB19194567 | 64.00 | 64.76 | 0.76 | 0.004 | 0.003 | 0.001 | 0.006 | 0.040 | 0.007 |
| | | | AB19-100073 | ASSAY | TB19194567 | 64.76 | 65.52 | 0.76 | 0.013 | 0.003 | 0.001 | 0.005 | 0.038 | 0.006 |
| 65.52 | 67.41 | **TON**<br>65.53 - 67.41m / TON XENO<br>Light brown, medium to coarse-grained, well foliated, tonalite xenolith.<br>60% plag, 10% qtz, 30% mafic mins (bt and px).<br>Foliation in tonalite is much stronger than in mine block intrusion, hence making it a xenolith.<br>Trace Py. | AB19-100074 | ASSAY | TB19194567 | 65.52 | 66.43 | 0.91 | 0.002 | 0.003 | 0.001 | 0.007 | 0.002 | 0.001 |
| | | | AB19-100075 | ASSAY | TB19194567 | 66.43 | 67.41 | 0.98 | 0.001 | 0.003 | 0.001 | 0.001 | 0.002 | 0.001 |

| From | To | Lithology |
|---|---|---|
| 67.41 | 87.58 | **NOR** |

67.41 - 87.58m / NOR
Green to purple, medium-grained, locally weakly foliated, low to moderate magnetic, norite.
10-20% plag, 80-90% fresh to altered pyroxenes.
Strong to weak pervasive chl-act alt. Transition from strong to weak alt is sharp and occurs at 76.52m and is accompagnied by an increase in magnetism (from <1kappa to >2kappa). The strongly altered interval is also weakly foliated.
Trace mineralization until 78.65-91.4m where 0.2% disseminated Po-Cpy-Py are present.
Local felsic dikes (<10cm thick).
Lower ctct is marked by the appearance of NOR VT including fine- to coarse-grained NOR.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100076 | ASSAY | TB19194567 | 67.41 | 68.20 | 0.79 | 0.001 | 0.003 | 0.001 | 0.006 | 0.040 | 0.007 |
| AB19-100077 | ASSAY | TB19194567 | 68.20 | 69.00 | 0.80 | 0.002 | 0.003 | 0.001 | 0.007 | 0.041 | 0.007 |
| AB19-100081 | ASSAY | TB19194568 | 69.00 | 70.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.043 | 0.008 |
| AB19-100082 | ASSAY | TB19194568 | 70.00 | 71.00 | 1.00 | 0.060 | 0.007 | 0.001 | 0.006 | 0.045 | 0.008 |
| AB19-100083 | ASSAY | TB19194568 | 71.00 | 72.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.041 | 0.007 |
| AB19-100084 | ASSAY | TB19194568 | 72.00 | 73.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.043 | 0.008 |
| AB19-100085 | ASSAY | TB19194568 | 73.00 | 74.00 | 1.00 | 0.007 | 0.003 | 0.006 | 0.017 | 0.044 | 0.008 |
| AB19-100086 | ASSAY | TB19194568 | 74.00 | 75.00 | 1.00 | 0.020 | 0.003 | 0.001 | 0.011 | 0.040 | 0.007 |
| AB19-100087 | ASSAY | TB19194568 | 75.00 | 76.00 | 1.00 | 0.007 | 0.003 | 0.001 | 0.008 | 0.041 | 0.007 |
| AB19-100088 | ASSAY | TB19194568 | 76.00 | 77.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.009 | 0.042 | 0.007 |
| AB19-100089 | ASSAY | TB19194568 | 77.00 | 78.00 | 1.00 | 0.035 | 0.006 | 0.002 | 0.010 | 0.046 | 0.008 |
| AB19-100090 | ASSAY | TB19194568 | 78.00 | 79.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.045 | 0.008 |
| AB19-100091 | ASSAY | TB19194568 | 79.00 | 80.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.010 | 0.045 | 0.008 |
| AB19-100092 | ASSAY | TB19194568 | 80.00 | 81.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.047 | 0.008 |
| AB19-100093 | ASSAY | TB19194568 | 81.00 | 82.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.013 | 0.047 | 0.008 |
| AB19-100094 | ASSAY | TB19194568 | 82.00 | 83.00 | 1.00 | 0.083 | 0.013 | 0.004 | 0.020 | 0.051 | 0.008 |
| AB19-100095 | ASSAY | TB19194568 | 83.00 | 84.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.010 | 0.044 | 0.008 |
| AB19-100096 | ASSAY | TB19194568 | 84.00 | 85.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.009 | 0.040 | 0.007 |
| AB19-100097 | ASSAY | TB19194568 | 85.00 | 86.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.015 | 0.047 | 0.008 |
| AB19-100098 | ASSAY | TB19194568 | 86.00 | 86.80 | 0.80 | 0.043 | 0.005 | 0.009 | 0.018 | 0.047 | 0.008 |
| AB19-100100 | ASSAY | TB19194568 | 86.80 | 87.58 | 0.78 | 0.001 | 0.003 | 0.002 | 0.012 | 0.042 | 0.008 |

| From | To | Lithology |
|---|---|---|
| 87.58 | 156.24 | **NOR-Vt** |

87.58 - 156.24m / NOR VT
Purple-green, fine- to coarse-grained, massive to locally weakly foliated, weakly to moderately magnetic, varitexture norite. Potential NOR VT BX from 106.8-114.1m due to the increase in fine-grained NOR.
20-35% plag, 65-80% fresh (bronzite) to altered pyroxenes. Unit ranges from dominantly NOR VT (locally looking like GAB VT due to alteration) to med-grained NOR.
Moderate pervasive chl-act alt. Locally weakly altered but dominantly moderate.
Trace to 0.7% sulphides including: 97.22-99.74m 0.2% disseminated Po-Py-Cpy, 101.82-102.82m consisting of 1 Mt+Py vein (1cm thick) and a 2cm thick zone of vein/intercumulate Po-Cpy for a total of 0.7% sulphides, 106.65-107.79m of 0.5% fine-grained disseminated Po-Cpy-Py, 110.64-112.36m of 0.5% medium-grained blebby to disseminated Po-Cpy>>Py, 114.41-115.92m of 0.3% fine-grained disseminated Po-Cpy-Py.
Mineralized interval from 106.65-115.92m coinside with a zone of intermingled fine-grained NOR (40%) and medium- to coarse-grained NOR (60%) but the mineralization is hosted in the medium- to coarse-grained NOR. Min is also more commonly found in the less altered NOR.
Common felsic dikes cross-cutting.
From 120-156.24m the NOR VT hosts consistently 35-40% plag, could be a more fractionated version of the typical NOR, mineralization also drops in the interval except for a 3m thick interval from 146.07-149.2m of 1.5% fine-grained disseminated Po>Cpy.
Sharp lower ctct with felsic dike.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100101 | ASSAY | TB19194568 | 87.58 | 88.30 | 0.72 | 0.001 | 0.003 | 0.001 | 0.012 | 0.035 | 0.008 |
| AB19-100102 | ASSAY | TB19194568 | 88.30 | 89.00 | 0.70 | 0.001 | 0.003 | 0.001 | 0.007 | 0.023 | 0.006 |
| AB19-100103 | ASSAY | TB19194568 | 89.00 | 90.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.009 | 0.016 | 0.003 |
| AB19-100104 | ASSAY | TB19194568 | 90.00 | 91.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.012 | 0.029 | 0.006 |
| AB19-100105 | ASSAY | TB19194568 | 91.00 | 92.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.022 | 0.035 | 0.006 |
| AB19-100106 | ASSAY | TB19194568 | 92.00 | 93.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.025 | 0.004 |
| AB19-100107 | ASSAY | TB19194568 | 93.00 | 94.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.007 | 0.016 | 0.004 |
| AB19-100108 | ASSAY | TB19194568 | 94.00 | 95.00 | 1.00 | 0.006 | 0.003 | 0.002 | 0.009 | 0.022 | 0.004 |
| AB19-100109 | ASSAY | TB19194568 | 95.00 | 96.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.021 | 0.004 |
| AB19-100110 | ASSAY | TB19194568 | 96.00 | 97.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.022 | 0.004 |
| AB19-100111 | ASSAY | TB19194568 | 97.00 | 98.00 | 1.00 | 0.033 | 0.003 | 0.005 | 0.018 | 0.032 | 0.006 |
| AB19-100112 | ASSAY | TB19194568 | 98.00 | 99.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.007 | 0.023 | 0.004 |
| AB19-100113 | ASSAY | TB19194568 | 99.00 | 100.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.031 | 0.055 | 0.008 |
| AB19-100114 | ASSAY | TB19194568 | 100.00 | 101.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.024 | 0.005 |
| AB19-100115 | ASSAY | TB19194568 | 101.00 | 102.00 | 1.00 | 0.296 | 0.014 | 0.005 | 0.017 | 0.041 | 0.005 |
| AB19-100116 | ASSAY | TB19194568 | 102.00 | 103.00 | 1.00 | 0.602 | 0.144 | 0.013 | 0.033 | 0.059 | 0.005 |
| AB19-100117 | ASSAY | TB19194568 | 103.00 | 104.00 | 1.00 | 0.005 | 0.003 | 0.002 | 0.009 | 0.021 | 0.004 |
| AB19-100118 | ASSAY | TB19194568 | 104.00 | 105.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.021 | 0.004 |
| AB19-100120 | ASSAY | TB19194568 | 105.00 | 106.00 | 1.00 | 0.007 | 0.003 | 0.004 | 0.008 | 0.020 | 0.004 |
| AB19-100121 | ASSAY | TB19194568 | 106.00 | 107.00 | 1.00 | 0.008 | 0.003 | 0.002 | 0.020 | 0.041 | 0.006 |
| AB19-100122 | ASSAY | TB19194568 | 107.00 | 108.00 | 1.00 | 0.008 | 0.003 | 0.013 | 0.039 | 0.061 | 0.008 |
| AB19-100123 | ASSAY | TB19194568 | 108.00 | 109.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.013 | 0.031 | 0.005 |
| AB19-100124 | ASSAY | TB19194568 | 109.00 | 110.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.037 | 0.006 |
| AB19-100125 | ASSAY | TB19194568 | 110.00 | 111.00 | 1.00 | 0.058 | 0.007 | 0.004 | 0.037 | 0.060 | 0.008 |
| AB19-100126 | ASSAY | TB19194568 | 111.00 | 112.00 | 1.00 | 0.035 | 0.003 | 0.008 | 0.036 | 0.072 | 0.009 |
| AB19-100127 | ASSAY | TB19194568 | 112.00 | 113.00 | 1.00 | 0.086 | 0.023 | 0.010 | 0.024 | 0.060 | 0.007 |
| AB19-100128 | ASSAY | TB19194568 | 113.00 | 114.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.028 | 0.006 |
| AB19-100129 | ASSAY | TB19194568 | 114.00 | 115.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.020 | 0.040 | 0.006 |
| AB19-100130 | ASSAY | TB19194568 | 115.00 | 116.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.035 | 0.056 | 0.007 |
| AB19-100131 | ASSAY | TB19194568 | 116.00 | 117.00 | 1.00 | 0.030 | 0.005 | 0.006 | 0.026 | 0.046 | 0.007 |
| AB19-100132 | ASSAY | TB19194568 | 117.00 | 118.00 | 1.00 | 0.001 | 0.003 | 0.006 | 0.017 | 0.032 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100133 | ASSAY | TB19194568 | 118.00 | 119.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.028 | 0.005 |
| | | | AB19-100134 | ASSAY | TB19194568 | 119.00 | 120.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.027 | 0.005 |
| | | | AB19-100135 | ASSAY | TB19194568 | 120.00 | 121.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.010 | 0.029 | 0.005 |
| | | | AB19-100136 | ASSAY | TB19194568 | 121.00 | 122.00 | 1.00 | 0.022 | 0.003 | 0.004 | 0.012 | 0.028 | 0.005 |
| | | | AB19-100137 | ASSAY | TB19194568 | 122.00 | 123.00 | 1.00 | 0.015 | 0.003 | 0.003 | 0.012 | 0.025 | 0.004 |
| | | | AB19-100138 | ASSAY | TB19194568 | 123.00 | 124.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.024 | 0.004 |
| | | | AB19-100140 | ASSAY | TB19194568 | 124.00 | 125.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.027 | 0.004 |
| | | | AB19-100141 | ASSAY | TB19194568 | 125.00 | 126.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.025 | 0.004 |
| | | | AB19-100142 | ASSAY | TB19194568 | 126.00 | 127.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.027 | 0.005 |
| | | | AB19-100143 | ASSAY | TB19194568 | 127.00 | 128.00 | 1.00 | 0.074 | 0.009 | 0.005 | 0.012 | 0.029 | 0.005 |
| | | | AB19-100144 | ASSAY | TB19194568 | 128.00 | 129.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.030 | 0.005 |
| | | | AB19-100145 | ASSAY | TB19194568 | 129.00 | 130.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.017 | 0.036 | 0.005 |
| | | | AB19-100146 | ASSAY | TB19194568 | 130.00 | 131.00 | 1.00 | 0.005 | 0.003 | 0.002 | 0.013 | 0.029 | 0.005 |
| | | | AB19-100147 | ASSAY | TB19194568 | 131.00 | 132.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.014 | 0.029 | 0.005 |
| | | | AB19-100148 | ASSAY | TB19194568 | 132.00 | 133.00 | 1.00 | 0.003 | 0.003 | 0.007 | 0.021 | 0.042 | 0.006 |
| | | | AB19-100149 | ASSAY | TB19194568 | 133.00 | 134.00 | 1.00 | 0.001 | 0.003 | 0.007 | 0.019 | 0.037 | 0.005 |
| | | | AB19-100150 | ASSAY | TB19194568 | 134.00 | 135.00 | 1.00 | 0.003 | 0.003 | 0.007 | 0.020 | 0.037 | 0.005 |
| | | | AB19-100151 | ASSAY | TB19194568 | 135.00 | 136.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.012 | 0.027 | 0.005 |
| | | | AB19-100152 | ASSAY | TB19194568 | 136.00 | 137.00 | 1.00 | 0.071 | 0.013 | 0.009 | 0.020 | 0.032 | 0.005 |
| | | | AB19-100153 | ASSAY | TB19194568 | 137.00 | 138.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.027 | 0.005 |
| | | | AB19-100154 | ASSAY | TB19194568 | 138.00 | 139.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.012 | 0.031 | 0.005 |
| | | | AB19-100155 | ASSAY | TB19194568 | 139.00 | 140.00 | 1.00 | 0.007 | 0.003 | 0.002 | 0.009 | 0.026 | 0.004 |
| | | | AB19-100159 | ASSAY | TB19194569 | 140.00 | 141.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.011 | 0.029 | 0.004 |
| | | | AB19-100160 | ASSAY | TB19194569 | 141.00 | 142.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.009 | 0.027 | 0.004 |
| | | | AB19-100161 | ASSAY | TB19194569 | 142.00 | 143.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.023 | 0.049 | 0.005 |
| | | | AB19-100162 | ASSAY | TB19194569 | 143.00 | 144.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.017 | 0.042 | 0.005 |
| | | | AB19-100163 | ASSAY | TB19194569 | 144.00 | 145.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.021 | 0.049 | 0.006 |
| | | | AB19-100164 | ASSAY | TB19194569 | 145.00 | 146.00 | 1.00 | 0.001 | 0.003 | 0.004 | 0.020 | 0.048 | 0.006 |
| | | | AB19-100165 | ASSAY | TB19194569 | 146.00 | 147.00 | 1.00 | 0.012 | 0.005 | 0.026 | 0.100 | 0.154 | 0.007 |
| | | | AB19-100166 | ASSAY | TB19194569 | 147.00 | 148.00 | 1.00 | 0.031 | 0.012 | 0.072 | 0.293 | 0.356 | 0.011 |
| | | | AB19-100167 | ASSAY | TB19194569 | 148.00 | 149.00 | 1.00 | 0.022 | 0.011 | 0.048 | 0.287 | 0.323 | 0.011 |
| | | | AB19-100168 | ASSAY | TB19194569 | 149.00 | 150.00 | 1.00 | 0.029 | 0.003 | 0.004 | 0.030 | 0.054 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100169 | ASSAY | TB19194569 | 150.00 | 151.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.037 | 0.005 |
| | | | AB19-100170 | ASSAY | TB19194569 | 151.00 | 152.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.034 | 0.005 |
| | | | AB19-100171 | ASSAY | TB19194569 | 152.00 | 153.00 | 1.00 | 0.127 | 0.003 | 0.005 | 0.020 | 0.035 | 0.005 |
| | | | AB19-100172 | ASSAY | TB19194569 | 153.00 | 154.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.008 | 0.036 | 0.005 |
| | | | AB19-100173 | ASSAY | TB19194569 | 154.00 | 155.00 | 1.00 | 0.020 | 0.003 | 0.002 | 0.009 | 0.035 | 0.005 |
| | | | AB19-100174 | ASSAY | TB19194569 | 155.00 | 156.24 | 1.24 | 0.372 | 0.024 | 0.003 | 0.009 | 0.042 | 0.005 |
| 156.24 | 157.24 | **DIKE-Felsic**<br>Felsic dyke<br>sharp contacts, mg-cg, patchy sericite alteration and local iron oxidation. | AB19-100175 | ASSAY | TB19194569 | 156.24 | 157.24 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.000 |
| 157.24 | 162.80 | **NOR-Vt**<br>Altered VT NOR<br>strong chl-act alteration , local ser, mg-cg, sharp contact with lower VT NOR marked by alteration front. crosscut by a couple felsic dykes (containing norite xenoliths). trace-0.5% po-ccp+/-pn? as blebs | AB19-100176 | ASSAY | TB19194569 | 157.24 | 158.00 | 0.76 | 0.005 | 0.003 | 0.002 | 0.008 | 0.037 | 0.005 |
| | | | AB19-100178 | ASSAY | TB19194569 | 158.00 | 159.00 | 1.00 | 0.011 | 0.003 | 0.009 | 0.024 | 0.045 | 0.005 |
| | | | AB19-100179 | ASSAY | TB19194569 | 159.00 | 160.00 | 1.00 | 0.016 | 0.003 | 0.004 | 0.015 | 0.046 | 0.005 |
| | | | AB19-100180 | ASSAY | TB19194569 | 160.00 | 161.00 | 1.00 | 0.025 | 0.003 | 0.003 | 0.009 | 0.044 | 0.006 |
| | | | AB19-100181 | ASSAY | TB19194569 | 161.00 | 162.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.052 | 0.007 |
| | | | AB19-100182 | ASSAY | TB19194569 | 162.00 | 162.80 | 0.80 | 0.074 | 0.006 | 0.004 | 0.016 | 0.064 | 0.008 |

| From | To | Lithology |
|---|---|---|
| 162.80 | 187.00 | **NOR-Vt**<br>VT NOR<br>relatively unaltered, only weakly varitextured, local fine grained intervals, mostly mg-cg. weakly to moderately chl-act altered. strongly faulted/jointed b/w 167.5 and 175m, the 30dtca set with slickenlines. cross cut by a mafic dyke and a couple small felsic dykes. k=2-7. massive. 20-30% feldspar, 70-80% bronzite (locally altered).<br>Patchy local intercumulus and blebby po-ccp<br>lower contact gradational into more homogeneous mg norite. |

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100183 | ASSAY | TB19194569 | 162.80 | 164.00 | 1.20 | 0.030 | 0.003 | 0.008 | 0.019 | 0.066 | 0.008 |
| AB19-100184 | ASSAY | TB19194569 | 164.00 | 165.00 | 1.00 | 0.029 | 0.006 | 0.005 | 0.022 | 0.077 | 0.008 |
| AB19-100185 | ASSAY | TB19194569 | 165.00 | 166.00 | 1.00 | 0.007 | 0.003 | 0.003 | 0.011 | 0.059 | 0.008 |
| AB19-100186 | ASSAY | TB19194569 | 166.00 | 167.00 | 1.00 | 0.274 | 0.016 | 0.005 | 0.011 | 0.060 | 0.008 |
| AB19-100187 | ASSAY | TB19194569 | 167.00 | 168.00 | 1.00 | 0.046 | 0.003 | 0.011 | 0.016 | 0.039 | 0.006 |
| AB19-100188 | ASSAY | TB19194569 | 168.00 | 169.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.013 | 0.020 | 0.005 |
| AB19-100189 | ASSAY | TB19194569 | 169.00 | 170.00 | 1.00 | 0.032 | 0.003 | 0.008 | 0.019 | 0.042 | 0.006 |
| AB19-100190 | ASSAY | TB19194569 | 170.00 | 171.00 | 1.00 | 0.024 | 0.005 | 0.006 | 0.024 | 0.051 | 0.007 |
| AB19-100191 | ASSAY | TB19194569 | 171.00 | 172.00 | 1.00 | 0.008 | 0.003 | 0.001 | 0.014 | 0.047 | 0.007 |
| AB19-100192 | ASSAY | TB19194569 | 172.00 | 173.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.047 | 0.007 |
| AB19-100193 | ASSAY | TB19194569 | 173.00 | 174.00 | 1.00 | 0.019 | 0.003 | 0.001 | 0.013 | 0.053 | 0.008 |
| AB19-100194 | ASSAY | TB19194569 | 174.00 | 175.00 | 1.00 | 0.006 | 0.003 | 0.004 | 0.014 | 0.055 | 0.008 |
| AB19-100195 | ASSAY | TB19194569 | 175.00 | 176.00 | 1.00 | 0.066 | 0.006 | 0.009 | 0.012 | 0.051 | 0.008 |
| AB19-100196 | ASSAY | TB19194569 | 176.00 | 177.00 | 1.00 | 0.056 | 0.005 | 0.009 | 0.018 | 0.057 | 0.008 |
| AB19-100198 | ASSAY | TB19194569 | 177.00 | 178.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.012 | 0.054 | 0.008 |
| AB19-100199 | ASSAY | TB19194569 | 178.00 | 179.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.009 | 0.050 | 0.008 |
| AB19-100200 | ASSAY | TB19194569 | 179.00 | 180.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.009 | 0.050 | 0.007 |
| AB19-100201 | ASSAY | TB19194569 | 180.00 | 181.00 | 1.00 | 0.001 | 0.003 | 0.004 | 0.011 | 0.055 | 0.008 |
| AB19-100202 | ASSAY | TB19194569 | 181.00 | 182.00 | 1.00 | 0.010 | 0.003 | 0.002 | 0.007 | 0.049 | 0.007 |
| AB19-100203 | ASSAY | TB19194569 | 182.00 | 183.00 | 1.00 | 0.036 | 0.005 | 0.003 | 0.008 | 0.050 | 0.007 |
| AB19-100204 | ASSAY | TB19194569 | 183.00 | 184.00 | 1.00 | 0.060 | 0.005 | 0.004 | 0.014 | 0.047 | 0.007 |
| AB19-100205 | ASSAY | TB19194569 | 184.00 | 185.00 | 1.00 | 0.001 | 0.003 | 0.004 | 0.010 | 0.042 | 0.006 |
| AB19-100206 | ASSAY | TB19194569 | 185.00 | 186.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.011 | 0.049 | 0.007 |
| AB19-100207 | ASSAY | TB19194569 | 186.00 | 187.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.009 | 0.050 | 0.008 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 187.00 | 198.50 | **NOR**<br>NOR<br>mg, massive, weakly chl-act altered. 70-80% brown pitted pyroxene and bronzite, 20-30% purple feldspar. tr local po-ccp disseminations at end of interval and trace local ccp-po fracture filling at ~190m. k=2-7. | AB19-100208 | ASSAY | TB19194569 | 187.00 | 188.00 | 1.00 | 0.023 | 0.003 | 0.003 | 0.010 | 0.053 | 0.008 |
| | | | AB19-100209 | ASSAY | TB19194569 | 188.00 | 189.00 | 1.00 | 0.113 | 0.010 | 0.007 | 0.019 | 0.058 | 0.008 |
| | | | AB19-100210 | ASSAY | TB19194569 | 189.00 | 190.00 | 1.00 | 0.036 | 0.003 | 0.003 | 0.011 | 0.054 | 0.008 |
| | | | AB19-100211 | ASSAY | TB19194569 | 190.00 | 191.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.051 | 0.007 |
| | | | AB19-100212 | ASSAY | TB19194569 | 191.00 | 192.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.051 | 0.008 |
| | | | AB19-100213 | ASSAY | TB19194569 | 192.00 | 193.00 | 1.00 | 0.025 | 0.003 | 0.002 | 0.011 | 0.055 | 0.008 |
| | | | AB19-100214 | ASSAY | TB19194569 | 193.00 | 194.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.055 | 0.008 |
| | | | AB19-100215 | ASSAY | TB19194569 | 194.00 | 195.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.054 | 0.008 |
| | | | AB19-100216 | ASSAY | TB19194569 | 195.00 | 196.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.051 | 0.008 |
| | | | AB19-100218 | ASSAY | TB19194569 | 196.00 | 197.27 | 1.27 | 0.056 | 0.007 | 0.007 | 0.015 | 0.060 | 0.008 |
| | | | AB19-100219 | ASSAY | TB19194569 | 197.27 | 198.50 | 1.23 | 0.002 | 0.003 | 0.002 | 0.014 | 0.058 | 0.008 |
| 198.50 | 200.30 | **NOR-Vt**<br>VT NOR<br>weakly varitextured,mg-cg, moderately chl-act altered . local fracture filling pyrite<br>crosscut by small mg felsic dyke and small qtz-alb vein/dyke. contact with lower dyke is sharp. | AB19-100220 | ASSAY | TB19194569 | 198.50 | 199.25 | 0.75 | 0.001 | 0.003 | 0.005 | 0.012 | 0.042 | 0.006 |
| | | | AB19-100221 | ASSAY | TB19194569 | 199.25 | 200.30 | 1.05 | 0.027 | 0.003 | 0.002 | 0.006 | 0.051 | 0.007 |
| 200.30 | 201.50 | **DIKE-Mafic**<br>Mafic dyke<br>local cg feldspar phenocrysts, 0.5% fg diss py around margins. sharp contacts. | AB19-100222 | ASSAY | TB19194569 | 200.30 | 201.50 | 1.20 | 0.002 | 0.003 | 0.002 | 0.010 | 0.038 | 0.005 |
| 201.50 | 212.82 | **NOR-Vt**<br>VT NOR<br>weakly varitextured,mg-cg, local fine grained, moderately chl-act altered but brown unaltered opx visible locally . massive, local 10cm zone of shearing. trace local ccp-po blebs at end of interval. k=0.8-7.5<br>gradational lower contact into gabbro (more feldspar, and no sign of OPX, and decrease in mag.) | AB19-100223 | ASSAY | TB19194569 | 201.50 | 202.74 | 1.24 | 0.003 | 0.003 | 0.003 | 0.009 | 0.053 | 0.007 |
| | | | AB19-100224 | ASSAY | TB19194569 | 202.74 | 204.00 | 1.26 | 0.039 | 0.009 | 0.003 | 0.009 | 0.052 | 0.008 |
| | | | AB19-100225 | ASSAY | TB19194569 | 204.00 | 205.00 | 1.00 | 0.083 | 0.025 | 0.004 | 0.008 | 0.047 | 0.007 |
| | | | AB19-100226 | ASSAY | TB19194569 | 205.00 | 206.00 | 1.00 | 0.079 | 0.007 | 0.006 | 0.014 | 0.041 | 0.006 |
| | | | AB19-100227 | ASSAY | TB19194569 | 206.00 | 207.00 | 1.00 | 0.079 | 0.006 | 0.009 | 0.009 | 0.057 | 0.008 |
| | | | AB19-100228 | ASSAY | TB19194569 | 207.00 | 208.00 | 1.00 | 0.074 | 0.007 | 0.008 | 0.011 | 0.055 | 0.008 |
| | | | AB19-100229 | ASSAY | TB19194569 | 208.00 | 209.00 | 1.00 | 0.075 | 0.009 | 0.014 | 0.016 | 0.048 | 0.007 |
| | | | AB19-100230 | ASSAY | TB19194569 | 209.00 | 210.00 | 1.00 | 0.053 | 0.003 | 0.006 | 0.011 | 0.053 | 0.008 |
| | | | AB19-100231 | ASSAY | TB19194569 | 210.00 | 211.00 | 1.00 | 0.012 | 0.003 | 0.004 | 0.013 | 0.057 | 0.008 |
| | | | AB19-100232 | ASSAY | TB19194569 | 211.00 | 212.00 | 1.00 | 0.185 | 0.018 | 0.021 | 0.033 | 0.063 | 0.008 |
| | | | AB19-100233 | ASSAY | TB19194569 | 212.00 | 212.82 | 0.82 | 0.001 | 0.003 | 0.002 | 0.008 | 0.053 | 0.007 |

| From | To | Lithology |
|---|---|---|
| 212.82 | 327.84 | **GAB-Vt** |

VT GAB
mod chl-act altered. first 5 m also bt altered due to a series of crosscuting felsic (tonalitic) dykes. mg-cg, becoming dominantly coarse below ~229m. coarse material locally albitized and epidotized and crosscut by sericitic cg felsic dykes. . 25-50% feldspar 50-75% altered green pyroxene. k=<1 Short intervals of NOR approaching lower contact, then a final sharp contact with NOR at 327.84m.

trace-0.5% po-ccp+/-pn blebs at top of interval . trace-0.5% fg-mg diss py (locally blebby and fracture controlled) throughout interval until ~2770m. one local sheared qtz vein @ ~261.5m with massive pyrite bands. 277-327.84m trace to 0.5% sporadic coarse blebs po-ccp+/-pn (local 315.2-316.2m 1% po-ccp+/-pn)

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100237 | ASSAY | TB19194542 | 212.82 | 214.00 | 1.18 | 0.086 | 0.007 | 0.035 | 0.080 | 0.067 | 0.006 |
| AB19-100238 | ASSAY | TB19194542 | 214.00 | 215.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.006 | 0.035 | 0.004 |
| AB19-100239 | ASSAY | TB19194542 | 215.00 | 216.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.036 | 0.004 |
| AB19-100240 | ASSAY | TB19194542 | 216.00 | 217.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.006 | 0.043 | 0.005 |
| AB19-100241 | ASSAY | TB19194542 | 217.00 | 218.00 | 1.00 | 0.033 | 0.003 | 0.012 | 0.042 | 0.062 | 0.006 |
| AB19-100242 | ASSAY | TB19194542 | 218.00 | 219.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.014 | 0.062 | 0.006 |
| AB19-100243 | ASSAY | TB19194542 | 219.00 | 220.00 | 1.00 | 0.033 | 0.005 | 0.007 | 0.023 | 0.064 | 0.006 |
| AB19-100244 | ASSAY | TB19194542 | 220.00 | 221.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.017 | 0.064 | 0.007 |
| AB19-100245 | ASSAY | TB19194542 | 221.00 | 222.00 | 1.00 | 0.049 | 0.007 | 0.004 | 0.017 | 0.079 | 0.007 |
| AB19-100246 | ASSAY | TB19194542 | 222.00 | 223.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.065 | 0.007 |
| AB19-100247 | ASSAY | TB19194542 | 223.00 | 224.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.065 | 0.007 |
| AB19-100248 | ASSAY | TB19194542 | 224.00 | 225.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.007 | 0.045 | 0.005 |
| AB19-100249 | ASSAY | TB19194542 | 225.00 | 226.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.011 | 0.001 |
| AB19-100250 | ASSAY | TB19194542 | 226.00 | 227.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.011 | 0.009 | 0.002 |
| AB19-100251 | ASSAY | TB19194542 | 227.00 | 228.00 | 1.00 | 0.013 | 0.003 | 0.006 | 0.034 | 0.022 | 0.004 |
| AB19-100252 | ASSAY | TB19194542 | 228.00 | 229.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.011 | 0.001 |
| AB19-100253 | ASSAY | TB19194542 | 229.00 | 230.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.005 | 0.017 | 0.002 |
| AB19-100254 | ASSAY | TB19194542 | 230.00 | 231.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.021 | 0.002 |
| AB19-100256 | ASSAY | TB19194542 | 231.00 | 232.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.003 | 0.025 | 0.003 |
| AB19-100257 | ASSAY | TB19194542 | 232.00 | 233.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.023 | 0.003 |
| AB19-100258 | ASSAY | TB19194542 | 233.00 | 234.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.009 | 0.024 | 0.003 |
| AB19-100259 | ASSAY | TB19194542 | 234.00 | 235.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.017 | 0.026 | 0.004 |
| AB19-100260 | ASSAY | TB19194542 | 235.00 | 236.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.074 | 0.023 | 0.004 |
| AB19-100261 | ASSAY | TB19194542 | 236.00 | 237.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.023 | 0.024 | 0.003 |
| AB19-100262 | ASSAY | TB19194542 | 237.00 | 238.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.007 | 0.024 | 0.003 |
| AB19-100263 | ASSAY | TB19194542 | 238.00 | 239.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.020 | 0.003 |
| AB19-100264 | ASSAY | TB19194542 | 239.00 | 240.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.008 | 0.020 | 0.003 |
| AB19-100265 | ASSAY | TB19194542 | 240.00 | 241.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.009 | 0.022 | 0.003 |
| AB19-100266 | ASSAY | TB19194542 | 241.00 | 242.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.005 | 0.021 | 0.003 |
| AB19-100267 | ASSAY | TB19194542 | 242.00 | 243.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.005 | 0.020 | 0.003 |
| AB19-100268 | ASSAY | TB19194542 | 243.00 | 244.00 | 1.00 | 0.007 | 0.003 | 0.001 | 0.005 | 0.019 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100269 | ASSAY | TB19194542 | 244.00 | 245.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.005 | 0.020 | 0.003 |
| | | | AB19-100270 | ASSAY | TB19194542 | 245.00 | 246.00 | 1.00 | 0.006 | 0.003 | 0.001 | 0.003 | 0.019 | 0.003 |
| | | | AB19-100271 | ASSAY | TB19194542 | 246.00 | 247.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.006 | 0.018 | 0.003 |
| | | | AB19-100272 | ASSAY | TB19194542 | 247.00 | 248.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.004 | 0.017 | 0.003 |
| | | | AB19-100273 | ASSAY | TB19194542 | 248.00 | 249.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.003 | 0.020 | 0.003 |
| | | | AB19-100274 | ASSAY | TB19194542 | 249.00 | 250.00 | 1.00 | 0.006 | 0.003 | 0.001 | 0.005 | 0.019 | 0.003 |
| | | | AB19-100276 | ASSAY | TB19194542 | 250.00 | 251.00 | 1.00 | 0.020 | 0.003 | 0.001 | 0.006 | 0.018 | 0.003 |
| | | | AB19-100277 | ASSAY | TB19194542 | 251.00 | 252.00 | 1.00 | 0.035 | 0.003 | 0.001 | 0.007 | 0.018 | 0.003 |
| | | | AB19-100278 | ASSAY | TB19194542 | 252.00 | 253.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.004 | 0.017 | 0.003 |
| | | | AB19-100279 | ASSAY | TB19194542 | 253.00 | 254.00 | 1.00 | 0.004 | 0.003 | 0.002 | 0.009 | 0.017 | 0.003 |
| | | | AB19-100280 | ASSAY | TB19194542 | 254.00 | 255.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.007 | 0.017 | 0.003 |
| | | | AB19-100281 | ASSAY | TB19194542 | 255.00 | 256.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.007 | 0.017 | 0.003 |
| | | | AB19-100282 | ASSAY | TB19194542 | 256.00 | 257.00 | 1.00 | 0.007 | 0.003 | 0.001 | 0.009 | 0.018 | 0.003 |
| | | | AB19-100283 | ASSAY | TB19194542 | 257.00 | 258.00 | 1.00 | 0.018 | 0.003 | 0.001 | 0.003 | 0.017 | 0.003 |
| | | | AB19-100284 | ASSAY | TB19194542 | 258.00 | 259.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.003 | 0.017 | 0.003 |
| | | | AB19-100285 | ASSAY | TB19194542 | 259.00 | 260.00 | 1.00 | 0.023 | 0.003 | 0.001 | 0.003 | 0.020 | 0.003 |
| | | | AB19-100286 | ASSAY | TB19194542 | 260.00 | 261.00 | 1.00 | 0.034 | 0.003 | 0.001 | 0.008 | 0.020 | 0.003 |
| | | | AB19-100287 | ASSAY | TB19194542 | 261.00 | 262.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.002 | 0.015 | 0.003 |
| | | | AB19-100288 | ASSAY | TB19194542 | 262.00 | 263.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.015 | 0.021 | 0.004 |
| | | | AB19-100289 | ASSAY | TB19194542 | 263.00 | 264.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.021 | 0.003 |
| | | | AB19-100290 | ASSAY | TB19194542 | 264.00 | 265.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.005 | 0.019 | 0.003 |
| | | | AB19-100291 | ASSAY | TB19194542 | 265.00 | 266.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.019 | 0.003 |
| | | | AB19-100292 | ASSAY | TB19194542 | 266.00 | 267.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.007 | 0.018 | 0.003 |
| | | | AB19-100293 | ASSAY | TB19194542 | 267.00 | 268.00 | 1.00 | 0.023 | 0.003 | 0.001 | 0.008 | 0.020 | 0.003 |
| | | | AB19-100294 | ASSAY | TB19194542 | 268.00 | 269.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.011 | 0.023 | 0.004 |
| | | | AB19-100296 | ASSAY | TB19194542 | 269.00 | 270.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.015 | 0.022 | 0.004 |
| | | | AB19-100297 | ASSAY | TB19194542 | 270.00 | 271.00 | 1.00 | 0.052 | 0.005 | 0.003 | 0.021 | 0.030 | 0.003 |
| | | | AB19-100298 | ASSAY | TB19194542 | 271.00 | 272.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.010 | 0.020 | 0.003 |
| | | | AB19-100299 | ASSAY | TB19194542 | 272.00 | 273.00 | 1.00 | 0.004 | 0.003 | 0.008 | 0.017 | 0.025 | 0.003 |
| | | | AB19-100300 | ASSAY | TB19194542 | 273.00 | 274.00 | 1.00 | 0.005 | 0.003 | 0.003 | 0.014 | 0.027 | 0.003 |
| | | | AB19-100301 | ASSAY | TB19194542 | 274.00 | 275.00 | 1.00 | 0.015 | 0.008 | 0.005 | 0.017 | 0.033 | 0.003 |
| | | | AB19-100302 | ASSAY | TB19194542 | 275.00 | 276.00 | 1.00 | 0.013 | 0.003 | 0.004 | 0.017 | 0.033 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100303 | ASSAY | TB19194542 | 276.00 | 277.00 | 1.00 | 0.002 | 0.003 | 0.007 | 0.019 | 0.016 | 0.002 |
| | | | AB19-100304 | ASSAY | TB19194542 | 277.00 | 278.00 | 1.00 | 0.013 | 0.003 | 0.011 | 0.014 | 0.029 | 0.004 |
| | | | AB19-100305 | ASSAY | TB19194542 | 278.00 | 279.00 | 1.00 | 0.054 | 0.006 | 0.007 | 0.016 | 0.027 | 0.003 |
| | | | AB19-100306 | ASSAY | TB19194542 | 279.00 | 280.00 | 1.00 | 0.003 | 0.003 | 0.006 | 0.003 | 0.021 | 0.003 |
| | | | AB19-100307 | ASSAY | TB19194542 | 280.00 | 281.00 | 1.00 | 0.002 | 0.003 | 0.005 | 0.010 | 0.024 | 0.003 |
| | | | AB19-100308 | ASSAY | TB19194542 | 281.00 | 282.00 | 1.00 | 0.081 | 0.003 | 0.008 | 0.014 | 0.031 | 0.004 |
| | | | AB19-100309 | ASSAY | TB19194542 | 282.00 | 283.00 | 1.00 | 0.667 | 0.044 | 0.051 | 0.049 | 0.051 | 0.004 |
| | | | AB19-100310 | ASSAY | TB19194542 | 283.00 | 284.00 | 1.00 | 0.174 | 0.006 | 0.031 | 0.026 | 0.032 | 0.004 |
| | | | AB19-100311 | ASSAY | TB19194542 | 284.00 | 285.00 | 1.00 | 0.003 | 0.003 | 0.008 | 0.013 | 0.023 | 0.003 |
| | | | AB19-100315 | ASSAY | TB19194543 | 285.00 | 286.00 | 1.00 | 0.045 | 0.003 | 0.011 | 0.024 | 0.042 | 0.003 |
| | | | AB19-100316 | ASSAY | TB19194543 | 286.00 | 287.00 | 1.00 | 0.160 | 0.014 | 0.019 | 0.018 | 0.039 | 0.004 |
| | | | AB19-100317 | ASSAY | TB19194543 | 287.00 | 288.00 | 1.00 | 0.051 | 0.008 | 0.027 | 0.027 | 0.041 | 0.004 |
| | | | AB19-100318 | ASSAY | TB19194543 | 288.00 | 289.00 | 1.00 | 0.009 | 0.003 | 0.009 | 0.020 | 0.033 | 0.004 |
| | | | AB19-100319 | ASSAY | TB19194543 | 289.00 | 290.00 | 1.00 | 0.011 | 0.003 | 0.009 | 0.021 | 0.045 | 0.005 |
| | | | AB19-100320 | ASSAY | TB19194543 | 290.00 | 291.00 | 1.00 | 0.100 | 0.010 | 0.011 | 0.019 | 0.030 | 0.003 |
| | | | AB19-100321 | ASSAY | TB19194543 | 291.00 | 292.00 | 1.00 | 0.139 | 0.018 | 0.025 | 0.034 | 0.042 | 0.004 |
| | | | AB19-100322 | ASSAY | TB19194543 | 292.00 | 293.00 | 1.00 | 0.093 | 0.015 | 0.026 | 0.031 | 0.044 | 0.003 |
| | | | AB19-100323 | ASSAY | TB19194543 | 293.00 | 294.00 | 1.00 | 0.494 | 0.078 | 0.050 | 0.043 | 0.035 | 0.003 |
| | | | AB19-100324 | ASSAY | TB19194543 | 294.00 | 295.00 | 1.00 | 0.866 | 0.062 | 0.170 | 0.099 | 0.071 | 0.006 |
| | | | AB19-100325 | ASSAY | TB19194543 | 295.00 | 296.00 | 1.00 | 0.461 | 0.049 | 0.098 | 0.077 | 0.053 | 0.005 |
| | | | AB19-100326 | ASSAY | TB19194543 | 296.00 | 297.00 | 1.00 | 0.139 | 0.014 | 0.020 | 0.032 | 0.037 | 0.005 |
| | | | AB19-100327 | ASSAY | TB19194543 | 297.00 | 298.00 | 1.00 | 0.830 | 0.070 | 0.048 | 0.057 | 0.048 | 0.005 |
| | | | AB19-100328 | ASSAY | TB19194543 | 298.00 | 299.00 | 1.00 | 0.147 | 0.034 | 0.049 | 0.027 | 0.031 | 0.004 |
| | | | AB19-100329 | ASSAY | TB19194543 | 299.00 | 300.00 | 1.00 | 0.055 | 0.005 | 0.011 | 0.014 | 0.045 | 0.004 |
| | | | AB19-100330 | ASSAY | TB19194543 | 300.00 | 301.00 | 1.00 | 0.017 | 0.003 | 0.008 | 0.015 | 0.034 | 0.004 |
| | | | AB19-100331 | ASSAY | TB19194543 | 301.00 | 302.00 | 1.00 | 0.205 | 0.009 | 0.023 | 0.030 | 0.037 | 0.003 |
| | | | AB19-100332 | ASSAY | TB19194543 | 302.00 | 303.00 | 1.00 | 0.079 | 0.003 | 0.016 | 0.024 | 0.030 | 0.004 |
| | | | AB19-100334 | ASSAY | TB19194543 | 303.00 | 304.00 | 1.00 | 0.043 | 0.003 | 0.022 | 0.023 | 0.031 | 0.003 |
| | | | AB19-100335 | ASSAY | TB19194543 | 304.00 | 305.00 | 1.00 | 0.339 | 0.032 | 0.055 | 0.051 | 0.041 | 0.003 |
| | | | AB19-100336 | ASSAY | TB19194543 | 305.00 | 306.00 | 1.00 | 0.220 | 0.028 | 0.115 | 0.064 | 0.084 | 0.005 |
| | | | AB19-100337 | ASSAY | TB19194543 | 306.00 | 307.00 | 1.00 | 0.204 | 0.019 | 0.021 | 0.025 | 0.036 | 0.004 |
| | | | AB19-100338 | ASSAY | TB19194543 | 307.00 | 308.00 | 1.00 | 0.027 | 0.003 | 0.009 | 0.018 | 0.036 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100339 | ASSAY | TB19194543 | 308.00 | 309.00 | 1.00 | 0.002 | 0.003 | 0.005 | 0.015 | 0.034 | 0.004 |
| | | | AB19-100340 | ASSAY | TB19194543 | 309.00 | 310.00 | 1.00 | 0.221 | 0.019 | 0.022 | 0.034 | 0.047 | 0.004 |
| | | | AB19-100341 | ASSAY | TB19194543 | 310.00 | 311.00 | 1.00 | 0.018 | 0.003 | 0.012 | 0.019 | 0.044 | 0.004 |
| | | | AB19-100342 | ASSAY | TB19194543 | 311.00 | 312.00 | 1.00 | 0.022 | 0.011 | 0.015 | 0.025 | 0.055 | 0.003 |
| | | | AB19-100343 | ASSAY | TB19194543 | 312.00 | 313.00 | 1.00 | 0.100 | 0.013 | 0.027 | 0.045 | 0.060 | 0.003 |
| | | | AB19-100344 | ASSAY | TB19194543 | 313.00 | 314.00 | 1.00 | 0.014 | 0.003 | 0.010 | 0.019 | 0.042 | 0.002 |
| | | | AB19-100345 | ASSAY | TB19194543 | 314.00 | 315.00 | 1.00 | 0.006 | 0.003 | 0.005 | 0.014 | 0.029 | 0.003 |
| | | | AB19-100346 | ASSAY | TB19194543 | 315.00 | 316.00 | 1.00 | 0.054 | 0.022 | 0.023 | 0.051 | 0.089 | 0.004 |
| | | | AB19-100347 | ASSAY | TB19194543 | 316.00 | 317.00 | 1.00 | 0.078 | 0.012 | 0.014 | 0.025 | 0.038 | 0.003 |
| | | | AB19-100348 | ASSAY | TB19194543 | 317.00 | 318.00 | 1.00 | 0.007 | 0.003 | 0.003 | 0.009 | 0.031 | 0.004 |
| | | | AB19-100349 | ASSAY | TB19194543 | 318.00 | 319.00 | 1.00 | 0.007 | 0.003 | 0.003 | 0.018 | 0.041 | 0.005 |
| | | | AB19-100350 | ASSAY | TB19194543 | 319.00 | 320.00 | 1.00 | 0.008 | 0.003 | 0.003 | 0.010 | 0.037 | 0.004 |
| | | | AB19-100351 | ASSAY | TB19194543 | 320.00 | 321.00 | 1.00 | 0.072 | 0.003 | 0.005 | 0.012 | 0.030 | 0.003 |
| | | | AB19-100352 | ASSAY | TB19194543 | 321.00 | 322.00 | 1.00 | 0.028 | 0.007 | 0.009 | 0.018 | 0.035 | 0.004 |
| | | | AB19-100354 | ASSAY | TB19194543 | 322.00 | 323.00 | 1.00 | 0.220 | 0.048 | 0.017 | 0.029 | 0.051 | 0.006 |
| | | | AB19-100355 | ASSAY | TB19194543 | 323.00 | 324.00 | 1.00 | 0.005 | 0.003 | 0.009 | 0.029 | 0.058 | 0.007 |
| | | | AB19-100356 | ASSAY | TB19194543 | 324.00 | 325.00 | 1.00 | 0.007 | 0.003 | 0.006 | 0.019 | 0.050 | 0.007 |
| | | | AB19-100357 | ASSAY | TB19194543 | 325.00 | 326.00 | 1.00 | 0.007 | 0.003 | 0.020 | 0.029 | 0.041 | 0.004 |
| | | | AB19-100358 | ASSAY | TB19194543 | 326.00 | 327.00 | 1.00 | 0.097 | 0.012 | 0.024 | 0.041 | 0.050 | 0.004 |
| | | | AB19-100359 | ASSAY | TB19194543 | 327.00 | 327.84 | 0.84 | 0.010 | 0.007 | 0.028 | 0.056 | 0.090 | 0.005 |

| From | To | Lithology |
|---|---|---|
| 327.84 | 363.80 | **NOR** |

NOR
mg, massive, "fresh", only weakly chl-act altered, locally moderate alt. Local fg phases, but overall mg homogeneous. Abundant bronzite. Crosscut locally by felsic dykes (some larger and foliated possible tonalite blocks?). sharp upper contact with GAB VT. trace fg diss and fracture controlled pyrite below 335m. local very fine blebs/disseminations of po below 353m. k=2-20 SI

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100360 | ASSAY | TB19194543 | 327.84 | 329.00 | 1.16 | 0.001 | 0.003 | 0.002 | 0.013 | 0.053 | 0.008 |
| AB19-100361 | ASSAY | TB19194543 | 329.00 | 330.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.047 | 0.008 |
| AB19-100362 | ASSAY | TB19194543 | 330.00 | 331.00 | 1.00 | 0.005 | 0.003 | 0.002 | 0.012 | 0.045 | 0.007 |
| AB19-100363 | ASSAY | TB19194543 | 331.00 | 332.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.016 | 0.051 | 0.008 |
| AB19-100364 | ASSAY | TB19194543 | 332.00 | 333.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.053 | 0.008 |
| AB19-100365 | ASSAY | TB19194543 | 333.00 | 334.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.053 | 0.008 |
| AB19-100366 | ASSAY | TB19194543 | 334.00 | 335.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.013 | 0.057 | 0.008 |
| AB19-100367 | ASSAY | TB19194543 | 335.00 | 336.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.051 | 0.008 |
| AB19-100368 | ASSAY | TB19194543 | 336.00 | 337.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.011 | 0.052 | 0.008 |
| AB19-100369 | ASSAY | TB19194543 | 337.00 | 338.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.011 | 0.031 | 0.004 |
| AB19-100370 | ASSAY | TB19194543 | 338.00 | 339.00 | 1.00 | 0.018 | 0.003 | 0.004 | 0.005 | 0.013 | 0.003 |
| AB19-100371 | ASSAY | TB19194543 | 339.00 | 340.00 | 1.00 | 0.011 | 0.003 | 0.003 | 0.010 | 0.043 | 0.007 |
| AB19-100372 | ASSAY | TB19194543 | 340.00 | 341.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.010 | 0.052 | 0.008 |
| AB19-100374 | ASSAY | TB19194543 | 341.00 | 342.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.055 | 0.008 |
| AB19-100375 | ASSAY | TB19194543 | 342.00 | 343.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.055 | 0.008 |
| AB19-100376 | ASSAY | TB19194543 | 343.00 | 344.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.017 | 0.055 | 0.008 |
| AB19-100377 | ASSAY | TB19194543 | 344.00 | 345.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.054 | 0.008 |
| AB19-100378 | ASSAY | TB19194543 | 345.00 | 346.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.055 | 0.008 |
| AB19-100379 | ASSAY | TB19194543 | 346.00 | 347.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.016 | 0.051 | 0.008 |
| AB19-100380 | ASSAY | TB19194543 | 347.00 | 348.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.014 | 0.037 | 0.006 |
| AB19-100381 | ASSAY | TB19194543 | 348.00 | 349.00 | 1.00 | 0.027 | 0.003 | 0.006 | 0.013 | 0.051 | 0.008 |
| AB19-100382 | ASSAY | TB19194543 | 349.00 | 350.00 | 1.00 | 0.018 | 0.003 | 0.005 | 0.011 | 0.052 | 0.008 |
| AB19-100383 | ASSAY | TB19194543 | 350.00 | 351.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.012 | 0.052 | 0.008 |
| AB19-100384 | ASSAY | TB19194543 | 351.00 | 352.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.048 | 0.007 |
| AB19-100385 | ASSAY | TB19194543 | 352.00 | 353.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.054 | 0.008 |
| AB19-100386 | ASSAY | TB19194543 | 353.00 | 354.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.017 | 0.063 | 0.009 |
| AB19-100387 | ASSAY | TB19194543 | 354.00 | 355.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.054 | 0.008 |
| AB19-100388 | ASSAY | TB19194543 | 355.00 | 356.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.056 | 0.009 |
| AB19-100389 | ASSAY | TB19194543 | 356.00 | 357.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.056 | 0.008 |
| AB19-100393 | ASSAY | TB19194544 | 357.00 | 358.00 | 1.00 | 0.003 | 0.003 | 0.005 | 0.017 | 0.064 | 0.009 |
| AB19-100394 | ASSAY | TB19194544 | 358.00 | 359.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.016 | 0.052 | 0.009 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100395 | ASSAY | TB19194544 | 359.00 | 360.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.018 | 0.063 | 0.009 |
| | | | AB19-100396 | ASSAY | TB19194544 | 360.00 | 361.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.018 | 0.061 | 0.009 |
| | | | AB19-100397 | ASSAY | TB19194544 | 361.00 | 362.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.057 | 0.009 |
| | | | AB19-100398 | ASSAY | TB19194544 | 362.00 | 363.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.016 | 0.057 | 0.008 |
| | | | AB19-100399 | ASSAY | TB19194544 | 363.00 | 364.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.017 | 0.059 | 0.008 |
| 363.80 | 371.46 | **NOR-Vt**<br>NOR VT<br>weakly varitextured, marked by appearance of local coarse grained interval and also an interval of fg weakly feldspar porphyritic and moderately magnetic (k=56) norite? with blurred contacts, still predominantly mg fresh norite. local moderate chl-act alt. lower contact sharp with appearance of strong chl-act alt. k=4-17 | AB19-100400 | ASSAY | TB19194544 | 364.00 | 365.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.024 | 0.068 | 0.009 |
| | | | AB19-100401 | ASSAY | TB19194544 | 365.00 | 366.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.015 | 0.059 | 0.009 |
| | | | AB19-100402 | ASSAY | TB19194544 | 366.00 | 367.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.014 | 0.057 | 0.009 |
| | | | AB19-100403 | ASSAY | TB19194544 | 367.00 | 368.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.013 | 0.057 | 0.008 |
| | | | AB19-100404 | ASSAY | TB19194544 | 368.00 | 369.00 | 1.00 | 0.032 | 0.003 | 0.008 | 0.018 | 0.040 | 0.007 |
| | | | AB19-100405 | ASSAY | TB19194544 | 369.00 | 370.00 | 1.00 | 0.007 | 0.003 | 0.004 | 0.016 | 0.014 | 0.006 |
| | | | AB19-100406 | ASSAY | TB19194544 | 370.00 | 370.90 | 0.90 | 0.009 | 0.003 | 0.003 | 0.015 | 0.058 | 0.008 |
| | | | AB19-100407 | ASSAY | TB19194544 | 370.90 | 371.46 | 0.56 | 0.004 | 0.003 | 0.003 | 0.027 | 0.074 | 0.009 |
| 371.46 | 386.37 | **PYXT**<br>Pyroxenite/chl-act schist (just strongly altered norite b/c SG does not increase and mag is similar to norite)<br>Strongly/intensely act-chl altered, strongly foliated , generally increasing in strength towards lower contact, foliation/schistosity contains local strong mineral lioneations of altered pyroxene. local subparallel but steeper planes with slickenlines, strongly fractured b/w 381 and 386m. small block of tonalite b/w 382.25-382.5m trace-0.5% pyrite filling fractures. sharp lower contact.<br>Assuming foliation is related to camp lake fault at approx. 240/55, mineral lineations measure with a trend/plunge of approx. 040/22 to 045/40. a subparallel plane to foliation (267/62) shows slickenlines locally at approx. 074/20. Assuming the orientation of 240/55 for foliation, local shear sense indicators show some sinistral motion, but not definitive. | AB19-100408 | ASSAY | TB19194544 | 371.46 | 372.67 | 1.21 | 0.002 | 0.003 | 0.002 | 0.015 | 0.058 | 0.008 |
| | | | AB19-100409 | ASSAY | TB19194544 | 372.67 | 374.00 | 1.33 | 0.002 | 0.003 | 0.002 | 0.017 | 0.061 | 0.008 |
| | | | AB19-100410 | ASSAY | TB19194544 | 374.00 | 375.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.027 | 0.071 | 0.009 |
| | | | AB19-100412 | ASSAY | TB19194544 | 375.00 | 376.00 | 1.00 | 0.004 | 0.003 | 0.005 | 0.026 | 0.071 | 0.009 |
| | | | AB19-100413 | ASSAY | TB19194544 | 376.00 | 377.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.013 | 0.055 | 0.008 |
| | | | AB19-100414 | ASSAY | TB19194544 | 377.00 | 378.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.012 | 0.056 | 0.008 |
| | | | AB19-100415 | ASSAY | TB19194544 | 378.00 | 379.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.053 | 0.008 |
| | | | AB19-100416 | ASSAY | TB19194544 | 379.00 | 380.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.013 | 0.058 | 0.009 |
| | | | AB19-100417 | ASSAY | TB19194544 | 380.00 | 381.00 | 1.00 | 0.007 | 0.003 | 0.003 | 0.011 | 0.057 | 0.008 |
| | | | AB19-100418 | ASSAY | TB19194544 | 381.00 | 382.00 | 1.00 | 0.006 | 0.003 | 0.004 | 0.015 | 0.053 | 0.008 |
| | | | AB19-100419 | ASSAY | TB19194544 | 382.00 | 383.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.015 | 0.029 | 0.005 |
| | | | AB19-100420 | ASSAY | TB19194544 | 383.00 | 384.00 | 1.00 | 0.006 | 0.003 | 0.005 | 0.039 | 0.082 | 0.008 |
| | | | AB19-100421 | ASSAY | TB19194544 | 384.00 | 385.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.029 | 0.061 | 0.008 |
| | | | AB19-100422 | ASSAY | TB19194544 | 385.00 | 385.75 | 0.75 | 0.007 | 0.003 | 0.001 | 0.014 | 0.049 | 0.008 |
| | | | AB19-100423 | ASSAY | TB19194544 | 385.75 | 386.37 | 0.62 | 0.003 | 0.003 | 0.003 | 0.017 | 0.052 | 0.009 |

| From | To | Lithology |
|---|---|---|
| 386.37 | 407.37 | **TON**<br>Massive tonalite<br>25% qtz 15-20% hbl/bt 55-60% fsp<br>massive to weakly foliated at 60dtca, unaltered, sharp lower contact.<br>upper contact is sharp with a 20cm interval of what appears to be strongly altered gab vt? then gradational into pervasive chl-act alt with patches of fe-oxidized tonalite across ~25cm, then into tonalite. local py veins, and trace vfg disseminated py throughout. local epidote and k alt. |

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100424 | ASSAY | TB19194544 | 386.37 | 387.00 | 0.63 | 0.002 | 0.003 | 0.003 | 0.013 | 0.020 | 0.006 |
| AB19-100425 | ASSAY | TB19194544 | 387.00 | 388.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| AB19-100426 | ASSAY | TB19194544 | 388.00 | 389.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| AB19-100427 | ASSAY | TB19194544 | 389.00 | 390.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.002 | 0.001 |
| AB19-100428 | ASSAY | TB19194544 | 390.00 | 391.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| AB19-100429 | ASSAY | TB19194544 | 391.00 | 392.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.001 | 0.001 |
| AB19-100430 | ASSAY | TB19194544 | 392.00 | 393.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.001 | 0.001 |
| AB19-100432 | ASSAY | TB19194544 | 393.00 | 394.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| AB19-100433 | ASSAY | TB19194544 | 394.00 | 395.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| AB19-100434 | ASSAY | TB19194544 | 395.00 | 396.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| AB19-100435 | ASSAY | TB19194544 | 396.00 | 397.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.001 |
| AB19-100436 | ASSAY | TB19194544 | 397.00 | 398.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.001 | 0.001 |
| AB19-100437 | ASSAY | TB19194544 | 398.00 | 399.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.009 | 0.001 | 0.001 |
| AB19-100438 | ASSAY | TB19194544 | 399.00 | 400.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.000 |
| AB19-100439 | ASSAY | TB19194544 | 400.00 | 401.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| AB19-100440 | ASSAY | TB19194544 | 401.00 | 402.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| AB19-100441 | ASSAY | TB19194544 | 402.00 | 403.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| AB19-100442 | ASSAY | TB19194544 | 403.00 | 404.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.001 |
| AB19-100443 | ASSAY | TB19194544 | 404.00 | 405.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.001 | 0.001 |
| AB19-100444 | ASSAY | TB19194544 | 405.00 | 406.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.001 | 0.001 |
| AB19-100445 | ASSAY | TB19194544 | 406.00 | 407.37 | 1.37 | 0.001 | 0.003 | 0.001 | 0.005 | 0.002 | 0.001 |

| From | To | Lithology |
|---|---|---|
| 407.37 | 527.05 | **GAB-VBx** |

GAB VT BX
fg-cg, predominantly cg, mod-str chl-act alteration of mafic minerals (and local biotite alteration of mafics). fairly leucocratic. most fg phases appear to be fragments within the coarser grained matrix (breccia). fg fragments sometimes moderately magnetic (k=~30). epidote and k-spar altered at top and sheared quartz veining around 409m. sharp upper contact with tonalite. below 473 short intervals of fresh and altered norite appear (eg. 483.32-484.81m). in addition to fg gab frags, mg leucogab fragments occur towards bottom of interval. Gradational lower contact with norite. Crosscut by fair amount of felsic dykes. lower contact becomes strongly altered and gradational with lower norite.

Patchy mineralization throughout from trace to up to 3% po-ccp+/-pn (local patches of pyrite filling fractures, disseminated and blebby replacing pyrrhotite)

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100446 | ASSAY | TB19194544 | 407.37 | 408.67 | 1.30 | 0.007 | 0.003 | 0.001 | 0.006 | 0.017 | 0.002 |
| AB19-100447 | ASSAY | TB19194544 | 408.67 | 409.80 | 1.13 | 0.015 | 0.007 | 0.022 | 0.108 | 0.102 | 0.005 |
| AB19-100448 | ASSAY | TB19194544 | 409.80 | 411.00 | 1.20 | 0.111 | 0.015 | 0.022 | 0.087 | 0.099 | 0.005 |
| AB19-100449 | ASSAY | TB19194544 | 411.00 | 412.00 | 1.00 | 0.009 | 0.005 | 0.001 | 0.018 | 0.040 | 0.002 |
| AB19-100450 | ASSAY | TB19194544 | 412.00 | 413.00 | 1.00 | 0.027 | 0.012 | 0.028 | 0.132 | 0.122 | 0.006 |
| AB19-100452 | ASSAY | TB19194544 | 413.00 | 414.00 | 1.00 | 0.054 | 0.011 | 0.026 | 0.154 | 0.116 | 0.005 |
| AB19-100453 | ASSAY | TB19194544 | 414.00 | 415.00 | 1.00 | 0.234 | 0.026 | 0.017 | 0.105 | 0.112 | 0.004 |
| AB19-100454 | ASSAY | TB19194544 | 415.00 | 416.00 | 1.00 | 0.030 | 0.010 | 0.012 | 0.091 | 0.136 | 0.005 |
| AB19-100455 | ASSAY | TB19194544 | 416.00 | 417.00 | 1.00 | 0.042 | 0.009 | 0.009 | 0.029 | 0.054 | 0.004 |
| AB19-100456 | ASSAY | TB19194544 | 417.00 | 418.00 | 1.00 | 0.004 | 0.003 | 0.002 | 0.012 | 0.027 | 0.003 |
| AB19-100457 | ASSAY | TB19194544 | 418.00 | 419.00 | 1.00 | 0.026 | 0.009 | 0.021 | 0.129 | 0.092 | 0.005 |
| AB19-100458 | ASSAY | TB19194544 | 419.00 | 420.00 | 1.00 | 0.046 | 0.012 | 0.017 | 0.085 | 0.150 | 0.007 |
| AB19-100459 | ASSAY | TB19194544 | 420.00 | 421.00 | 1.00 | 0.101 | 0.018 | 0.012 | 0.076 | 0.083 | 0.006 |
| AB19-100460 | ASSAY | TB19194544 | 421.00 | 422.00 | 1.00 | 0.007 | 0.003 | 0.001 | 0.007 | 0.049 | 0.003 |
| AB19-100461 | ASSAY | TB19194544 | 422.00 | 423.00 | 1.00 | 0.134 | 0.019 | 0.021 | 0.092 | 0.128 | 0.007 |
| AB19-100462 | ASSAY | TB19194544 | 423.00 | 424.00 | 1.00 | 0.005 | 0.003 | 0.012 | 0.042 | 0.060 | 0.005 |
| AB19-100463 | ASSAY | TB19194544 | 424.00 | 425.00 | 1.00 | 0.008 | 0.003 | 0.011 | 0.038 | 0.060 | 0.005 |
| AB19-100464 | ASSAY | TB19194544 | 425.00 | 426.00 | 1.00 | 0.029 | 0.003 | 0.001 | 0.009 | 0.065 | 0.003 |
| AB19-100465 | ASSAY | TB19194544 | 426.00 | 427.00 | 1.00 | 0.006 | 0.003 | 0.001 | 0.004 | 0.043 | 0.003 |
| AB19-100466 | ASSAY | TB19194544 | 427.00 | 428.00 | 1.00 | 0.022 | 0.007 | 0.004 | 0.012 | 0.039 | 0.004 |
| AB19-100467 | ASSAY | TB19194544 | 428.00 | 429.00 | 1.00 | 0.006 | 0.003 | 0.004 | 0.019 | 0.033 | 0.004 |
| AB19-100471 | ASSAY | TB19194545 | 429.00 | 430.00 | 1.00 | 0.013 | 0.003 | 0.014 | 0.057 | 0.043 | 0.005 |
| AB19-100472 | ASSAY | TB19194545 | 430.00 | 431.00 | 1.00 | 0.006 | 0.003 | 0.011 | 0.057 | 0.054 | 0.006 |
| AB19-100473 | ASSAY | TB19194545 | 431.00 | 432.00 | 1.00 | 0.006 | 0.005 | 0.004 | 0.026 | 0.054 | 0.005 |
| AB19-100474 | ASSAY | TB19194545 | 432.00 | 433.00 | 1.00 | 0.007 | 0.003 | 0.003 | 0.015 | 0.062 | 0.003 |
| AB19-100475 | ASSAY | TB19194545 | 433.00 | 434.00 | 1.00 | 0.013 | 0.005 | 0.026 | 0.074 | 0.095 | 0.004 |
| AB19-100476 | ASSAY | TB19194545 | 434.00 | 435.00 | 1.00 | 0.027 | 0.007 | 0.007 | 0.026 | 0.068 | 0.004 |
| AB19-100477 | ASSAY | TB19194545 | 435.00 | 436.00 | 1.00 | 0.018 | 0.006 | 0.006 | 0.017 | 0.026 | 0.005 |
| AB19-100478 | ASSAY | TB19194545 | 436.00 | 437.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.023 | 0.031 | 0.005 |
| AB19-100479 | ASSAY | TB19194545 | 437.00 | 438.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.019 | 0.006 |
| AB19-100480 | ASSAY | TB19194545 | 438.00 | 439.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.022 | 0.034 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100481 | ASSAY | TB19194545 | 439.00 | 440.00 | 1.00 | 0.005 | 0.003 | 0.005 | 0.022 | 0.053 | 0.004 |
| | | | AB19-100482 | ASSAY | TB19194545 | 440.00 | 441.00 | 1.00 | 0.016 | 0.008 | 0.006 | 0.042 | 0.125 | 0.006 |
| | | | AB19-100483 | ASSAY | TB19194545 | 441.00 | 442.00 | 1.00 | 0.009 | 0.005 | 0.010 | 0.062 | 0.102 | 0.006 |
| | | | AB19-100484 | ASSAY | TB19194545 | 442.00 | 443.00 | 1.00 | 0.026 | 0.013 | 0.026 | 0.176 | 0.208 | 0.010 |
| | | | AB19-100485 | ASSAY | TB19194545 | 443.00 | 444.00 | 1.00 | 0.006 | 0.005 | 0.001 | 0.012 | 0.061 | 0.004 |
| | | | AB19-100486 | ASSAY | TB19194545 | 444.00 | 445.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.043 | 0.003 |
| | | | AB19-100487 | ASSAY | TB19194545 | 445.00 | 446.00 | 1.00 | 0.009 | 0.003 | 0.002 | 0.013 | 0.069 | 0.005 |
| | | | AB19-100488 | ASSAY | TB19194545 | 446.00 | 447.00 | 1.00 | 0.007 | 0.003 | 0.012 | 0.061 | 0.100 | 0.008 |
| | | | AB19-100490 | ASSAY | TB19194545 | 447.00 | 448.00 | 1.00 | 0.006 | 0.005 | 0.007 | 0.028 | 0.055 | 0.005 |
| | | | AB19-100491 | ASSAY | TB19194545 | 448.00 | 449.00 | 1.00 | 0.005 | 0.003 | 0.002 | 0.012 | 0.035 | 0.003 |
| | | | AB19-100492 | ASSAY | TB19194545 | 449.00 | 450.00 | 1.00 | 0.007 | 0.005 | 0.007 | 0.029 | 0.055 | 0.005 |
| | | | AB19-100493 | ASSAY | TB19194545 | 450.00 | 451.00 | 1.00 | 0.002 | 0.003 | 0.010 | 0.030 | 0.029 | 0.003 |
| | | | AB19-100494 | ASSAY | TB19194545 | 451.00 | 452.00 | 1.00 | 0.001 | 0.003 | 0.004 | 0.019 | 0.018 | 0.004 |
| | | | AB19-100495 | ASSAY | TB19194545 | 452.00 | 453.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.021 | 0.003 |
| | | | AB19-100496 | ASSAY | TB19194545 | 453.00 | 454.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.021 | 0.003 |
| | | | AB19-100497 | ASSAY | TB19194545 | 454.00 | 455.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.016 | 0.002 |
| | | | AB19-100498 | ASSAY | TB19194545 | 455.00 | 456.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.025 | 0.003 |
| | | | AB19-100499 | ASSAY | TB19194545 | 456.00 | 457.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.020 | 0.003 |
| | | | AB19-100500 | ASSAY | TB19194545 | 457.00 | 458.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.012 | 0.037 | 0.004 |
| | | | AB19-100501 | ASSAY | TB19194545 | 458.00 | 459.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.011 | 0.037 | 0.004 |
| | | | AB19-100502 | ASSAY | TB19194545 | 459.00 | 460.00 | 1.00 | 0.008 | 0.005 | 0.001 | 0.011 | 0.058 | 0.004 |
| | | | AB19-100503 | ASSAY | TB19194545 | 460.00 | 461.00 | 1.00 | 0.004 | 0.003 | 0.007 | 0.026 | 0.032 | 0.004 |
| | | | AB19-100504 | ASSAY | TB19194545 | 461.00 | 462.00 | 1.00 | 0.008 | 0.005 | 0.014 | 0.052 | 0.055 | 0.005 |
| | | | AB19-100505 | ASSAY | TB19194545 | 462.00 | 463.00 | 1.00 | 0.007 | 0.006 | 0.030 | 0.074 | 0.080 | 0.004 |
| | | | AB19-100506 | ASSAY | TB19194545 | 463.00 | 464.00 | 1.00 | 0.005 | 0.006 | 0.011 | 0.039 | 0.053 | 0.005 |
| | | | AB19-100507 | ASSAY | TB19194545 | 464.00 | 465.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.003 |
| | | | AB19-100508 | ASSAY | TB19194545 | 465.00 | 466.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.030 | 0.003 |
| | | | AB19-100510 | ASSAY | TB19194545 | 466.00 | 467.00 | 1.00 | 0.015 | 0.007 | 0.031 | 0.090 | 0.122 | 0.005 |
| | | | AB19-100511 | ASSAY | TB19194545 | 467.00 | 468.00 | 1.00 | 0.025 | 0.009 | 0.036 | 0.117 | 0.174 | 0.008 |
| | | | AB19-100512 | ASSAY | TB19194545 | 468.00 | 469.00 | 1.00 | 0.012 | 0.006 | 0.021 | 0.086 | 0.114 | 0.007 |
| | | | AB19-100513 | ASSAY | TB19194545 | 469.00 | 470.00 | 1.00 | 0.026 | 0.009 | 0.046 | 0.162 | 0.200 | 0.009 |
| | | | AB19-100514 | ASSAY | TB19194545 | 470.00 | 471.00 | 1.00 | 0.014 | 0.006 | 0.021 | 0.080 | 0.107 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100515 | ASSAY | TB19194545 | 471.00 | 472.00 | 1.00 | 0.013 | 0.008 | 0.029 | 0.093 | 0.092 | 0.004 |
| | | | AB19-100516 | ASSAY | TB19194545 | 472.00 | 473.00 | 1.00 | 0.017 | 0.005 | 0.039 | 0.117 | 0.120 | 0.006 |
| | | | AB19-100517 | ASSAY | TB19194545 | 473.00 | 474.00 | 1.00 | 0.006 | 0.003 | 0.012 | 0.034 | 0.047 | 0.003 |
| | | | AB19-100518 | ASSAY | TB19194545 | 474.00 | 475.00 | 1.00 | 0.012 | 0.005 | 0.011 | 0.090 | 0.115 | 0.008 |
| | | | AB19-100519 | ASSAY | TB19194545 | 475.00 | 476.00 | 1.00 | 0.017 | 0.008 | 0.023 | 0.106 | 0.128 | 0.007 |
| | | | AB19-100520 | ASSAY | TB19194545 | 476.00 | 477.00 | 1.00 | 0.005 | 0.003 | 0.002 | 0.012 | 0.046 | 0.004 |
| | | | AB19-100521 | ASSAY | TB19194545 | 477.00 | 477.75 | 0.75 | 0.009 | 0.005 | 0.009 | 0.045 | 0.069 | 0.006 |
| | | | AB19-100522 | ASSAY | TB19194545 | 477.75 | 478.30 | 0.55 | 0.028 | 0.012 | 0.025 | 0.176 | 0.192 | 0.008 |
| | | | AB19-100523 | ASSAY | TB19194545 | 478.30 | 479.00 | 0.70 | 0.027 | 0.015 | 0.038 | 0.152 | 0.166 | 0.008 |
| | | | AB19-100524 | ASSAY | TB19194545 | 479.00 | 480.30 | 1.30 | 0.012 | 0.007 | 0.020 | 0.073 | 0.095 | 0.006 |
| | | | AB19-100525 | ASSAY | TB19194545 | 480.30 | 480.90 | 0.60 | 0.040 | 0.018 | 0.082 | 0.254 | 0.263 | 0.008 |
| | | | AB19-100526 | ASSAY | TB19194545 | 480.90 | 482.00 | 1.10 | 0.024 | 0.009 | 0.054 | 0.148 | 0.164 | 0.006 |
| | | | AB19-100527 | ASSAY | TB19194545 | 482.00 | 483.00 | 1.00 | 0.010 | 0.006 | 0.016 | 0.068 | 0.083 | 0.004 |
| | | | AB19-100528 | ASSAY | TB19194545 | 483.00 | 484.00 | 1.00 | 0.005 | 0.003 | 0.007 | 0.019 | 0.049 | 0.007 |
| | | | AB19-100530 | ASSAY | TB19194545 | 484.00 | 485.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.013 | 0.047 | 0.008 |
| | | | AB19-100531 | ASSAY | TB19194545 | 485.00 | 486.00 | 1.00 | 0.004 | 0.003 | 0.005 | 0.017 | 0.031 | 0.003 |
| | | | AB19-100532 | ASSAY | TB19194545 | 486.00 | 487.00 | 1.00 | 0.009 | 0.006 | 0.011 | 0.036 | 0.063 | 0.004 |
| | | | AB19-100533 | ASSAY | TB19194545 | 487.00 | 488.00 | 1.00 | 0.008 | 0.003 | 0.008 | 0.023 | 0.068 | 0.005 |
| | | | AB19-100534 | ASSAY | TB19194545 | 488.00 | 489.00 | 1.00 | 0.010 | 0.008 | 0.005 | 0.016 | 0.054 | 0.005 |
| | | | AB19-100535 | ASSAY | TB19194545 | 489.00 | 490.00 | 1.00 | 0.008 | 0.003 | 0.007 | 0.022 | 0.046 | 0.005 |
| | | | AB19-100536 | ASSAY | TB19194545 | 490.00 | 491.00 | 1.00 | 0.015 | 0.010 | 0.023 | 0.063 | 0.071 | 0.004 |
| | | | AB19-100537 | ASSAY | TB19194545 | 491.00 | 492.00 | 1.00 | 0.014 | 0.006 | 0.020 | 0.061 | 0.058 | 0.005 |
| | | | AB19-100538 | ASSAY | TB19194545 | 492.00 | 493.00 | 1.00 | 0.009 | 0.005 | 0.006 | 0.028 | 0.042 | 0.004 |
| | | | AB19-100539 | ASSAY | TB19194545 | 493.00 | 494.00 | 1.00 | 0.007 | 0.003 | 0.009 | 0.033 | 0.043 | 0.004 |
| | | | AB19-100540 | ASSAY | TB19194545 | 494.00 | 495.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.032 | 0.005 |
| | | | AB19-100541 | ASSAY | TB19194545 | 495.00 | 496.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.017 | 0.029 | 0.004 |
| | | | AB19-100542 | ASSAY | TB19194545 | 496.00 | 497.00 | 1.00 | 0.003 | 0.003 | 0.005 | 0.025 | 0.038 | 0.005 |
| | | | AB19-100543 | ASSAY | TB19194545 | 497.00 | 498.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.017 | 0.033 | 0.005 |
| | | | AB19-100544 | ASSAY | TB19194545 | 498.00 | 499.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.020 | 0.025 | 0.004 |
| | | | AB19-100545 | ASSAY | TB19194545 | 499.00 | 500.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.024 | 0.004 |
| | | | AB19-100549 | ASSAY | TB19194537 | 500.00 | 501.00 | 1.00 | 0.008 | 0.003 | 0.006 | 0.029 | 0.044 | 0.005 |
| | | | AB19-100550 | ASSAY | TB19194537 | 501.00 | 502.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.027 | 0.036 | 0.004 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100551 | ASSAY | TB19194537 | 502.00 | 503.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.012 | 0.025 | 0.003 |
| | | | AB19-100552 | ASSAY | TB19194537 | 503.00 | 504.00 | 1.00 | 0.007 | 0.003 | 0.013 | 0.035 | 0.035 | 0.003 |
| | | | AB19-100553 | ASSAY | TB19194537 | 504.00 | 505.00 | 1.00 | 0.012 | 0.005 | 0.011 | 0.043 | 0.058 | 0.004 |
| | | | AB19-100554 | ASSAY | TB19194537 | 505.00 | 506.00 | 1.00 | 0.006 | 0.003 | 0.005 | 0.036 | 0.057 | 0.006 |
| | | | AB19-100555 | ASSAY | TB19194537 | 506.00 | 507.00 | 1.00 | 0.006 | 0.003 | 0.004 | 0.026 | 0.060 | 0.007 |
| | | | AB19-100556 | ASSAY | TB19194537 | 507.00 | 508.00 | 1.00 | 0.009 | 0.003 | 0.008 | 0.041 | 0.069 | 0.006 |
| | | | AB19-100557 | ASSAY | TB19194537 | 508.00 | 509.00 | 1.00 | 0.010 | 0.006 | 0.009 | 0.037 | 0.061 | 0.006 |
| | | | AB19-100558 | ASSAY | TB19194537 | 509.00 | 510.00 | 1.00 | 0.008 | 0.005 | 0.006 | 0.030 | 0.074 | 0.007 |
| | | | AB19-100559 | ASSAY | TB19194537 | 510.00 | 511.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.016 | 0.060 | 0.007 |
| | | | AB19-100560 | ASSAY | TB19194537 | 511.00 | 512.00 | 1.00 | 0.008 | 0.003 | 0.007 | 0.037 | 0.082 | 0.008 |
| | | | AB19-100561 | ASSAY | TB19194537 | 512.00 | 513.00 | 1.00 | 0.007 | 0.003 | 0.004 | 0.022 | 0.072 | 0.008 |
| | | | AB19-100562 | ASSAY | TB19194537 | 513.00 | 514.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.015 | 0.055 | 0.007 |
| | | | AB19-100563 | ASSAY | TB19194537 | 514.00 | 515.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.020 | 0.064 | 0.008 |
| | | | AB19-100564 | ASSAY | TB19194537 | 515.00 | 516.00 | 1.00 | 0.018 | 0.008 | 0.013 | 0.078 | 0.125 | 0.009 |
| | | | AB19-100565 | ASSAY | TB19194537 | 516.00 | 517.00 | 1.00 | 0.006 | 0.003 | 0.004 | 0.031 | 0.071 | 0.008 |
| | | | AB19-100566 | ASSAY | TB19194537 | 517.00 | 518.00 | 1.00 | 0.008 | 0.003 | 0.004 | 0.028 | 0.074 | 0.008 |
| | | | AB19-100568 | ASSAY | TB19194537 | 518.00 | 519.00 | 1.00 | 0.039 | 0.014 | 0.030 | 0.133 | 0.179 | 0.008 |
| | | | AB19-100569 | ASSAY | TB19194537 | 519.00 | 520.00 | 1.00 | 0.019 | 0.011 | 0.014 | 0.061 | 0.117 | 0.009 |
| | | | AB19-100570 | ASSAY | TB19194537 | 520.00 | 521.00 | 1.00 | 0.010 | 0.006 | 0.016 | 0.062 | 0.085 | 0.007 |
| | | | AB19-100571 | ASSAY | TB19194537 | 521.00 | 522.00 | 1.00 | 0.028 | 0.011 | 0.028 | 0.102 | 0.150 | 0.007 |
| | | | AB19-100572 | ASSAY | TB19194537 | 522.00 | 523.00 | 1.00 | 0.012 | 0.003 | 0.011 | 0.040 | 0.081 | 0.008 |
| | | | AB19-100573 | ASSAY | TB19194537 | 523.00 | 524.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.058 | 0.008 |
| | | | AB19-100574 | ASSAY | TB19194537 | 524.00 | 525.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.057 | 0.008 |
| | | | AB19-100575 | ASSAY | TB19194537 | 525.00 | 526.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.059 | 0.008 |
| | | | AB19-100576 | ASSAY | TB19194537 | 526.00 | 527.05 | 1.05 | 0.004 | 0.003 | 0.001 | 0.009 | 0.058 | 0.006 |

| From | To | Lithology |
|---|---|---|
| 527.05 | 564.88 | **NOR** |

NOR
mg, massive, mostly 'fresh' wkly altered NOR, start of interval strongly altered. Gradational upper contact with altered GABVTBx. A couple short intervals of cg GABVT below upper contact. mag sus: k=~1-10. crosscut by occassional felsic dykes (some possible tonalite blocks with resorbed boundaries) and a few mod magnetic mafic dykes.
patchy, trace to up to 2% locally, very fine to coarse blebby po-ccp+/-pn and local fracture filling po-ccp

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100577 | ASSAY | TB19194537 | 527.05 | 528.00 | 0.95 | 0.002 | 0.003 | 0.007 | 0.010 | 0.059 | 0.008 |
| AB19-100578 | ASSAY | TB19194537 | 528.00 | 529.00 | 1.00 | 0.011 | 0.005 | 0.004 | 0.020 | 0.067 | 0.008 |
| AB19-100579 | ASSAY | TB19194537 | 529.00 | 530.00 | 1.00 | 0.021 | 0.011 | 0.011 | 0.048 | 0.098 | 0.009 |
| AB19-100580 | ASSAY | TB19194537 | 530.00 | 531.00 | 1.00 | 0.021 | 0.010 | 0.019 | 0.077 | 0.129 | 0.009 |
| AB19-100581 | ASSAY | TB19194537 | 531.00 | 532.00 | 1.00 | 0.030 | 0.015 | 0.027 | 0.108 | 0.147 | 0.010 |
| AB19-100582 | ASSAY | TB19194537 | 532.00 | 533.00 | 1.00 | 0.026 | 0.010 | 0.017 | 0.062 | 0.126 | 0.010 |
| AB19-100583 | ASSAY | TB19194537 | 533.00 | 534.00 | 1.00 | 0.007 | 0.003 | 0.004 | 0.032 | 0.085 | 0.009 |
| AB19-100584 | ASSAY | TB19194537 | 534.00 | 535.00 | 1.00 | 0.006 | 0.003 | 0.007 | 0.026 | 0.084 | 0.009 |
| AB19-100585 | ASSAY | TB19194537 | 535.00 | 536.00 | 1.00 | 0.009 | 0.006 | 0.013 | 0.037 | 0.084 | 0.009 |
| AB19-100586 | ASSAY | TB19194537 | 536.00 | 537.00 | 1.00 | 0.007 | 0.003 | 0.007 | 0.022 | 0.070 | 0.007 |
| AB19-100588 | ASSAY | TB19194537 | 537.00 | 538.00 | 1.00 | 0.005 | 0.003 | 0.006 | 0.024 | 0.075 | 0.009 |
| AB19-100589 | ASSAY | TB19194537 | 538.00 | 539.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.023 | 0.070 | 0.009 |
| AB19-100590 | ASSAY | TB19194537 | 539.00 | 540.00 | 1.00 | 0.007 | 0.003 | 0.009 | 0.034 | 0.083 | 0.009 |
| AB19-100591 | ASSAY | TB19194537 | 540.00 | 541.00 | 1.00 | 0.009 | 0.006 | 0.009 | 0.041 | 0.095 | 0.010 |
| AB19-100592 | ASSAY | TB19194537 | 541.00 | 542.00 | 1.00 | 0.011 | 0.010 | 0.013 | 0.054 | 0.099 | 0.009 |
| AB19-100593 | ASSAY | TB19194537 | 542.00 | 543.00 | 1.00 | 0.017 | 0.006 | 0.012 | 0.038 | 0.102 | 0.009 |
| AB19-100594 | ASSAY | TB19194537 | 543.00 | 544.00 | 1.00 | 0.010 | 0.006 | 0.009 | 0.040 | 0.090 | 0.009 |
| AB19-100595 | ASSAY | TB19194537 | 544.00 | 545.00 | 1.00 | 0.007 | 0.003 | 0.006 | 0.034 | 0.080 | 0.009 |
| AB19-100596 | ASSAY | TB19194537 | 545.00 | 546.00 | 1.00 | 0.006 | 0.003 | 0.005 | 0.031 | 0.080 | 0.009 |
| AB19-100597 | ASSAY | TB19194537 | 546.00 | 547.00 | 1.00 | 0.005 | 0.003 | 0.004 | 0.022 | 0.074 | 0.009 |
| AB19-100598 | ASSAY | TB19194537 | 547.00 | 548.00 | 1.00 | 0.007 | 0.003 | 0.006 | 0.034 | 0.088 | 0.009 |
| AB19-100599 | ASSAY | TB19194537 | 548.00 | 549.00 | 1.00 | 0.025 | 0.013 | 0.021 | 0.091 | 0.157 | 0.010 |
| AB19-100600 | ASSAY | TB19194537 | 549.00 | 550.00 | 1.00 | 0.021 | 0.012 | 0.024 | 0.084 | 0.144 | 0.010 |
| AB19-100601 | ASSAY | TB19194537 | 550.00 | 551.00 | 1.00 | 0.011 | 0.007 | 0.010 | 0.044 | 0.098 | 0.009 |
| AB19-100602 | ASSAY | TB19194537 | 551.00 | 552.00 | 1.00 | 0.005 | 0.003 | 0.003 | 0.018 | 0.062 | 0.007 |
| AB19-100603 | ASSAY | TB19194537 | 552.00 | 553.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.050 | 0.007 |
| AB19-100604 | ASSAY | TB19194537 | 553.00 | 554.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.063 | 0.009 |
| AB19-100605 | ASSAY | TB19194537 | 554.00 | 555.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.014 | 0.065 | 0.009 |
| AB19-100606 | ASSAY | TB19194537 | 555.00 | 556.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.011 | 0.063 | 0.009 |
| AB19-100608 | ASSAY | TB19194537 | 556.00 | 557.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.061 | 0.009 |
| AB19-100609 | ASSAY | TB19194537 | 557.00 | 558.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.016 | 0.068 | 0.009 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100610 | ASSAY | TB19194537 | 558.00 | 559.00 | 1.00 | 0.030 | 0.010 | 0.003 | 0.018 | 0.102 | 0.009 |
| | | | AB19-100611 | ASSAY | TB19194537 | 559.00 | 560.00 | 1.00 | 0.006 | 0.003 | 0.007 | 0.017 | 0.070 | 0.008 |
| | | | AB19-100612 | ASSAY | TB19194537 | 560.00 | 561.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.010 | 0.064 | 0.009 |
| | | | AB19-100613 | ASSAY | TB19194537 | 561.00 | 562.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.065 | 0.009 |
| | | | AB19-100614 | ASSAY | TB19194537 | 562.00 | 563.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.016 | 0.037 | 0.006 |
| | | | AB19-100615 | ASSAY | TB19194537 | 563.00 | 564.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.051 | 0.008 |
| | | | AB19-100616 | ASSAY | TB19194537 | 564.00 | 564.88 | 0.88 | 0.002 | 0.003 | 0.001 | 0.007 | 0.048 | 0.007 |
| 564.88 | 566.85 | **DIKE-Mafic**<br>Mafic dyke<br>fg, moderately magnetic (k=6-23)<br>sharp contacts, a few norite xenoliths. | AB19-100617 | ASSAY | TB19194537 | 564.88 | 566.00 | 1.12 | 0.007 | 0.003 | 0.005 | 0.028 | 0.043 | 0.007 |
| | | | AB19-100618 | ASSAY | TB19194537 | 566.00 | 566.85 | 0.85 | 0.009 | 0.003 | 0.003 | 0.019 | 0.024 | 0.006 |
| 566.85 | 577.52 | **NOR**<br>NOR<br>mg, massive, mostly 'fresh' wkly altered NOR, mag sus: k=~1-10. crosscut by few mod magnetic mafic dykes. Lower contact sharp marked by start of strong alteration front.<br>patchy, trace to up to 1% locally, very fine to medium blebby po-ccp+/-pn and local fracture filling po-ccp and po-py | AB19-100619 | ASSAY | TB19194537 | 566.85 | 568.00 | 1.15 | 0.004 | 0.003 | 0.003 | 0.021 | 0.066 | 0.008 |
| | | | AB19-100620 | ASSAY | TB19194537 | 568.00 | 569.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.014 | 0.067 | 0.009 |
| | | | AB19-100621 | ASSAY | TB19194537 | 569.00 | 570.00 | 1.00 | 0.006 | 0.003 | 0.006 | 0.028 | 0.077 | 0.009 |
| | | | AB19-100622 | ASSAY | TB19194537 | 570.00 | 571.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.019 | 0.067 | 0.009 |
| | | | AB19-100623 | ASSAY | TB19194537 | 571.00 | 572.00 | 1.00 | 0.024 | 0.010 | 0.031 | 0.103 | 0.132 | 0.007 |
| | | | AB19-100627 | ASSAY | TB19194532 | 572.00 | 573.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.017 | 0.070 | 0.009 |
| | | | AB19-100628 | ASSAY | TB19194532 | 573.00 | 574.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.020 | 0.072 | 0.009 |
| | | | AB19-100629 | ASSAY | TB19194532 | 574.00 | 575.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.023 | 0.072 | 0.009 |
| | | | AB19-100630 | ASSAY | TB19194532 | 575.00 | 576.00 | 1.00 | 0.011 | 0.006 | 0.010 | 0.044 | 0.096 | 0.009 |
| | | | AB19-100631 | ASSAY | TB19194532 | 576.00 | 576.75 | 0.75 | 0.008 | 0.003 | 0.007 | 0.028 | 0.072 | 0.008 |
| | | | AB19-100632 | ASSAY | TB19194532 | 576.75 | 577.52 | 0.77 | 0.011 | 0.003 | 0.011 | 0.049 | 0.091 | 0.009 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 577.52 | 598.24 | **NOR**<br>Altered NOR (GBNR)<br>strong-intensely chl-act altered NOR. seems to be mostly mg, equigranular NOR but altered. mag sus drops (k=<1), but probably due to alteration to hematite, ilmenite, etc.<br>crosscut by abundant small felsic dykes, some foliated with wavy contacts (possible tonalite blocks?)<br>wk biotite alteration halos around some felsic dykes<br>one local vein filled with po-ccp+/-pn | AB19-100633 | ASSAY | TB19194532 | 577.52 | 578.25 | 0.73 | 0.002 | 0.003 | 0.001 | 0.014 | 0.062 | 0.008 |
| | | | AB19-100634 | ASSAY | TB19194532 | 578.25 | 579.00 | 0.75 | 0.003 | 0.003 | 0.002 | 0.018 | 0.070 | 0.009 |
| | | | AB19-100635 | ASSAY | TB19194532 | 579.00 | 580.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.058 | 0.008 |
| | | | AB19-100636 | ASSAY | TB19194532 | 580.00 | 581.00 | 1.00 | 0.006 | 0.003 | 0.003 | 0.024 | 0.072 | 0.008 |
| | | | AB19-100637 | ASSAY | TB19194532 | 581.00 | 582.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.014 | 0.060 | 0.008 |
| | | | AB19-100638 | ASSAY | TB19194532 | 582.00 | 583.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.007 | 0.049 | 0.007 |
| | | | AB19-100639 | ASSAY | TB19194532 | 583.00 | 584.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.007 | 0.048 | 0.007 |
| | | | AB19-100640 | ASSAY | TB19194532 | 584.00 | 585.00 | 1.00 | 0.009 | 0.003 | 0.003 | 0.012 | 0.058 | 0.007 |
| | | | AB19-100641 | ASSAY | TB19194532 | 585.00 | 586.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.047 | 0.007 |
| | | | AB19-100642 | ASSAY | TB19194532 | 586.00 | 587.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.057 | 0.008 |
| | | | AB19-100643 | ASSAY | TB19194532 | 587.00 | 588.00 | 1.00 | 0.001 | 0.003 | 0.006 | 0.007 | 0.059 | 0.008 |
| | | | AB19-100644 | ASSAY | TB19194532 | 588.00 | 589.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.012 | 0.043 | 0.007 |
| | | | AB19-100646 | ASSAY | TB19194532 | 589.00 | 590.00 | 1.00 | 0.008 | 0.003 | 0.003 | 0.016 | 0.066 | 0.007 |
| | | | AB19-100647 | ASSAY | TB19194532 | 590.00 | 591.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.010 | 0.059 | 0.008 |
| | | | AB19-100648 | ASSAY | TB19194532 | 591.00 | 592.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.009 | 0.062 | 0.008 |
| | | | AB19-100649 | ASSAY | TB19194532 | 592.00 | 593.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.011 | 0.063 | 0.008 |
| | | | AB19-100650 | ASSAY | TB19194532 | 593.00 | 594.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.011 | 0.059 | 0.008 |
| | | | AB19-100651 | ASSAY | TB19194532 | 594.00 | 595.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.012 | 0.055 | 0.008 |
| | | | AB19-100652 | ASSAY | TB19194532 | 595.00 | 596.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.007 | 0.049 | 0.007 |
| | | | AB19-100653 | ASSAY | TB19194532 | 596.00 | 597.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.007 | 0.040 | 0.005 |
| | | | AB19-100654 | ASSAY | TB19194532 | 597.00 | 598.24 | 1.24 | 0.005 | 0.003 | 0.003 | 0.018 | 0.066 | 0.008 |
| 598.24 | 606.40 | **GAB-Vt**<br>Altered GABVT<br>Upper contact gradational with altered NOR.<br>Identified based on appearance of local CG intervals with typical GABVT textures. these CG intervals often with some po-ccp+/-pn blebs.<br>Still strongly-intensely chl-act altered. crosscut by a couple small feslic dykes and one fg mafic dyke.<br>lower contact gradational back into altered norite, based on appearance of short interval of less altered rock showing fresh norite. trace local mineralization: po-ccp+/-pn as fracture filling and blebs. coarser blebs in the cg intervals. | AB19-100655 | ASSAY | TB19194532 | 598.24 | 599.00 | 0.76 | 0.004 | 0.003 | 0.010 | 0.036 | 0.063 | 0.008 |
| | | | AB19-100656 | ASSAY | TB19194532 | 599.00 | 600.00 | 1.00 | 0.007 | 0.003 | 0.003 | 0.013 | 0.064 | 0.008 |
| | | | AB19-100657 | ASSAY | TB19194532 | 600.00 | 601.00 | 1.00 | 0.020 | 0.007 | 0.012 | 0.040 | 0.096 | 0.009 |
| | | | AB19-100658 | ASSAY | TB19194532 | 601.00 | 602.00 | 1.00 | 0.010 | 0.003 | 0.003 | 0.012 | 0.071 | 0.008 |
| | | | AB19-100659 | ASSAY | TB19194532 | 602.00 | 603.00 | 1.00 | 0.007 | 0.003 | 0.014 | 0.047 | 0.041 | 0.006 |
| | | | AB19-100660 | ASSAY | TB19194532 | 603.00 | 604.00 | 1.00 | 0.061 | 0.019 | 0.020 | 0.050 | 0.131 | 0.010 |
| | | | AB19-100661 | ASSAY | TB19194532 | 604.00 | 605.00 | 1.00 | 0.021 | 0.003 | 0.009 | 0.024 | 0.089 | 0.009 |
| | | | AB19-100662 | ASSAY | TB19194532 | 605.00 | 605.75 | 0.75 | 0.014 | 0.005 | 0.012 | 0.039 | 0.087 | 0.009 |
| | | | AB19-100663 | ASSAY | TB19194532 | 605.75 | 606.40 | 0.65 | 0.004 | 0.003 | 0.005 | 0.025 | 0.030 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 606.40 | 616.07 | **NOR**<br>Altered NOR (GBNR)<br>Gradational upper contact based on appearance of weakly altered interval of typical brown norite. mostly strong to intensely altered to chl-act. crosscut locally by felsic dykes with biotite alt halo.<br><br>trace to 0.5% very fine blebs to disseminations of po-ccp+/-pn. | AB19-100664 | ASSAY | TB19194532 | 606.40 | 607.00 | 0.60 | 0.039 | 0.020 | 0.044 | 0.144 | 0.147 | 0.010 |
| | | | AB19-100666 | ASSAY | TB19194532 | 607.00 | 608.00 | 1.00 | 0.005 | 0.003 | 0.006 | 0.024 | 0.056 | 0.008 |
| | | | AB19-100667 | ASSAY | TB19194532 | 608.00 | 609.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.011 | 0.061 | 0.008 |
| | | | AB19-100668 | ASSAY | TB19194532 | 609.00 | 610.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.017 | 0.061 | 0.009 |
| | | | AB19-100669 | ASSAY | TB19194532 | 610.00 | 611.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.012 | 0.056 | 0.008 |
| | | | AB19-100670 | ASSAY | TB19194532 | 611.00 | 612.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.015 | 0.058 | 0.008 |
| | | | AB19-100671 | ASSAY | TB19194532 | 612.00 | 613.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.015 | 0.060 | 0.008 |
| | | | AB19-100672 | ASSAY | TB19194532 | 613.00 | 614.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.016 | 0.062 | 0.008 |
| | | | AB19-100673 | ASSAY | TB19194532 | 614.00 | 615.00 | 1.00 | 0.014 | 0.008 | 0.016 | 0.072 | 0.121 | 0.006 |
| | | | AB19-100674 | ASSAY | TB19194532 | 615.00 | 616.07 | 1.07 | 0.035 | 0.015 | 0.034 | 0.108 | 0.170 | 0.010 |
| 616.07 | 621.88 | **GAB-Vt**<br>Altered GABVT<br>strong-int chl-act alt, remnant VT textures. fg-cg, crosscut by felsic dyke. sharp lower contact with fg phase of GABVT, and switch from intense alteration to moderate.<br>trace to up to 2% blebby po-ccp+/-pn | AB19-100675 | ASSAY | TB19194532 | 616.07 | 617.00 | 0.93 | 0.030 | 0.010 | 0.016 | 0.039 | 0.109 | 0.010 |
| | | | AB19-100676 | ASSAY | TB19194532 | 617.00 | 618.00 | 1.00 | 0.011 | 0.005 | 0.006 | 0.019 | 0.077 | 0.008 |
| | | | AB19-100677 | ASSAY | TB19194532 | 618.00 | 619.00 | 1.00 | 0.019 | 0.007 | 0.017 | 0.048 | 0.111 | 0.009 |
| | | | AB19-100678 | ASSAY | TB19194532 | 619.00 | 620.00 | 1.00 | 0.017 | 0.007 | 0.012 | 0.040 | 0.084 | 0.008 |
| | | | AB19-100679 | ASSAY | TB19194532 | 620.00 | 621.00 | 1.00 | 0.054 | 0.020 | 0.036 | 0.100 | 0.168 | 0.009 |
| | | | AB19-100680 | ASSAY | TB19194532 | 621.00 | 621.88 | 0.88 | 0.002 | 0.003 | 0.001 | 0.005 | 0.038 | 0.005 |
| 621.88 | 629.06 | **GAB-Vt**<br>GABVT<br>fg-cg, moderate chl-act alteration (strong-intense towards end of interval). crosscut by biotite altered felsic dykes with biotite alteration halo. massive, but becomes foliated towards lower contact, and is crosscut by felsic-intermediate biotite-altered dyke. local trace blebs and fracture filling of po-ccp. local disseminated and blebby replacement py. | AB19-100681 | ASSAY | TB19194532 | 621.88 | 623.00 | 1.12 | 0.001 | 0.003 | 0.001 | 0.009 | 0.014 | 0.004 |
| | | | AB19-100682 | ASSAY | TB19194532 | 623.00 | 624.00 | 1.00 | 0.008 | 0.003 | 0.008 | 0.030 | 0.055 | 0.006 |
| | | | AB19-100683 | ASSAY | TB19194532 | 624.00 | 625.00 | 1.00 | 0.017 | 0.007 | 0.014 | 0.048 | 0.081 | 0.007 |
| | | | AB19-100684 | ASSAY | TB19194532 | 625.00 | 626.00 | 1.00 | 0.013 | 0.006 | 0.015 | 0.044 | 0.060 | 0.006 |
| | | | AB19-100686 | ASSAY | TB19194532 | 626.00 | 627.00 | 1.00 | 0.025 | 0.006 | 0.010 | 0.029 | 0.088 | 0.008 |
| | | | AB19-100687 | ASSAY | TB19194532 | 627.00 | 628.00 | 1.00 | 0.006 | 0.003 | 0.003 | 0.013 | 0.066 | 0.008 |
| | | | AB19-100688 | ASSAY | TB19194532 | 628.00 | 629.06 | 1.06 | 0.010 | 0.003 | 0.003 | 0.021 | 0.037 | 0.004 |

| From | To | Lithology |
|---|---|---|
| 629.06 | 701.25 | **NOR-Vt** |

NOR VT
Massive (to locally foliated), weak ('fresh') to strong chl-act alt. fg-cg but mostly mg. cross cut by intermediate dyke at top. crosscut by local felsic dykes with biotite alt and foliated margins.

local trace to up to 0.5% po-ccp as blebs, local net-texture and fracture filling. local po-py as blebs and fracture filling. local 0.5% po-ccp+/-pn as blebs and local net texture. most min in the fresh NOR ,or, in the coarser grained VT bands towards end of interval.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100689 | ASSAY | TB19194532 | 629.06 | 630.00 | 0.94 | 0.004 | 0.003 | 0.008 | 0.018 | 0.045 | 0.007 |
| AB19-100690 | ASSAY | TB19194532 | 630.00 | 631.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.018 | 0.053 | 0.008 |
| AB19-100691 | ASSAY | TB19194532 | 631.00 | 632.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.013 | 0.045 | 0.007 |
| AB19-100692 | ASSAY | TB19194532 | 632.00 | 633.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.013 | 0.058 | 0.008 |
| AB19-100693 | ASSAY | TB19194532 | 633.00 | 634.00 | 1.00 | 0.007 | 0.003 | 0.002 | 0.011 | 0.024 | 0.005 |
| AB19-100694 | ASSAY | TB19194532 | 634.00 | 635.00 | 1.00 | 0.004 | 0.003 | 0.005 | 0.027 | 0.059 | 0.008 |
| AB19-100695 | ASSAY | TB19194532 | 635.00 | 636.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.059 | 0.009 |
| AB19-100696 | ASSAY | TB19194532 | 636.00 | 637.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.013 | 0.056 | 0.008 |
| AB19-100697 | ASSAY | TB19194532 | 637.00 | 638.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.060 | 0.009 |
| AB19-100698 | ASSAY | TB19194532 | 638.00 | 639.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.060 | 0.009 |
| AB19-100699 | ASSAY | TB19194532 | 639.00 | 640.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.012 | 0.047 | 0.008 |
| AB19-100700 | ASSAY | TB19194532 | 640.00 | 641.00 | 1.00 | 0.013 | 0.007 | 0.022 | 0.080 | 0.097 | 0.012 |
| AB19-100701 | ASSAY | TB19194532 | 641.00 | 642.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.062 | 0.008 |
| AB19-100705 | ASSAY | TB19194533 | 642.00 | 643.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.006 | 0.052 | 0.008 |
| AB19-100706 | ASSAY | TB19194533 | 643.00 | 644.00 | 1.00 | 0.034 | 0.011 | 0.001 | 0.013 | 0.104 | 0.010 |
| AB19-100707 | ASSAY | TB19194533 | 644.00 | 645.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.057 | 0.009 |
| AB19-100708 | ASSAY | TB19194533 | 645.00 | 646.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.053 | 0.008 |
| AB19-100709 | ASSAY | TB19194533 | 646.00 | 647.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.013 | 0.047 | 0.007 |
| AB19-100710 | ASSAY | TB19194533 | 647.00 | 648.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.014 | 0.055 | 0.008 |
| AB19-100711 | ASSAY | TB19194533 | 648.00 | 649.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.051 | 0.008 |
| AB19-100712 | ASSAY | TB19194533 | 649.00 | 650.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.054 | 0.008 |
| AB19-100713 | ASSAY | TB19194533 | 650.00 | 651.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.054 | 0.008 |
| AB19-100714 | ASSAY | TB19194533 | 651.00 | 652.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.049 | 0.008 |
| AB19-100715 | ASSAY | TB19194533 | 652.00 | 653.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.053 | 0.008 |
| AB19-100716 | ASSAY | TB19194533 | 653.00 | 654.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.012 | 0.053 | 0.008 |
| AB19-100717 | ASSAY | TB19194533 | 654.00 | 655.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.027 | 0.042 | 0.006 |
| AB19-100718 | ASSAY | TB19194533 | 655.00 | 656.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.020 | 0.035 | 0.005 |
| AB19-100719 | ASSAY | TB19194533 | 656.00 | 657.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.019 | 0.052 | 0.007 |
| AB19-100720 | ASSAY | TB19194533 | 657.00 | 658.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.051 | 0.008 |
| AB19-100721 | ASSAY | TB19194533 | 658.00 | 659.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.012 | 0.045 | 0.007 |
| AB19-100722 | ASSAY | TB19194533 | 659.00 | 660.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.031 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100724 | ASSAY | TB19194533 | 660.00 | 661.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.008 | 0.048 | 0.007 |
| | | | AB19-100725 | ASSAY | TB19194533 | 661.00 | 662.00 | 1.00 | 0.006 | 0.003 | 0.003 | 0.021 | 0.060 | 0.008 |
| | | | AB19-100726 | ASSAY | TB19194533 | 662.00 | 663.00 | 1.00 | 0.006 | 0.003 | 0.003 | 0.024 | 0.066 | 0.009 |
| | | | AB19-100727 | ASSAY | TB19194533 | 663.00 | 664.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.051 | 0.008 |
| | | | AB19-100728 | ASSAY | TB19194533 | 664.00 | 665.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.052 | 0.008 |
| | | | AB19-100729 | ASSAY | TB19194533 | 665.00 | 666.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.056 | 0.009 |
| | | | AB19-100730 | ASSAY | TB19194533 | 666.00 | 667.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.055 | 0.008 |
| | | | AB19-100731 | ASSAY | TB19194533 | 667.00 | 668.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.053 | 0.008 |
| | | | AB19-100732 | ASSAY | TB19194533 | 668.00 | 669.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.054 | 0.008 |
| | | | AB19-100733 | ASSAY | TB19194533 | 669.00 | 670.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.054 | 0.008 |
| | | | AB19-100734 | ASSAY | TB19194533 | 670.00 | 671.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.039 | 0.007 |
| | | | AB19-100735 | ASSAY | TB19194533 | 671.00 | 672.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.050 | 0.008 |
| | | | AB19-100736 | ASSAY | TB19194533 | 672.00 | 673.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.052 | 0.008 |
| | | | AB19-100737 | ASSAY | TB19194533 | 673.00 | 674.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.049 | 0.008 |
| | | | AB19-100738 | ASSAY | TB19194533 | 674.00 | 675.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.053 | 0.008 |
| | | | AB19-100739 | ASSAY | TB19194533 | 675.00 | 676.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.050 | 0.008 |
| | | | AB19-100740 | ASSAY | TB19194533 | 676.00 | 677.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.054 | 0.008 |
| | | | AB19-100741 | ASSAY | TB19194533 | 677.00 | 678.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.053 | 0.008 |
| | | | AB19-100742 | ASSAY | TB19194533 | 678.00 | 679.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.057 | 0.009 |
| | | | AB19-100744 | ASSAY | TB19194533 | 679.00 | 680.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.053 | 0.008 |
| | | | AB19-100745 | ASSAY | TB19194533 | 680.00 | 681.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.056 | 0.008 |
| | | | AB19-100746 | ASSAY | TB19194533 | 681.00 | 682.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.022 | 0.050 | 0.008 |
| | | | AB19-100747 | ASSAY | TB19194533 | 682.00 | 683.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.059 | 0.009 |
| | | | AB19-100748 | ASSAY | TB19194533 | 683.00 | 684.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.059 | 0.009 |
| | | | AB19-100749 | ASSAY | TB19194533 | 684.00 | 685.00 | 1.00 | 0.005 | 0.003 | 0.006 | 0.039 | 0.065 | 0.008 |
| | | | AB19-100750 | ASSAY | TB19194533 | 685.00 | 686.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.015 | 0.054 | 0.009 |
| | | | AB19-100751 | ASSAY | TB19194533 | 686.00 | 687.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.039 | 0.055 | 0.008 |
| | | | AB19-100752 | ASSAY | TB19194533 | 687.00 | 688.00 | 1.00 | 0.008 | 0.003 | 0.007 | 0.052 | 0.071 | 0.008 |
| | | | AB19-100753 | ASSAY | TB19194533 | 688.00 | 689.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.022 | 0.058 | 0.009 |
| | | | AB19-100754 | ASSAY | TB19194533 | 689.00 | 690.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.058 | 0.010 |
| | | | AB19-100755 | ASSAY | TB19194533 | 690.00 | 691.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.056 | 0.009 |
| | | | AB19-100756 | ASSAY | TB19194533 | 691.00 | 692.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.062 | 0.009 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100757 | ASSAY | TB19194533 | 692.00 | 693.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.059 | 0.009 |
| | | | AB19-100758 | ASSAY | TB19194533 | 693.00 | 694.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.057 | 0.009 |
| | | | AB19-100759 | ASSAY | TB19194533 | 694.00 | 695.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.009 | 0.067 | 0.009 |
| | | | AB19-100760 | ASSAY | TB19194533 | 695.00 | 696.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.061 | 0.009 |
| | | | AB19-100761 | ASSAY | TB19194533 | 696.00 | 697.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.057 | 0.009 |
| | | | AB19-100762 | ASSAY | TB19194533 | 697.00 | 698.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.015 | 0.056 | 0.009 |
| | | | AB19-100764 | ASSAY | TB19194533 | 698.00 | 699.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.015 | 0.063 | 0.009 |
| | | | AB19-100765 | ASSAY | TB19194533 | 699.00 | 700.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.058 | 0.009 |
| | | | AB19-100766 | ASSAY | TB19194533 | 700.00 | 701.25 | 1.25 | 0.004 | 0.003 | 0.001 | 0.015 | 0.067 | 0.009 |
| 701.25 | 703.46 | **DIKE-Mafic** | AB19-100767 | ASSAY | TB19194533 | 701.25 | 702.50 | 1.25 | 0.002 | 0.003 | 0.001 | 0.001 | 0.031 | 0.004 |
| | | | AB19-100768 | ASSAY | TB19194533 | 702.50 | 703.46 | 0.96 | 0.002 | 0.003 | 0.002 | 0.015 | 0.025 | 0.006 |

Mafic dyke
strongly brecciated with epidote-quartz-carb matrix (hydrothermal), + epidote-chl pervasive Altered to 703m, then becomes just weakly chl altered. weakly porphyritic (feldspar)
0.5% disseminated and fracture filling pyrite.

| From | To | Lithology |
|---|---|---|
| 703.46 | 727.75 | **NOR-Vt** |

NOR VT
mostly 'fresh' mg NOR, brown with bronzite, but locally variable in grain size and alteration to moderate to strong chl-act. 10-20% feldspar. 714.5-722m 0.5-2% po-ccp+/-pn blebby, intercumulus and local fracture fill in fresh mg NOR and intercumulus in some cg VT NOR bands. some trace min above this inteval.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100769 | ASSAY | TB19194533 | 703.46 | 704.25 | 0.79 | 0.004 | 0.003 | 0.001 | 0.010 | 0.069 | 0.010 |
| AB19-100770 | ASSAY | TB19194533 | 704.25 | 705.00 | 0.75 | 0.001 | 0.003 | 0.001 | 0.007 | 0.058 | 0.009 |
| AB19-100771 | ASSAY | TB19194533 | 705.00 | 706.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.057 | 0.009 |
| AB19-100772 | ASSAY | TB19194533 | 706.00 | 707.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.059 | 0.008 |
| AB19-100773 | ASSAY | TB19194533 | 707.00 | 708.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.061 | 0.009 |
| AB19-100774 | ASSAY | TB19194533 | 708.00 | 709.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.054 | 0.008 |
| AB19-100775 | ASSAY | TB19194533 | 709.00 | 710.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.056 | 0.008 |
| AB19-100776 | ASSAY | TB19194533 | 710.00 | 711.00 | 1.00 | 0.011 | 0.003 | 0.004 | 0.020 | 0.064 | 0.009 |
| AB19-100777 | ASSAY | TB19194533 | 711.00 | 712.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.061 | 0.009 |
| AB19-100778 | ASSAY | TB19194533 | 712.00 | 713.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.060 | 0.010 |
| AB19-100779 | ASSAY | TB19194533 | 713.00 | 714.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.058 | 0.009 |
| AB19-100783 | ASSAY | TB19194559 | 714.00 | 715.00 | 1.00 | 0.005 | 0.003 | 0.009 | 0.041 | 0.081 | 0.010 |
| AB19-100784 | ASSAY | TB19194559 | 715.00 | 716.00 | 1.00 | 0.004 | 0.003 | 0.007 | 0.038 | 0.069 | 0.007 |
| AB19-100785 | ASSAY | TB19194559 | 716.00 | 717.00 | 1.00 | 0.016 | 0.007 | 0.018 | 0.083 | 0.164 | 0.009 |
| AB19-100786 | ASSAY | TB19194559 | 717.00 | 718.00 | 1.00 | 0.007 | 0.003 | 0.014 | 0.053 | 0.060 | 0.007 |
| AB19-100787 | ASSAY | TB19194559 | 718.00 | 719.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.020 | 0.062 | 0.007 |
| AB19-100788 | ASSAY | TB19194559 | 719.00 | 720.00 | 1.00 | 0.009 | 0.003 | 0.014 | 0.069 | 0.096 | 0.009 |
| AB19-100789 | ASSAY | TB19194559 | 720.00 | 721.00 | 1.00 | 0.013 | 0.009 | 0.020 | 0.096 | 0.122 | 0.011 |
| AB19-100790 | ASSAY | TB19194559 | 721.00 | 722.00 | 1.00 | 0.009 | 0.003 | 0.012 | 0.070 | 0.093 | 0.010 |
| AB19-100791 | ASSAY | TB19194559 | 722.00 | 723.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.016 | 0.048 | 0.007 |
| AB19-100792 | ASSAY | TB19194559 | 723.00 | 724.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.032 | 0.052 | 0.007 |
| AB19-100793 | ASSAY | TB19194559 | 724.00 | 725.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.025 | 0.057 | 0.008 |
| AB19-100794 | ASSAY | TB19194559 | 725.00 | 726.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.017 | 0.052 | 0.007 |
| AB19-100795 | ASSAY | TB19194559 | 726.00 | 727.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.031 | 0.064 | 0.007 |
| AB19-100796 | ASSAY | TB19194559 | 727.00 | 727.75 | 0.75 | 0.001 | 0.003 | 0.001 | 0.011 | 0.047 | 0.007 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 727.75 | 734.55 | **GAB-Vt**<br>GABVT<br>mod-str chl-act alteration. fg-cg. 20-45% feldspar. upper contact marked by the drastic increase in feldspar and the dissappearance of any distinct brown norite with bronzite.<br><br>2% cg disseminated pyrite in clusters and blebby py, and also replacing pyrrhotite. Additional 0.5% po-ccp+/-py blebs and fracture filling. | AB19-100797 | ASSAY | TB19194559 | 727.75 | 729.00 | 1.25 | 0.003 | 0.003 | 0.005 | 0.031 | 0.065 | 0.007 |
| | | | AB19-100798 | ASSAY | TB19194559 | 729.00 | 730.00 | 1.00 | 0.004 | 0.003 | 0.004 | 0.025 | 0.065 | 0.009 |
| | | | AB19-100799 | ASSAY | TB19194559 | 730.00 | 731.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.018 | 0.071 | 0.010 |
| | | | AB19-100800 | ASSAY | TB19194559 | 731.00 | 732.00 | 1.00 | 0.007 | 0.003 | 0.010 | 0.082 | 0.086 | 0.009 |
| | | | AB19-100802 | ASSAY | TB19194559 | 732.00 | 733.00 | 1.00 | 0.012 | 0.003 | 0.011 | 0.067 | 0.083 | 0.008 |
| | | | AB19-100803 | ASSAY | TB19194559 | 733.00 | 733.75 | 0.75 | 0.004 | 0.003 | 0.006 | 0.035 | 0.066 | 0.006 |
| | | | AB19-100804 | ASSAY | TB19194559 | 733.75 | 734.55 | 0.80 | 0.005 | 0.003 | 0.006 | 0.043 | 0.072 | 0.006 |
| 734.55 | 735.63 | **DIKE-Mafic**<br>Mafic dyke<br>mod-strong magnetic, ~2% vfg diss magnetite. sharp contacts, wk chl alt, 2% fracture controlled pyrite. | AB19-100805 | ASSAY | TB19194559 | 734.55 | 735.63 | 1.08 | 0.001 | 0.003 | 0.007 | 0.047 | 0.014 | 0.007 |

| From | To | Lithology |
|---|---|---|
| 735.63 | 779.06 | **GAB-Vt** |

GABVT
Mod chl-act alt, mostly mg, local variation to fg and cg, weakly varitextured overall.
20-35% feldspar, crosscut by distinct intermediate dyke 738.16-738.92m containing heterolithic fragments/xenoliths (good marker unit?). Crosscut by fg mafic dykes and occasional felsic dykes.
.contains local intervals of norite. quick transition to lower norite, but contact diffuse, becomes weakly foliated towards lower contac.t
1% diss py and trace po-ccp blebs for first 5m of unit. below, trace local diss and fracture controlled pyrite, particularly in mafic dykes. local magnetite blebs.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100806 | ASSAY | TB19194559 | 735.63 | 736.75 | 1.12 | 0.009 | 0.003 | 0.010 | 0.078 | 0.128 | 0.008 |
| AB19-100807 | ASSAY | TB19194559 | 736.75 | 738.00 | 1.25 | 0.007 | 0.003 | 0.007 | 0.056 | 0.109 | 0.008 |
| AB19-100808 | ASSAY | TB19194559 | 738.00 | 739.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.029 | 0.021 | 0.004 |
| AB19-100809 | ASSAY | TB19194559 | 739.00 | 740.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.014 | 0.051 | 0.005 |
| AB19-100810 | ASSAY | TB19194559 | 740.00 | 741.00 | 1.00 | 0.014 | 0.006 | 0.017 | 0.150 | 0.208 | 0.009 |
| AB19-100811 | ASSAY | TB19194559 | 741.00 | 742.00 | 1.00 | 0.003 | 0.003 | 0.005 | 0.026 | 0.033 | 0.005 |
| AB19-100812 | ASSAY | TB19194559 | 742.00 | 743.00 | 1.00 | 0.015 | 0.003 | 0.002 | 0.015 | 0.029 | 0.006 |
| AB19-100813 | ASSAY | TB19194559 | 743.00 | 744.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.014 | 0.046 | 0.006 |
| AB19-100814 | ASSAY | TB19194559 | 744.00 | 745.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.040 | 0.006 |
| AB19-100815 | ASSAY | TB19194559 | 745.00 | 746.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.041 | 0.005 |
| AB19-100816 | ASSAY | TB19194559 | 746.00 | 747.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.004 | 0.046 | 0.005 |
| AB19-100817 | ASSAY | TB19194559 | 747.00 | 748.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.010 | 0.039 | 0.005 |
| AB19-100818 | ASSAY | TB19194559 | 748.00 | 749.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.008 | 0.033 | 0.005 |
| AB19-100819 | ASSAY | TB19194559 | 749.00 | 750.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.035 | 0.006 |
| AB19-100820 | ASSAY | TB19194559 | 750.00 | 751.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.013 | 0.035 | 0.006 |
| AB19-100822 | ASSAY | TB19194559 | 751.00 | 752.00 | 1.00 | 0.001 | 0.003 | 0.004 | 0.017 | 0.034 | 0.006 |
| AB19-100823 | ASSAY | TB19194559 | 752.00 | 753.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.019 | 0.043 | 0.006 |
| AB19-100824 | ASSAY | TB19194559 | 753.00 | 754.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.030 | 0.055 | 0.006 |
| AB19-100825 | ASSAY | TB19194559 | 754.00 | 755.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.011 | 0.022 | 0.005 |
| AB19-100826 | ASSAY | TB19194559 | 755.00 | 756.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.010 | 0.034 | 0.006 |
| AB19-100827 | ASSAY | TB19194559 | 756.00 | 757.00 | 1.00 | 0.004 | 0.003 | 0.003 | 0.019 | 0.045 | 0.006 |
| AB19-100828 | ASSAY | TB19194559 | 757.00 | 758.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.040 | 0.006 |
| AB19-100829 | ASSAY | TB19194559 | 758.00 | 759.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.034 | 0.005 |
| AB19-100830 | ASSAY | TB19194559 | 759.00 | 760.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.010 | 0.033 | 0.005 |
| AB19-100831 | ASSAY | TB19194559 | 760.00 | 761.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.009 | 0.034 | 0.006 |
| AB19-100832 | ASSAY | TB19194559 | 761.00 | 762.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.027 | 0.006 |
| AB19-100833 | ASSAY | TB19194559 | 762.00 | 763.00 | 1.00 | 0.003 | 0.005 | 0.001 | 0.010 | 0.036 | 0.006 |
| AB19-100834 | ASSAY | TB19194559 | 763.00 | 764.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.006 |
| AB19-100835 | ASSAY | TB19194559 | 764.00 | 765.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.014 | 0.027 | 0.006 |
| AB19-100836 | ASSAY | TB19194559 | 765.00 | 766.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.021 | 0.005 |
| AB19-100837 | ASSAY | TB19194559 | 766.00 | 767.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.036 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100838 | ASSAY | TB19194559 | 767.00 | 768.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.006 | 0.033 | 0.006 |
| | | | AB19-100839 | ASSAY | TB19194559 | 768.00 | 769.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.018 | 0.034 | 0.006 |
| | | | AB19-100840 | ASSAY | TB19194559 | 769.00 | 770.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.034 | 0.006 |
| | | | AB19-100842 | ASSAY | TB19194559 | 770.00 | 771.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.011 | 0.041 | 0.006 |
| | | | AB19-100843 | ASSAY | TB19194559 | 771.00 | 772.00 | 1.00 | 0.003 | 0.003 | 0.002 | 0.011 | 0.039 | 0.006 |
| | | | AB19-100844 | ASSAY | TB19194559 | 772.00 | 773.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.019 | 0.035 | 0.005 |
| | | | AB19-100845 | ASSAY | TB19194559 | 773.00 | 774.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.010 | 0.033 | 0.005 |
| | | | AB19-100846 | ASSAY | TB19194559 | 774.00 | 775.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.023 | 0.005 |
| | | | AB19-100847 | ASSAY | TB19194559 | 775.00 | 776.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.008 | 0.024 | 0.004 |
| | | | AB19-100848 | ASSAY | TB19194559 | 776.00 | 777.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.008 | 0.032 | 0.006 |
| | | | AB19-100849 | ASSAY | TB19194559 | 777.00 | 778.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.037 | 0.006 |
| | | | AB19-100850 | ASSAY | TB19194559 | 778.00 | 779.06 | 1.06 | 0.002 | 0.003 | 0.001 | 0.008 | 0.036 | 0.006 |

| From | To | Lithology |
|---|---|---|
| 779.06 | 892.04 | **NOR** |

NOR
mg, mostly 'fresh' wkly altered norite, with bronzite crystals. 15-30% brownish feldspar. massive to locally weakly foliated. local mod chl-act altered intervals. Rare short intervals of VT NOR.
No sulphides present except trace local po-ccp blebs at 878m. In 'fresh' portions mag is higher (2-7kappa) than altered portions (<1 kappa). Local bx section from 807.5-807.7m.
Local cross-cutting mafic dikes, locally magnetic. gradational lower contact.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100851 | ASSAY | TB19194559 | 779.06 | 780.00 | 0.94 | 0.002 | 0.003 | 0.001 | 0.008 | 0.032 | 0.005 |
| AB19-100852 | ASSAY | TB19194559 | 780.00 | 781.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.036 | 0.006 |
| AB19-100853 | ASSAY | TB19194559 | 781.00 | 782.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.008 | 0.033 | 0.006 |
| AB19-100854 | ASSAY | TB19194559 | 782.00 | 783.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.008 | 0.032 | 0.005 |
| AB19-100855 | ASSAY | TB19194559 | 783.00 | 784.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.007 | 0.033 | 0.005 |
| AB19-100856 | ASSAY | TB19194559 | 784.00 | 785.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.009 | 0.037 | 0.006 |
| AB19-100857 | ASSAY | TB19194559 | 785.00 | 786.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.007 | 0.033 | 0.006 |
| AB19-100861 | ASSAY | TB19194573 | 786.00 | 787.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.039 | 0.006 |
| AB19-100862 | ASSAY | TB19194573 | 787.00 | 788.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.026 | 0.005 |
| AB19-100863 | ASSAY | TB19194573 | 788.00 | 789.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.030 | 0.005 |
| AB19-100864 | ASSAY | TB19194573 | 789.00 | 790.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.029 | 0.005 |
| AB19-100865 | ASSAY | TB19194573 | 790.00 | 791.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.031 | 0.005 |
| AB19-100866 | ASSAY | TB19194573 | 791.00 | 792.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.030 | 0.005 |
| AB19-100867 | ASSAY | TB19194573 | 792.00 | 793.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.006 |
| AB19-100868 | ASSAY | TB19194573 | 793.00 | 794.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.031 | 0.005 |
| AB19-100869 | ASSAY | TB19194573 | 794.00 | 795.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.031 | 0.005 |
| AB19-100870 | ASSAY | TB19194573 | 795.00 | 796.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.031 | 0.005 |
| AB19-100871 | ASSAY | TB19194573 | 796.00 | 797.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.031 | 0.005 |
| AB19-100872 | ASSAY | TB19194573 | 797.00 | 798.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.031 | 0.006 |
| AB19-100873 | ASSAY | TB19194573 | 798.00 | 799.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| AB19-100874 | ASSAY | TB19194573 | 799.00 | 800.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| AB19-100875 | ASSAY | TB19194573 | 800.00 | 801.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.034 | 0.006 |
| AB19-100876 | ASSAY | TB19194573 | 801.00 | 802.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.028 | 0.005 |
| AB19-100877 | ASSAY | TB19194573 | 802.00 | 803.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.031 | 0.005 |
| AB19-100878 | ASSAY | TB19194573 | 803.00 | 804.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.005 |
| AB19-100880 | ASSAY | TB19194573 | 804.00 | 805.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.007 | 0.029 | 0.005 |
| AB19-100881 | ASSAY | TB19194573 | 805.00 | 806.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.028 | 0.005 |
| AB19-100882 | ASSAY | TB19194573 | 806.00 | 807.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.030 | 0.005 |
| AB19-100883 | ASSAY | TB19194573 | 807.00 | 808.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.013 | 0.039 | 0.006 |
| AB19-100884 | ASSAY | TB19194573 | 808.00 | 809.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.011 | 0.037 | 0.006 |
| AB19-100885 | ASSAY | TB19194573 | 809.00 | 810.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100886 | ASSAY | TB19194573 | 810.00 | 811.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.005 |
| | | | AB19-100887 | ASSAY | TB19194573 | 811.00 | 812.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.029 | 0.005 |
| | | | AB19-100888 | ASSAY | TB19194573 | 812.00 | 813.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| | | | AB19-100889 | ASSAY | TB19194573 | 813.00 | 814.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.032 | 0.005 |
| | | | AB19-100890 | ASSAY | TB19194573 | 814.00 | 815.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.031 | 0.005 |
| | | | AB19-100891 | ASSAY | TB19194573 | 815.00 | 816.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.028 | 0.005 |
| | | | AB19-100892 | ASSAY | TB19194573 | 816.00 | 817.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.028 | 0.005 |
| | | | AB19-100893 | ASSAY | TB19194573 | 817.00 | 818.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.028 | 0.005 |
| | | | AB19-100894 | ASSAY | TB19194573 | 818.00 | 819.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.030 | 0.005 |
| | | | AB19-100895 | ASSAY | TB19194573 | 819.00 | 820.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.034 | 0.005 |
| | | | AB19-100896 | ASSAY | TB19194573 | 820.00 | 821.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.030 | 0.005 |
| | | | AB19-100897 | ASSAY | TB19194573 | 821.00 | 822.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.005 |
| | | | AB19-100898 | ASSAY | TB19194573 | 822.00 | 823.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| | | | AB19-100900 | ASSAY | TB19194573 | 823.00 | 824.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.029 | 0.005 |
| | | | AB19-100901 | ASSAY | TB19194573 | 824.00 | 825.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.006 |
| | | | AB19-100902 | ASSAY | TB19194573 | 825.00 | 826.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.029 | 0.005 |
| | | | AB19-100903 | ASSAY | TB19194573 | 826.00 | 827.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.005 |
| | | | AB19-100904 | ASSAY | TB19194573 | 827.00 | 828.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.030 | 0.005 |
| | | | AB19-100905 | ASSAY | TB19194573 | 828.00 | 829.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.030 | 0.005 |
| | | | AB19-100906 | ASSAY | TB19194573 | 829.00 | 830.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.030 | 0.005 |
| | | | AB19-100907 | ASSAY | TB19194573 | 830.00 | 831.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.032 | 0.005 |
| | | | AB19-100908 | ASSAY | TB19194573 | 831.00 | 832.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.028 | 0.005 |
| | | | AB19-100909 | ASSAY | TB19194573 | 832.00 | 833.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.031 | 0.005 |
| | | | AB19-100910 | ASSAY | TB19194573 | 833.00 | 834.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.028 | 0.005 |
| | | | AB19-100911 | ASSAY | TB19194573 | 834.00 | 835.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.027 | 0.005 |
| | | | AB19-100912 | ASSAY | TB19194573 | 835.00 | 836.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.026 | 0.004 |
| | | | AB19-100913 | ASSAY | TB19194573 | 836.00 | 837.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.033 | 0.005 |
| | | | AB19-100914 | ASSAY | TB19194573 | 837.00 | 838.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.031 | 0.005 |
| | | | AB19-100915 | ASSAY | TB19194573 | 838.00 | 839.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.032 | 0.006 |
| | | | AB19-100916 | ASSAY | TB19194573 | 839.00 | 840.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.031 | 0.005 |
| | | | AB19-100917 | ASSAY | TB19194573 | 840.00 | 841.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.030 | 0.005 |
| | | | AB19-100918 | ASSAY | TB19194573 | 841.00 | 842.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.031 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-100920 | ASSAY | TB19194573 | 842.00 | 843.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.031 | 0.005 |
| | | | AB19-100921 | ASSAY | TB19194573 | 843.00 | 844.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.031 | 0.005 |
| | | | AB19-100922 | ASSAY | TB19194573 | 844.00 | 845.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.032 | 0.005 |
| | | | AB19-100923 | ASSAY | TB19194573 | 845.00 | 846.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.034 | 0.005 |
| | | | AB19-100924 | ASSAY | TB19194573 | 846.00 | 847.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.025 | 0.004 |
| | | | AB19-100925 | ASSAY | TB19194573 | 847.00 | 848.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.024 | 0.006 |
| | | | AB19-100926 | ASSAY | TB19194573 | 848.00 | 849.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.015 | 0.038 | 0.006 |
| | | | AB19-100927 | ASSAY | TB19194573 | 849.00 | 850.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.031 | 0.005 |
| | | | AB19-100928 | ASSAY | TB19194573 | 850.00 | 851.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.029 | 0.005 |
| | | | AB19-100929 | ASSAY | TB19194573 | 851.00 | 852.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.005 |
| | | | AB19-100930 | ASSAY | TB19194573 | 852.00 | 853.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| | | | AB19-100931 | ASSAY | TB19194573 | 853.00 | 854.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.031 | 0.005 |
| | | | AB19-100932 | ASSAY | TB19194573 | 854.00 | 855.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.031 | 0.005 |
| | | | AB19-100933 | ASSAY | TB19194573 | 855.00 | 856.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.031 | 0.005 |
| | | | AB19-100934 | ASSAY | TB19194573 | 856.00 | 857.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.033 | 0.006 |
| | | | AB19-100935 | ASSAY | TB19194573 | 857.00 | 858.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.030 | 0.005 |
| | | | AB19-100939 | ASSAY | TB19203133 | 858.00 | 859.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.008 | 0.030 | 0.006 |
| | | | AB19-100940 | ASSAY | TB19203133 | 859.00 | 860.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.030 | 0.005 |
| | | | AB19-100941 | ASSAY | TB19203133 | 860.00 | 861.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.032 | 0.005 |
| | | | AB19-100942 | ASSAY | TB19203133 | 861.00 | 862.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.029 | 0.005 |
| | | | AB19-100943 | ASSAY | TB19203133 | 862.00 | 863.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.028 | 0.005 |
| | | | AB19-100944 | ASSAY | TB19203133 | 863.00 | 864.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.009 | 0.032 | 0.005 |
| | | | AB19-100945 | ASSAY | TB19203133 | 864.00 | 865.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.028 | 0.005 |
| | | | AB19-100946 | ASSAY | TB19203133 | 865.00 | 866.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.034 | 0.006 |
| | | | AB19-100947 | ASSAY | TB19203133 | 866.00 | 867.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.006 |
| | | | AB19-100948 | ASSAY | TB19203133 | 867.00 | 868.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.005 |
| | | | AB19-100949 | ASSAY | TB19203133 | 868.00 | 869.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.030 | 0.006 |
| | | | AB19-100950 | ASSAY | TB19203133 | 869.00 | 870.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.029 | 0.006 |
| | | | AB19-100999 | ASSAY | TB19203133 | 870.00 | 871.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.033 | 0.006 |
| | | | AB19-101000 | ASSAY | TB19203133 | 871.00 | 872.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.030 | 0.005 |
| | | | AB19-101001 | ASSAY | TB19203133 | 872.00 | 873.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.005 | 0.027 | 0.005 |
| | | | AB19-101002 | ASSAY | TB19203133 | 873.00 | 874.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.032 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-101003 | ASSAY | TB19203133 | 874.00 | 875.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.028 | 0.005 |
| | | | AB19-101004 | ASSAY | TB19203133 | 875.00 | 876.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| | | | AB19-101005 | ASSAY | TB19203133 | 876.00 | 877.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.013 | 0.024 | 0.006 |
| | | | AB19-101006 | ASSAY | TB19203133 | 877.00 | 878.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.027 | 0.005 |
| | | | AB19-101007 | ASSAY | TB19203133 | 878.00 | 879.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.029 | 0.006 |
| | | | AB19-101008 | ASSAY | TB19203133 | 879.00 | 880.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.029 | 0.005 |
| | | | AB19-101009 | ASSAY | TB19203133 | 880.00 | 881.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.028 | 0.005 |
| | | | AB19-101010 | ASSAY | TB19203133 | 881.00 | 882.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.005 | 0.030 | 0.005 |
| | | | AB19-101011 | ASSAY | TB19203133 | 882.00 | 883.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.005 | 0.030 | 0.005 |
| | | | AB19-101012 | ASSAY | TB19203133 | 883.00 | 884.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.005 |
| | | | AB19-101013 | ASSAY | TB19203133 | 884.00 | 885.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.028 | 0.005 |
| | | | AB19-101017 | ASSAY | TB19211707 | 885.00 | 886.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.017 | 0.028 | 0.007 |
| | | | AB19-101018 | ASSAY | TB19211707 | 886.00 | 887.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.017 | 0.035 | 0.006 |
| | | | AB19-101019 | ASSAY | TB19211707 | 887.00 | 888.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.031 | 0.005 |
| | | | AB19-101020 | ASSAY | TB19211707 | 888.00 | 889.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.027 | 0.005 |
| | | | AB19-101021 | ASSAY | TB19211707 | 889.00 | 890.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.029 | 0.005 |
| | | | AB19-101022 | ASSAY | TB19211707 | 890.00 | 891.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.030 | 0.005 |
| | | | AB19-101023 | ASSAY | TB19211707 | 891.00 | 892.04 | 1.04 | 0.001 | 0.003 | 0.001 | 0.005 | 0.032 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 892.04 | 911.32 | **GAB-Vt**<br>GAB VT<br>gradational contacts, mod chl-act alt, epidote alt for last couple metres (adjacent to crosscuting vfg felsic dykes. only weakly varitextured - mostly mg. | AB19-101024 | ASSAY | TB19211707 | 892.04 | 893.00 | 0.96 | 0.001 | 0.003 | 0.001 | 0.010 | 0.028 | 0.005 |
| | | | AB19-101025 | ASSAY | TB19211707 | 893.00 | 894.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.035 | 0.005 |
| | | | AB19-101026 | ASSAY | TB19211707 | 894.00 | 895.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.019 | 0.003 |
| | | | AB19-101027 | ASSAY | TB19211707 | 895.00 | 896.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.027 | 0.004 |
| | | | AB19-101028 | ASSAY | TB19211707 | 896.00 | 897.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.027 | 0.005 |
| | | | AB19-101029 | ASSAY | TB19211707 | 897.00 | 898.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.024 | 0.004 |
| | | | AB19-101030 | ASSAY | TB19211707 | 898.00 | 899.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.026 | 0.004 |
| | | | AB19-101031 | ASSAY | TB19211707 | 899.00 | 900.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.025 | 0.004 |
| | | | AB19-101032 | ASSAY | TB19211707 | 900.00 | 901.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.028 | 0.005 |
| | | | AB19-101033 | ASSAY | TB19211707 | 901.00 | 902.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.027 | 0.004 |
| | | | AB19-101034 | ASSAY | TB19211707 | 902.00 | 903.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.028 | 0.004 |
| | | | AB19-101036 | ASSAY | TB19211707 | 903.00 | 904.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.028 | 0.004 |
| | | | AB19-101037 | ASSAY | TB19211707 | 904.00 | 905.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.026 | 0.004 |
| | | | AB19-101038 | ASSAY | TB19211707 | 905.00 | 906.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.024 | 0.004 |
| | | | AB19-101039 | ASSAY | TB19211707 | 906.00 | 907.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.026 | 0.004 |
| | | | AB19-101040 | ASSAY | TB19211707 | 907.00 | 908.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.025 | 0.004 |
| | | | AB19-101041 | ASSAY | TB19211707 | 908.00 | 909.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.028 | 0.004 |
| | | | AB19-101042 | ASSAY | TB19211707 | 909.00 | 910.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.012 | 0.028 | 0.004 |
| | | | AB19-101043 | ASSAY | TB19211707 | 910.00 | 911.32 | 1.32 | 0.001 | 0.003 | 0.001 | 0.014 | 0.031 | 0.004 |
| 911.32 | 913.13 | **DIKE-Felsic**<br>Felsic dyke<br>vfg, start and end of dyke have higher angle contacts, but most of interior of dyke runs parallel to core axis . contains .5% dissemianted and fracture controlled pyrite. pink-beige-green. k-alt fractures. | AB19-101044 | ASSAY | TB19211707 | 911.32 | 912.00 | 0.68 | 0.001 | 0.003 | 0.001 | 0.010 | 0.017 | 0.003 |
| | | | AB19-101045 | ASSAY | TB19211707 | 912.00 | 913.13 | 1.13 | 0.001 | 0.003 | 0.001 | 0.022 | 0.017 | 0.003 |
| 913.13 | 915.38 | **GAB-Vt**<br>GAB VT<br>gradational contacts, mod chl-act alt, epidote alt for last couple metres (adjacent to crosscuting vfg felsic dykes. only weakly varitextured - mostly mg. | AB19-101046 | ASSAY | TB19211707 | 913.13 | 914.15 | 1.02 | 0.001 | 0.003 | 0.001 | 0.009 | 0.029 | 0.004 |
| | | | AB19-101047 | ASSAY | TB19211707 | 914.15 | 915.38 | 1.23 | 0.001 | 0.003 | 0.001 | 0.004 | 0.026 | 0.004 |

| From | To | Lithology |
|---|---|---|
| 915.38 | 930.65 | **NOR** |

NOR
gradational contacts, where weakly altered, brown in colour with brown/purple coloured feldspar (25-40%). weakly-moderately chl-act altered, 1% (locally up to 2%) coarse blebby and local fine intercumulus po-ccp+/-pn. contains patches of GAB VT towards lower contact.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101048 | ASSAY | TB19211707 | 915.38 | 916.00 | 0.62 | 0.001 | 0.003 | 0.001 | 0.007 | 0.025 | 0.005 |
| AB19-101049 | ASSAY | TB19211707 | 916.00 | 917.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.024 | 0.004 |
| AB19-101050 | ASSAY | TB19211707 | 917.00 | 918.00 | 1.00 | 0.009 | 0.003 | 0.005 | 0.040 | 0.063 | 0.005 |
| AB19-101051 | ASSAY | TB19211707 | 918.00 | 919.00 | 1.00 | 0.027 | 0.009 | 0.011 | 0.063 | 0.091 | 0.009 |
| AB19-101052 | ASSAY | TB19211707 | 919.00 | 920.00 | 1.00 | 0.049 | 0.014 | 0.016 | 0.084 | 0.107 | 0.007 |
| AB19-101053 | ASSAY | TB19211707 | 920.00 | 921.00 | 1.00 | 0.030 | 0.012 | 0.012 | 0.071 | 0.092 | 0.008 |
| AB19-101054 | ASSAY | TB19211707 | 921.00 | 922.00 | 1.00 | 0.026 | 0.008 | 0.010 | 0.065 | 0.091 | 0.009 |
| AB19-101056 | ASSAY | TB19211707 | 922.00 | 923.00 | 1.00 | 0.031 | 0.010 | 0.012 | 0.065 | 0.094 | 0.008 |
| AB19-101057 | ASSAY | TB19211707 | 923.00 | 924.00 | 1.00 | 0.050 | 0.019 | 0.022 | 0.106 | 0.114 | 0.007 |
| AB19-101058 | ASSAY | TB19211707 | 924.00 | 925.00 | 1.00 | 0.060 | 0.020 | 0.024 | 0.121 | 0.143 | 0.008 |
| AB19-101059 | ASSAY | TB19211707 | 925.00 | 926.00 | 1.00 | 0.050 | 0.017 | 0.027 | 0.147 | 0.190 | 0.009 |
| AB19-101060 | ASSAY | TB19211707 | 926.00 | 927.00 | 1.00 | 0.035 | 0.012 | 0.019 | 0.097 | 0.116 | 0.007 |
| AB19-101061 | ASSAY | TB19211707 | 927.00 | 928.00 | 1.00 | 0.030 | 0.009 | 0.024 | 0.091 | 0.119 | 0.008 |
| AB19-101062 | ASSAY | TB19211707 | 928.00 | 929.00 | 1.00 | 0.032 | 0.012 | 0.017 | 0.088 | 0.108 | 0.007 |
| AB19-101063 | ASSAY | TB19211707 | 929.00 | 930.00 | 1.00 | 0.045 | 0.021 | 0.023 | 0.139 | 0.170 | 0.008 |
| AB19-101064 | ASSAY | TB19211707 | 930.00 | 930.65 | 0.65 | 0.030 | 0.011 | 0.035 | 0.165 | 0.188 | 0.009 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 930.65 | 955.80 | **GAB-Vt**<br>GAB VT<br>mod chl-act alteration, bt alteration halos around felsic dykes, mostly mg, but varitextured mg-cg. crosscut by small white felsic dykes.<br>-0.5-1% blebby and intercumulus po-ccp+/-pn+/-py from top to 946m;<br>-953-955.8m 0.5-1% blebby and fg diss po-ccp - min mostly in cg phases through this section;<br>-patchy trace min elsewhere | AB19-101065 | ASSAY | TB19211707 | 930.65 | 931.71 | 1.06 | 0.017 | 0.010 | 0.014 | 0.078 | 0.097 | 0.007 |
| | | | AB19-101066 | ASSAY | TB19211707 | 931.71 | 933.00 | 1.29 | 0.046 | 0.014 | 0.034 | 0.144 | 0.168 | 0.009 |
| | | | AB19-101067 | ASSAY | TB19211707 | 933.00 | 934.00 | 1.00 | 0.051 | 0.014 | 0.028 | 0.151 | 0.187 | 0.009 |
| | | | AB19-101068 | ASSAY | TB19211707 | 934.00 | 935.00 | 1.00 | 0.059 | 0.018 | 0.047 | 0.206 | 0.232 | 0.010 |
| | | | AB19-101069 | ASSAY | TB19211707 | 935.00 | 936.00 | 1.00 | 0.049 | 0.018 | 0.035 | 0.152 | 0.187 | 0.008 |
| | | | AB19-101070 | ASSAY | TB19211707 | 936.00 | 937.00 | 1.00 | 0.050 | 0.016 | 0.031 | 0.156 | 0.176 | 0.008 |
| | | | AB19-101071 | ASSAY | TB19211707 | 937.00 | 938.00 | 1.00 | 0.039 | 0.016 | 0.025 | 0.122 | 0.149 | 0.008 |
| | | | AB19-101072 | ASSAY | TB19211707 | 938.00 | 939.00 | 1.00 | 0.071 | 0.021 | 0.031 | 0.118 | 0.198 | 0.009 |
| | | | AB19-101073 | ASSAY | TB19211707 | 939.00 | 940.00 | 1.00 | 0.065 | 0.022 | 0.043 | 0.186 | 0.234 | 0.010 |
| | | | AB19-101074 | ASSAY | TB19211707 | 940.00 | 941.00 | 1.00 | 0.056 | 0.015 | 0.033 | 0.178 | 0.215 | 0.010 |
| | | | AB19-101076 | ASSAY | TB19211707 | 941.00 | 942.00 | 1.00 | 0.028 | 0.010 | 0.017 | 0.098 | 0.136 | 0.008 |
| | | | AB19-101077 | ASSAY | TB19211707 | 942.00 | 943.00 | 1.00 | 0.030 | 0.010 | 0.019 | 0.103 | 0.136 | 0.008 |
| | | | AB19-101078 | ASSAY | TB19211707 | 943.00 | 944.00 | 1.00 | 0.017 | 0.007 | 0.009 | 0.046 | 0.095 | 0.007 |
| | | | AB19-101079 | ASSAY | TB19211707 | 944.00 | 945.00 | 1.00 | 0.006 | 0.003 | 0.003 | 0.023 | 0.058 | 0.006 |
| | | | AB19-101080 | ASSAY | TB19211707 | 945.00 | 946.00 | 1.00 | 0.016 | 0.006 | 0.013 | 0.050 | 0.079 | 0.007 |
| | | | AB19-101081 | ASSAY | TB19211707 | 946.00 | 947.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.027 | 0.044 | 0.007 |
| | | | AB19-101082 | ASSAY | TB19211707 | 947.00 | 948.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.040 | 0.045 | 0.006 |
| | | | AB19-101083 | ASSAY | TB19211707 | 948.00 | 949.00 | 1.00 | 0.003 | 0.003 | 0.004 | 0.046 | 0.053 | 0.007 |
| | | | AB19-101084 | ASSAY | TB19211707 | 949.00 | 950.00 | 1.00 | 0.003 | 0.003 | 0.006 | 0.050 | 0.057 | 0.008 |
| | | | AB19-101085 | ASSAY | TB19211707 | 950.00 | 951.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.021 | 0.031 | 0.005 |
| | | | AB19-101086 | ASSAY | TB19211707 | 951.00 | 952.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.021 | 0.033 | 0.005 |
| | | | AB19-101087 | ASSAY | TB19211707 | 952.00 | 953.00 | 1.00 | 0.001 | 0.003 | 0.006 | 0.026 | 0.033 | 0.006 |
| | | | AB19-101088 | ASSAY | TB19211707 | 953.00 | 954.00 | 1.00 | 0.002 | 0.003 | 0.005 | 0.036 | 0.044 | 0.007 |
| | | | AB19-101089 | ASSAY | TB19211707 | 954.00 | 955.00 | 1.00 | 0.009 | 0.006 | 0.012 | 0.109 | 0.098 | 0.010 |
| | | | AB19-101090 | ASSAY | TB19211707 | 955.00 | 955.80 | 0.80 | 0.006 | 0.003 | 0.011 | 0.088 | 0.080 | 0.008 |
| 955.80 | 957.45 | **DIKE-Mafic**<br>Mafic dyke<br>fg, wk-mod chlorite alt, sharp contacts, | AB19-101091 | ASSAY | TB19211707 | 955.80 | 956.68 | 0.88 | 0.001 | 0.003 | 0.001 | 0.026 | 0.029 | 0.006 |
| | | | AB19-101095 | ASSAY | TB19211698 | 956.68 | 957.45 | 0.77 | 0.001 | 0.003 | 0.001 | 0.026 | 0.029 | 0.006 |

| From | To | Lithology |
|---|---|---|
| 957.45 | 987.00 | **GAB-Vt** |

GAB VT
mod chl-act alteration, mostly mg, but varitextured mg-cg. crossscut by pegmatitic felsic dykes b/w 965 and 969m, and 975 -977m w/ bt halos. VT BX b/w 958 and 969m with coarse grained gab intervals that appear more as fragments with sharp contacts vs gradational boundaries between grain sizes elsewhere. crosscut by mafic dykes towards lower contact
-957.45-966m 0.5-1% blebby and fg diss po-ccp -min mostly in cg phases through this section;
-975.25-987 tr-0.5% po-ccp blebs and trace local diss py.
lower contact becomes foliated then there was lost core where it becomes qdio.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101096 | ASSAY | TB19211698 | 957.45 | 958.75 | 1.30 | 0.005 | 0.003 | 0.008 | 0.063 | 0.068 | 0.007 |
| AB19-101097 | ASSAY | TB19211698 | 958.75 | 960.00 | 1.25 | 0.001 | 0.003 | 0.004 | 0.035 | 0.035 | 0.006 |
| AB19-101098 | ASSAY | TB19211698 | 960.00 | 961.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.039 | 0.047 | 0.006 |
| AB19-101099 | ASSAY | TB19211698 | 961.00 | 962.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.044 | 0.052 | 0.007 |
| AB19-101100 | ASSAY | TB19211698 | 962.00 | 963.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.027 | 0.042 | 0.007 |
| AB19-101101 | ASSAY | TB19211698 | 963.00 | 964.00 | 1.00 | 0.001 | 0.003 | 0.005 | 0.036 | 0.043 | 0.006 |
| AB19-101102 | ASSAY | TB19211698 | 964.00 | 965.00 | 1.00 | 0.010 | 0.005 | 0.018 | 0.072 | 0.080 | 0.009 |
| AB19-101103 | ASSAY | TB19211698 | 965.00 | 966.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.039 | 0.048 | 0.007 |
| AB19-101104 | ASSAY | TB19211698 | 966.00 | 967.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.026 | 0.032 | 0.004 |
| AB19-101105 | ASSAY | TB19211698 | 967.00 | 968.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.013 | 0.002 |
| AB19-101106 | ASSAY | TB19211698 | 968.00 | 969.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.014 | 0.025 | 0.004 |
| AB19-101107 | ASSAY | TB19211698 | 969.00 | 970.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.030 | 0.043 | 0.007 |
| AB19-101108 | ASSAY | TB19211698 | 970.00 | 971.00 | 1.00 | 0.002 | 0.003 | 0.004 | 0.034 | 0.040 | 0.007 |
| AB19-101109 | ASSAY | TB19211698 | 971.00 | 972.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.024 | 0.038 | 0.008 |
| AB19-101110 | ASSAY | TB19211698 | 972.00 | 973.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.022 | 0.040 | 0.008 |
| AB19-101111 | ASSAY | TB19211698 | 973.00 | 974.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.016 | 0.037 | 0.007 |
| AB19-101112 | ASSAY | TB19211698 | 974.00 | 975.00 | 1.00 | 0.001 | 0.003 | 0.004 | 0.034 | 0.039 | 0.006 |
| AB19-101114 | ASSAY | TB19211698 | 975.00 | 976.00 | 1.00 | 0.003 | 0.003 | 0.008 | 0.047 | 0.045 | 0.006 |
| AB19-101115 | ASSAY | TB19211698 | 976.00 | 977.00 | 1.00 | 0.004 | 0.003 | 0.007 | 0.044 | 0.048 | 0.007 |
| AB19-101116 | ASSAY | TB19211698 | 977.00 | 978.00 | 1.00 | 0.003 | 0.003 | 0.005 | 0.037 | 0.054 | 0.007 |
| AB19-101117 | ASSAY | TB19211698 | 978.00 | 979.00 | 1.00 | 0.004 | 0.003 | 0.013 | 0.090 | 0.083 | 0.008 |
| AB19-101118 | ASSAY | TB19211698 | 979.00 | 980.00 | 1.00 | 0.003 | 0.003 | 0.008 | 0.074 | 0.080 | 0.007 |
| AB19-101119 | ASSAY | TB19211698 | 980.00 | 981.00 | 1.00 | 0.002 | 0.003 | 0.003 | 0.038 | 0.053 | 0.006 |
| AB19-101120 | ASSAY | TB19211698 | 981.00 | 982.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.021 | 0.041 | 0.006 |
| AB19-101121 | ASSAY | TB19211698 | 982.00 | 983.00 | 1.00 | 0.004 | 0.003 | 0.012 | 0.041 | 0.053 | 0.006 |
| AB19-101122 | ASSAY | TB19211698 | 983.00 | 984.00 | 1.00 | 0.003 | 0.003 | 0.007 | 0.032 | 0.044 | 0.006 |
| AB19-101123 | ASSAY | TB19211698 | 984.00 | 985.00 | 1.00 | 0.005 | 0.003 | 0.012 | 0.052 | 0.063 | 0.008 |
| AB19-101124 | ASSAY | TB19211698 | 985.00 | 986.00 | 1.00 | 0.078 | 0.034 | 0.009 | 0.033 | 0.043 | 0.007 |
| AB19-101125 | ASSAY | TB19211698 | 986.00 | 987.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.019 | 0.033 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 987.00 | 996.33 | **QDIOR**<br>Feldspar-phyric quartz diorite<br>Foliated at top decreasing in strength downhole, biotite-rich, cg plagioclase phenocrysts, ~10% quartz, local breccia fragments at top of coarse grained diorite/qtz diorite. occassional quartz veins, patchy wk chl alt | AB19-101126 | ASSAY | TB19211698 | 987.00 | 988.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.002 |
| | | | AB19-101127 | ASSAY | TB19211698 | 988.00 | 989.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.001 | 0.004 | 0.001 |
| | | | AB19-101128 | ASSAY | TB19211698 | 989.00 | 990.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.007 | 0.001 |
| | | | AB19-101129 | ASSAY | TB19211698 | 990.00 | 991.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.004 | 0.001 |
| | | | AB19-101130 | ASSAY | TB19211698 | 991.00 | 992.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.005 | 0.001 |
| | | | AB19-101131 | ASSAY | TB19211698 | 992.00 | 993.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.005 | 0.001 |
| | | | AB19-101132 | ASSAY | TB19211698 | 993.00 | 994.00 | 1.00 | 0.024 | 0.017 | 0.001 | 0.007 | 0.014 | 0.003 |
| | | | AB19-101134 | ASSAY | TB19211698 | 994.00 | 995.00 | 1.00 | 0.012 | 0.008 | 0.001 | 0.003 | 0.008 | 0.002 |
| | | | AB19-101135 | ASSAY | TB19211698 | 995.00 | 996.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.003 | 0.006 | 0.001 |
| | | | AB19-101136 | ASSAY | TB19211698 | 996.00 | 997.00 | 1.00 | 0.017 | 0.010 | 0.001 | 0.003 | 0.020 | 0.003 |

| From | To | Lithology |
|---|---|---|
| 996.33 | 1,031.70 | **DIOR-Bx**<br>Quartz diorite to diorite Bx<br>Coarse grained feldspar phenocrysts from upper unit disappear at abrupt contact, but qdio continues, and starts to contain abundant coarse grained dio/qdio/GAB fragments/xenoliths. Occassional quartz veins. ~5-10% quartz in matrix, biotite-rich matrix, chl-act altered xenoliths. patchy weak chl in matrix. trace py in quartz vein. At 1017.22m sharp contact with finer grained diorite, bt-rich, still containg feldspar phenocrysts (10%) and seem much more foliated. Xenoliths are still present. Not sure if breccia or just xenolithic porphyritic diorite. Fault from 1029.15-1029.2m. Sharp and foliated lower ctct wth felsic dike. |

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101137 | ASSAY | TB19211698 | 997.00 | 998.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.004 | 0.001 |
| AB19-101138 | ASSAY | TB19211698 | 998.00 | 999.00 | 1.00 | 0.005 | 0.007 | 0.001 | 0.001 | 0.016 | 0.003 |
| AB19-101139 | ASSAY | TB19211698 | 999.00 | 1000.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.008 | 0.002 |
| AB19-101140 | ASSAY | TB19211698 | 1000.00 | 1001.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.009 | 0.002 |
| AB19-101141 | ASSAY | TB19211698 | 1001.00 | 1002.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.009 | 0.002 |
| AB19-101142 | ASSAY | TB19211698 | 1002.00 | 1003.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.009 | 0.002 |
| AB19-101143 | ASSAY | TB19211698 | 1003.00 | 1004.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.008 | 0.002 |
| AB19-101144 | ASSAY | TB19211698 | 1004.00 | 1005.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.001 | 0.010 | 0.002 |
| AB19-101145 | ASSAY | TB19211698 | 1005.00 | 1006.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.001 | 0.007 | 0.002 |
| AB19-101146 | ASSAY | TB19211698 | 1006.00 | 1007.00 | 1.00 | 0.005 | 0.013 | 0.004 | 0.003 | 0.017 | 0.003 |
| AB19-101147 | ASSAY | TB19211698 | 1007.00 | 1008.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.001 | 0.007 | 0.001 |
| AB19-101148 | ASSAY | TB19211698 | 1008.00 | 1009.00 | 1.00 | 0.002 | 0.003 | 0.002 | 0.002 | 0.005 | 0.001 |
| AB19-101149 | ASSAY | TB19211698 | 1009.00 | 1010.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.006 | 0.001 |
| AB19-101150 | ASSAY | TB19234003 | 1010.00 | 1011.00 | 1.00 | 0.001 | 0.003 | 0.002 | 0.001 | 0.008 | 0.002 |
| AB19-101151 | ASSAY | TB19234003 | 1011.00 | 1012.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| AB19-101152 | ASSAY | TB19234003 | 1012.00 | 1013.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.007 | 0.002 |
| AB19-101154 | ASSAY | TB19234003 | 1013.00 | 1014.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.012 | 0.002 |
| AB19-101155 | ASSAY | TB19234003 | 1014.00 | 1015.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.006 | 0.001 |
| AB19-101156 | ASSAY | TB19234003 | 1015.00 | 1016.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.005 | 0.001 |
| AB19-101157 | ASSAY | TB19211698 | 1016.00 | 1017.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.005 | 0.001 |
| AB19-101158 | ASSAY | TB19211698 | 1017.00 | 1018.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.015 | 0.003 |
| AB19-101159 | ASSAY | TB19211698 | 1018.00 | 1019.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.015 | 0.003 |
| AB19-101160 | ASSAY | TB19211698 | 1019.00 | 1020.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.010 | 0.002 |
| AB19-101161 | ASSAY | TB19211698 | 1020.00 | 1021.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.013 | 0.003 |
| AB19-101162 | ASSAY | TB19211698 | 1021.00 | 1022.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.001 | 0.015 | 0.003 |
| AB19-101163 | ASSAY | TB19211698 | 1022.00 | 1023.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.012 | 0.002 |
| AB19-101164 | ASSAY | TB19211698 | 1023.00 | 1024.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.012 | 0.003 |
| AB19-101165 | ASSAY | TB19211698 | 1024.00 | 1025.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.011 | 0.003 |
| AB19-101166 | ASSAY | TB19211698 | 1025.00 | 1026.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.009 | 0.003 |
| AB19-101167 | ASSAY | TB19211698 | 1026.00 | 1027.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.012 | 0.003 |
| AB19-101168 | ASSAY | TB19211698 | 1027.00 | 1028.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.005 | 0.010 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-101169 | ASSAY | TB19211698 | 1028.00 | 1029.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.001 | 0.015 | 0.003 |
| | | | AB19-101173 | ASSAY | TB19211700 | 1029.00 | 1030.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.002 | 0.016 | 0.003 |
| | | | AB19-101174 | ASSAY | TB19211700 | 1030.00 | 1031.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.004 | 0.011 | 0.003 |
| | | | AB19-101175 | ASSAY | TB19211700 | 1031.00 | 1031.70 | 0.70 | 0.001 | 0.003 | 0.001 | 0.006 | 0.010 | 0.003 |
| 1,031.70 | 1,034.00 | **DIKE-Felsic**<br>felsic dike<br>mg, common qtz vein cutting dike, sharp irregular ctcts. | AB19-101176 | ASSAY | TB19211700 | 1031.70 | 1033.00 | 1.30 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.000 |
| | | | AB19-101177 | ASSAY | TB19211700 | 1033.00 | 1034.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.000 |
| 1,034.00 | 1,038.60 | **DIOR-Bx**<br>DIOR to DIOR Bx<br>Fine- to medium-grained, bt-rich, porphyritic feldspar, foliated, common GAB xenoliths. Unit is chaotically mixed between fine-grained and medium-grained DIOR with GAB xenos to wisps. Lower ctct marked by felsic dike. | AB19-101178 | ASSAY | TB19211700 | 1034.00 | 1035.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.012 | 0.003 |
| | | | AB19-101179 | ASSAY | TB19211700 | 1035.00 | 1036.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.012 | 0.003 |
| | | | AB19-101180 | ASSAY | TB19211700 | 1036.00 | 1037.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.012 | 0.003 |
| | | | AB19-101181 | ASSAY | TB19211700 | 1037.00 | 1038.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.015 | 0.004 |
| | | | AB19-101182 | ASSAY | TB19211700 | 1038.00 | 1038.60 | 0.60 | 0.002 | 0.003 | 0.001 | 0.004 | 0.012 | 0.003 |

| From | To | Lithology |
|---|---|---|
| 1,038.60 | 1,120.08 | **GAB-Bx** |

GAB BX
Medium- to coarse-grained, massive to foliated, local VT but mainly mg, gabbro bx. Unit is commonly cut by DIOR dykes and wisps (up to 30% of unit). From 1084.44m fine-grained bt-rich DIOR or GAB is the common bx matrix in which case, mg-cg GAB xenoliths occur. Fine-grained GAB also occuring as xenoliths in GAB and porphyritic DIOR. GAB unit could potentially be hbl diorite (non-porphyritic) but amph seems acicular suggesting it's actinolite and likely an alteration product. GAB ressembles EGAB.
50-60% amphibole and bt, 35% plag, 5% qtz
Weak chl-act alt.
Trace spotty Py.
Sharp to irregular ctcts with DIOR dykes.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101183 | ASSAY | TB19211700 | 1038.60 | 1039.22 | 0.62 | 0.001 | 0.003 | 0.001 | 0.001 | 0.002 | 0.001 |
| AB19-101184 | ASSAY | TB19211700 | 1039.22 | 1040.00 | 0.78 | 0.001 | 0.003 | 0.001 | 0.004 | 0.011 | 0.003 |
| AB19-101185 | ASSAY | TB19211700 | 1040.00 | 1041.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.011 | 0.004 |
| AB19-101186 | ASSAY | TB19211700 | 1041.00 | 1042.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.012 | 0.003 |
| AB19-101187 | ASSAY | TB19211700 | 1042.00 | 1043.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.010 | 0.003 |
| AB19-101188 | ASSAY | TB19211700 | 1043.00 | 1044.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.015 | 0.004 |
| AB19-101189 | ASSAY | TB19211700 | 1044.00 | 1045.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.011 | 0.003 |
| AB19-101190 | ASSAY | TB19211700 | 1045.00 | 1046.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.009 | 0.003 |
| AB19-101192 | ASSAY | TB19211700 | 1046.00 | 1047.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.009 | 0.003 |
| AB19-101193 | ASSAY | TB19211700 | 1047.00 | 1048.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.013 | 0.004 |
| AB19-101194 | ASSAY | TB19211700 | 1048.00 | 1049.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.013 | 0.004 |
| AB19-101195 | ASSAY | TB19211700 | 1049.00 | 1050.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.010 | 0.003 |
| AB19-101196 | ASSAY | TB19211700 | 1050.00 | 1051.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| AB19-101197 | ASSAY | TB19211700 | 1051.00 | 1052.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.012 | 0.003 |
| AB19-101198 | ASSAY | TB19211700 | 1052.00 | 1053.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| AB19-101199 | ASSAY | TB19211700 | 1053.00 | 1054.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.010 | 0.003 |
| AB19-101200 | ASSAY | TB19211700 | 1054.00 | 1055.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.013 | 0.004 |
| AB19-101201 | ASSAY | TB19211700 | 1055.00 | 1056.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.006 | 0.002 |
| AB19-101202 | ASSAY | TB19211700 | 1056.00 | 1057.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.007 | 0.002 |
| AB19-101203 | ASSAY | TB19211700 | 1057.00 | 1058.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| AB19-101204 | ASSAY | TB19211700 | 1058.00 | 1059.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.008 | 0.003 |
| AB19-101205 | ASSAY | TB19211700 | 1059.00 | 1060.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.007 | 0.003 |
| AB19-101206 | ASSAY | TB19211700 | 1060.00 | 1061.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| AB19-101207 | ASSAY | TB19211700 | 1061.00 | 1062.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.007 | 0.003 |
| AB19-101208 | ASSAY | TB19211700 | 1062.00 | 1063.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.009 | 0.003 |
| AB19-101209 | ASSAY | TB19211700 | 1063.00 | 1064.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.008 | 0.003 |
| AB19-101210 | ASSAY | TB19211700 | 1064.00 | 1065.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.006 | 0.002 |
| AB19-101212 | ASSAY | TB19211700 | 1065.00 | 1066.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.006 | 0.002 |
| AB19-101213 | ASSAY | TB19211700 | 1066.00 | 1067.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| AB19-101214 | ASSAY | TB19211700 | 1067.00 | 1068.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.008 | 0.003 |
| AB19-101215 | ASSAY | TB19211700 | 1068.00 | 1069.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-101216 | ASSAY | TB19211700 | 1069.00 | 1070.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| | | | AB19-101217 | ASSAY | TB19211700 | 1070.00 | 1071.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| | | | AB19-101218 | ASSAY | TB19211700 | 1071.00 | 1072.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.008 | 0.003 |
| | | | AB19-101219 | ASSAY | TB19211700 | 1072.00 | 1073.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| | | | AB19-101220 | ASSAY | TB19211700 | 1073.00 | 1074.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.006 | 0.002 |
| | | | AB19-101221 | ASSAY | TB19211700 | 1074.00 | 1075.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.007 | 0.002 |
| | | | AB19-101222 | ASSAY | TB19211700 | 1075.00 | 1076.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.005 | 0.002 |
| | | | AB19-101223 | ASSAY | TB19211700 | 1076.00 | 1077.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.006 | 0.002 |
| | | | AB19-101224 | ASSAY | TB19211700 | 1077.00 | 1078.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| | | | AB19-101225 | ASSAY | TB19211700 | 1078.00 | 1079.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| | | | AB19-101226 | ASSAY | TB19211700 | 1079.00 | 1080.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| | | | AB19-101227 | ASSAY | TB19211700 | 1080.00 | 1081.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.008 | 0.003 |
| | | | AB19-101228 | ASSAY | TB19211700 | 1081.00 | 1082.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.003 | 0.001 |
| | | | AB19-101229 | ASSAY | TB19211700 | 1082.00 | 1083.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.008 | 0.003 |
| | | | AB19-101230 | ASSAY | TB19211700 | 1083.00 | 1084.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| | | | AB19-101232 | ASSAY | TB19211700 | 1084.00 | 1085.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.006 | 0.011 | 0.003 |
| | | | AB19-101233 | ASSAY | TB19211700 | 1085.00 | 1086.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.013 | 0.004 |
| | | | AB19-101234 | ASSAY | TB19211700 | 1086.00 | 1087.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.010 | 0.004 |
| | | | AB19-101235 | ASSAY | TB19211700 | 1087.00 | 1088.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.008 | 0.004 |
| | | | AB19-101236 | ASSAY | TB19211700 | 1088.00 | 1089.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.005 | 0.010 | 0.004 |
| | | | AB19-101237 | ASSAY | TB19211700 | 1089.00 | 1090.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.012 | 0.003 |
| | | | AB19-101238 | ASSAY | TB19211700 | 1090.00 | 1091.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.007 | 0.003 |
| | | | AB19-101239 | ASSAY | TB19211700 | 1091.00 | 1092.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| | | | AB19-101240 | ASSAY | TB19211700 | 1092.00 | 1093.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.007 | 0.002 |
| | | | AB19-101241 | ASSAY | TB19211700 | 1093.00 | 1094.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.008 | 0.003 |
| | | | AB19-101242 | ASSAY | TB19211700 | 1094.00 | 1095.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| | | | AB19-101243 | ASSAY | TB19211700 | 1095.00 | 1096.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.008 | 0.003 |
| | | | AB19-101244 | ASSAY | TB19211700 | 1096.00 | 1097.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.007 | 0.003 |
| | | | AB19-101245 | ASSAY | TB19211700 | 1097.00 | 1098.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.007 | 0.003 |
| | | | AB19-101246 | ASSAY | TB19211700 | 1098.00 | 1099.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.010 | 0.003 |
| | | | AB19-101247 | ASSAY | TB19211700 | 1099.00 | 1100.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.011 | 0.003 |
| | | | AB19-101251 | ASSAY | TB19211701 | 1100.00 | 1101.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.010 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-101252 | ASSAY | TB19211701 | 1101.00 | 1102.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.013 | 0.003 |
| | | | AB19-101253 | ASSAY | TB19211701 | 1102.00 | 1103.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.017 | 0.004 |
| | | | AB19-101254 | ASSAY | TB19211701 | 1103.00 | 1104.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.010 | 0.003 |
| | | | AB19-101255 | ASSAY | TB19211701 | 1104.00 | 1105.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.008 | 0.002 |
| | | | AB19-101256 | ASSAY | TB19211701 | 1105.00 | 1106.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.006 | 0.002 |
| | | | AB19-101257 | ASSAY | TB19211701 | 1106.00 | 1107.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| | | | AB19-101258 | ASSAY | TB19211701 | 1107.00 | 1108.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.009 | 0.003 |
| | | | AB19-101259 | ASSAY | TB19211701 | 1108.00 | 1109.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.009 | 0.003 |
| | | | AB19-101260 | ASSAY | TB19211701 | 1109.00 | 1110.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.003 | 0.009 | 0.003 |
| | | | AB19-101261 | ASSAY | TB19211701 | 1110.00 | 1111.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.009 | 0.003 |
| | | | AB19-101262 | ASSAY | TB19211701 | 1111.00 | 1112.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.011 | 0.003 |
| | | | AB19-101263 | ASSAY | TB19211701 | 1112.00 | 1113.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.004 | 0.018 | 0.003 |
| | | | AB19-101264 | ASSAY | TB19211701 | 1113.00 | 1114.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.010 | 0.003 |
| | | | AB19-101265 | ASSAY | TB19211701 | 1114.00 | 1115.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.008 | 0.002 |
| | | | AB19-101266 | ASSAY | TB19211701 | 1115.00 | 1116.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.009 | 0.003 |
| | | | AB19-101267 | ASSAY | TB19211701 | 1116.00 | 1117.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.010 | 0.003 |
| | | | AB19-101268 | ASSAY | TB19211701 | 1117.00 | 1118.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.009 | 0.003 |
| | | | AB19-101270 | ASSAY | TB19211701 | 1118.00 | 1119.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.009 | 0.003 |
| | | | AB19-101271 | ASSAY | TB19211701 | 1119.00 | 1120.08 | 1.08 | 0.001 | 0.003 | 0.001 | 0.004 | 0.008 | 0.002 |

| From | To | Lithology |
|---|---|---|
| 1,120.08 | 1,152.00 | **GAB-Hbl** |

GAB
Black and white, medium-grained, sub-equigranular, massive to foliated, gabbro. Ressembles diorite due to the salt and pepper colouring, mafic mins are weakly altered to chl-act so hard to tell if they were originally pyroxenes (GAB) or hornblende (DIOR).
50% plag, 50% mafic min (amphibole and bt), local zones with 5-10% qtz, but mainly <5% qtz.
weak chl-act alt to unaltered
nil sulphides
rare DIOR dykes.
Ressembles EGAB in terms of grain size (MG), min percentage (plag and mafic mins roughly 50/50) and local foliation.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101272 | ASSAY | TB19211701 | 1120.08 | 1121.00 | 0.92 | 0.001 | 0.003 | 0.001 | 0.003 | 0.009 | 0.003 |
| AB19-101273 | ASSAY | TB19211701 | 1121.00 | 1122.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.010 | 0.003 |
| AB19-101274 | ASSAY | TB19211701 | 1122.00 | 1123.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| AB19-101275 | ASSAY | TB19211701 | 1123.00 | 1124.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.010 | 0.003 |
| AB19-101276 | ASSAY | TB19211701 | 1124.00 | 1125.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.011 | 0.003 |
| AB19-101277 | ASSAY | TB19211701 | 1125.00 | 1126.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.007 | 0.002 |
| AB19-101278 | ASSAY | TB19211701 | 1126.00 | 1127.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.008 | 0.003 |
| AB19-101279 | ASSAY | TB19211701 | 1127.00 | 1128.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.009 | 0.003 |
| AB19-101280 | ASSAY | TB19211701 | 1128.00 | 1129.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| AB19-101281 | ASSAY | TB19211701 | 1129.00 | 1130.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.008 | 0.003 |
| AB19-101282 | ASSAY | TB19211701 | 1130.00 | 1131.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.007 | 0.002 |
| AB19-101283 | ASSAY | TB19211701 | 1131.00 | 1132.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| AB19-101284 | ASSAY | TB19211701 | 1132.00 | 1133.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.007 | 0.002 |
| AB19-101285 | ASSAY | TB19211701 | 1133.00 | 1134.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.010 | 0.003 |
| AB19-101286 | ASSAY | TB19211701 | 1134.00 | 1135.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.009 | 0.003 |
| AB19-101287 | ASSAY | TB19211701 | 1135.00 | 1136.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.009 | 0.003 |
| AB19-101288 | ASSAY | TB19211701 | 1136.00 | 1137.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.007 | 0.002 |
| AB19-101290 | ASSAY | TB19211701 | 1137.00 | 1138.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.006 | 0.002 |
| AB19-101291 | ASSAY | TB19211701 | 1138.00 | 1139.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.006 | 0.002 |
| AB19-101292 | ASSAY | TB19211701 | 1139.00 | 1140.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| AB19-101293 | ASSAY | TB19211701 | 1140.00 | 1141.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.008 | 0.003 |
| AB19-101294 | ASSAY | TB19211701 | 1141.00 | 1142.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.009 | 0.003 |
| AB19-101295 | ASSAY | TB19211701 | 1142.00 | 1143.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.008 | 0.003 |
| AB19-101296 | ASSAY | TB19211701 | 1143.00 | 1144.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.007 | 0.002 |
| AB19-101297 | ASSAY | TB19211701 | 1144.00 | 1145.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| AB19-101298 | ASSAY | TB19211701 | 1145.00 | 1146.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |
| AB19-101299 | ASSAY | TB19211701 | 1146.00 | 1147.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.006 | 0.002 |
| AB19-101300 | ASSAY | TB19211701 | 1147.00 | 1148.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.006 | 0.002 |
| AB19-101301 | ASSAY | TB19211701 | 1148.00 | 1149.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.007 | 0.002 |
| AB19-101302 | ASSAY | TB19211701 | 1149.00 | 1150.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.006 | 0.002 |
| AB19-101303 | ASSAY | TB19211701 | 1150.00 | 1151.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.006 | 0.002 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | AB19-101304 | ASSAY | TB19211701 | 1151.00 | 1152.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.007 | 0.002 |

## Survey Data

| Depth | Azimuth Decimal | Dip Decimal | Test Type | Flag | Comments |
|---|---|---|---|---|---|
| 0.00 | 197.05 | -0.03 | UNCSPRNT | O | |
| 5.00 | 197.12 | -0.26 | UNCSPRNT | O | |
| 10.00 | 197.12 | -0.31 | UNCSPRNT | O | |
| 15.00 | 197.15 | -0.33 | UNCSPRNT | O | |
| 20.00 | 197.18 | -0.37 | UNCSPRNT | O | |
| 25.00 | 197.22 | -0.40 | UNCSPRNT | O | |
| 30.00 | 197.25 | -0.42 | UNCSPRNT | O | |
| 35.00 | 197.29 | -0.43 | UNCSPRNT | O | |
| 40.00 | 197.32 | -0.44 | UNCSPRNT | O | |
| 45.00 | 197.36 | -0.46 | UNCSPRNT | O | |
| 50.00 | 197.39 | -0.48 | UNCSPRNT | O | |
| 55.00 | 197.40 | -0.50 | UNCSPRNT | O | |
| 60.00 | 197.42 | -0.48 | UNCSPRNT | O | |
| 65.00 | 197.44 | -0.48 | UNCSPRNT | O | |
| 70.00 | 197.44 | -0.48 | UNCSPRNT | O | |
| 75.00 | 197.46 | -0.48 | UNCSPRNT | O | |
| 80.00 | 197.50 | -0.49 | UNCSPRNT | O | |
| 85.00 | 197.54 | -0.50 | UNCSPRNT | O | |
| 90.00 | 197.58 | -0.49 | UNCSPRNT | O | |
| 95.00 | 197.62 | -0.48 | UNCSPRNT | O | |
| 100.00 | 197.65 | -0.49 | UNCSPRNT | O | |
| 105.00 | 197.66 | -0.42 | UNCSPRNT | O | |
| 110.00 | 197.64 | -0.40 | UNCSPRNT | O | |
| 115.00 | 197.67 | -0.41 | UNCSPRNT | O | |
| 120.00 | 197.69 | -0.42 | UNCSPRNT | O | |
| 125.00 | 197.70 | -0.43 | UNCSPRNT | O | |
| 130.00 | 197.71 | -0.40 | UNCSPRNT | O | |
| 135.00 | 197.74 | -0.40 | UNCSPRNT | O | |
| 140.00 | 197.77 | -0.39 | UNCSPRNT | O | |
| 145.00 | 197.81 | -0.37 | UNCSPRNT | O | |
| 150.00 | 197.83 | -0.37 | UNCSPRNT | O | |
| 155.00 | 197.84 | -0.36 | UNCSPRNT | O | |
| 160.00 | 197.85 | -0.36 | UNCSPRNT | O | |
| 165.00 | 197.85 | -0.34 | UNCSPRNT | O | |
| 170.00 | 197.85 | -0.34 | UNCSPRNT | O | |
| 175.00 | 197.89 | -0.36 | UNCSPRNT | O | |
| 180.00 | 197.90 | -0.37 | UNCSPRNT | O | |

| | | | | |
|---|---|---|---|---|
| 185.00 | 197.92 | -0.37 | UNCSPRNT | O |
| 190.00 | 197.96 | -0.37 | UNCSPRNT | O |
| 195.00 | 198.00 | -0.36 | UNCSPRNT | O |
| 200.00 | 198.02 | -0.39 | UNCSPRNT | O |
| 205.00 | 198.05 | -0.42 | UNCSPRNT | O |
| 210.00 | 198.08 | -0.43 | UNCSPRNT | O |
| 215.00 | 198.10 | -0.48 | UNCSPRNT | O |
| 220.00 | 198.12 | -0.51 | UNCSPRNT | O |
| 225.00 | 198.12 | -0.52 | UNCSPRNT | O |
| 230.00 | 198.11 | -0.50 | UNCSPRNT | O |
| 235.00 | 198.10 | -0.50 | UNCSPRNT | O |
| 240.00 | 198.11 | -0.53 | UNCSPRNT | O |
| 245.00 | 198.12 | -0.54 | UNCSPRNT | O |
| 250.00 | 198.12 | -0.53 | UNCSPRNT | O |
| 255.00 | 198.15 | -0.54 | UNCSPRNT | O |
| 260.00 | 198.13 | -0.54 | UNCSPRNT | O |
| 265.00 | 198.12 | -0.53 | UNCSPRNT | O |
| 270.00 | 198.12 | -0.52 | UNCSPRNT | O |
| 275.00 | 198.13 | -0.52 | UNCSPRNT | O |
| 280.00 | 198.12 | -0.54 | UNCSPRNT | O |
| 285.00 | 198.13 | -0.54 | UNCSPRNT | O |
| 290.00 | 198.14 | -0.53 | UNCSPRNT | O |
| 295.00 | 198.15 | -0.52 | UNCSPRNT | O |
| 300.00 | 198.14 | -0.52 | UNCSPRNT | O |
| 305.00 | 198.20 | -0.51 | UNCSPRNT | O |
| 310.00 | 198.21 | -0.53 | UNCSPRNT | O |
| 315.00 | 198.23 | -0.56 | UNCSPRNT | O |
| 320.00 | 198.25 | -0.54 | UNCSPRNT | O |
| 325.00 | 198.29 | -0.55 | UNCSPRNT | O |
| 330.00 | 198.30 | -0.54 | UNCSPRNT | O |
| 335.00 | 198.39 | -0.55 | UNCSPRNT | O |
| 340.00 | 198.44 | -0.56 | UNCSPRNT | O |
| 345.00 | 198.53 | -0.57 | UNCSPRNT | O |
| 350.00 | 198.54 | -0.56 | UNCSPRNT | O |
| 355.00 | 198.59 | -0.57 | UNCSPRNT | O |
| 360.00 | 198.61 | -0.56 | UNCSPRNT | O |
| 365.00 | 198.69 | -0.51 | UNCSPRNT | O |
| 370.00 | 198.71 | -0.34 | UNCSPRNT | O |
| 375.00 | 198.70 | -0.37 | UNCSPRNT | O |
| 380.00 | 198.62 | -0.50 | UNCSPRNT | O |

| | | | | |
|---|---|---|---|---|
| 385.00 | 198.55 | -0.55 | UNCSPRNT | O |
| 390.00 | 198.53 | -0.58 | UNCSPRNT | O |
| 395.00 | 198.56 | -0.57 | UNCSPRNT | O |
| 400.00 | 198.56 | -0.56 | UNCSPRNT | O |
| 405.00 | 198.59 | -0.57 | UNCSPRNT | O |
| 410.00 | 198.60 | -0.59 | UNCSPRNT | O |
| 415.00 | 198.61 | -0.60 | UNCSPRNT | O |
| 420.00 | 198.63 | -0.60 | UNCSPRNT | O |
| 425.00 | 198.65 | -0.60 | UNCSPRNT | O |
| 430.00 | 198.67 | -0.60 | UNCSPRNT | O |
| 435.00 | 198.66 | -0.59 | UNCSPRNT | O |
| 440.00 | 198.69 | -0.58 | UNCSPRNT | O |
| 445.00 | 198.70 | -0.59 | UNCSPRNT | O |
| 450.00 | 198.70 | -0.59 | UNCSPRNT | O |
| 455.00 | 198.72 | -0.57 | UNCSPRNT | O |
| 460.00 | 198.72 | -0.59 | UNCSPRNT | O |
| 465.00 | 198.73 | -0.59 | UNCSPRNT | O |
| 470.00 | 198.76 | -0.57 | UNCSPRNT | O |
| 475.00 | 198.78 | -0.57 | UNCSPRNT | O |
| 480.00 | 198.79 | -0.57 | UNCSPRNT | O |
| 485.00 | 198.82 | -0.58 | UNCSPRNT | O |
| 490.00 | 198.83 | -0.58 | UNCSPRNT | O |
| 495.00 | 198.85 | -0.58 | UNCSPRNT | O |
| 500.00 | 198.87 | -0.59 | UNCSPRNT | O |
| 505.00 | 198.88 | -0.60 | UNCSPRNT | O |
| 510.00 | 198.93 | -0.63 | UNCSPRNT | O |
| 515.00 | 198.96 | -0.60 | UNCSPRNT | O |
| 520.00 | 198.99 | -0.60 | UNCSPRNT | O |
| 525.00 | 199.04 | -0.60 | UNCSPRNT | O |
| 530.00 | 199.05 | -0.58 | UNCSPRNT | O |
| 535.00 | 199.10 | -0.61 | UNCSPRNT | O |
| 540.00 | 199.17 | -0.69 | UNCSPRNT | O |
| 545.00 | 199.20 | -0.69 | UNCSPRNT | O |
| 550.00 | 199.24 | -0.68 | UNCSPRNT | O |
| 555.00 | 199.16 | -0.64 | UNCSPRNT | O |
| 560.00 | 199.18 | -0.66 | UNCSPRNT | O |
| 565.00 | 199.17 | -0.65 | UNCSPRNT | O |
| 570.00 | 199.21 | -0.65 | UNCSPRNT | O |
| 575.00 | 199.26 | -0.65 | UNCSPRNT | O |
| 580.00 | 199.29 | -0.67 | UNCSPRNT | O |

| | | | | |
|---|---|---|---|---|
| 585.00 | 199.34 | -0.65 | UNCSPRNT | O |
| 590.00 | 199.38 | -0.63 | UNCSPRNT | O |
| 595.00 | 199.40 | -0.62 | UNCSPRNT | O |
| 600.00 | 199.45 | -0.64 | UNCSPRNT | O |
| 605.00 | 199.47 | -0.64 | UNCSPRNT | O |
| 610.00 | 199.53 | -0.68 | UNCSPRNT | O |
| 615.00 | 199.52 | -0.67 | UNCSPRNT | O |
| 620.00 | 199.65 | -0.70 | UNCSPRNT | O |
| 625.00 | 199.81 | -0.77 | UNCSPRNT | O |
| 630.00 | 199.95 | -0.80 | UNCSPRNT | O |
| 635.00 | 200.06 | -0.86 | UNCSPRNT | O |
| 640.00 | 200.22 | -0.86 | UNCSPRNT | O |
| 645.00 | 200.35 | -0.85 | UNCSPRNT | O |
| 650.00 | 200.40 | -0.81 | UNCSPRNT | O |
| 655.00 | 200.57 | -0.71 | UNCSPRNT | O |
| 660.00 | 200.81 | -0.65 | UNCSPRNT | O |
| 665.00 | 200.95 | -0.56 | UNCSPRNT | O |
| 670.00 | 201.10 | -0.46 | UNCSPRNT | O |
| 675.00 | 201.30 | -0.36 | UNCSPRNT | O |
| 680.00 | 201.47 | -0.25 | UNCSPRNT | O |
| 685.00 | 201.67 | -0.11 | UNCSPRNT | O |
| 690.00 | 201.83 | -0.03 | UNCSPRNT | O |
| 695.00 | 202.01 | 0.04 | UNCSPRNT | O |
| 700.00 | 202.17 | 0.08 | UNCSPRNT | O |
| 705.00 | 202.41 | 0.17 | UNCSPRNT | O |
| 710.00 | 202.59 | 0.32 | UNCSPRNT | O |
| 715.00 | 202.80 | 0.42 | UNCSPRNT | O |
| 720.00 | 202.94 | 0.52 | UNCSPRNT | O |
| 725.00 | 203.16 | 0.64 | UNCSPRNT | O |
| 730.00 | 203.33 | 0.79 | UNCSPRNT | O |
| 735.00 | 203.49 | 0.95 | UNCSPRNT | O |
| 740.00 | 203.66 | 1.08 | UNCSPRNT | O |
| 745.00 | 203.80 | 1.22 | UNCSPRNT | O |
| 750.00 | 204.02 | 1.32 | UNCSPRNT | O |
| 755.00 | 204.16 | 1.48 | UNCSPRNT | O |
| 760.00 | 204.31 | 1.65 | UNCSPRNT | O |
| 765.00 | 204.47 | 1.80 | UNCSPRNT | O |
| 770.00 | 204.61 | 2.06 | UNCSPRNT | O |
| 775.00 | 204.75 | 2.26 | UNCSPRNT | O |
| 780.00 | 204.93 | 2.42 | UNCSPRNT | O |

| | | | | |
|---|---|---|---|---|
| 785.00 | 205.09 | 2.55 | UNCSPRNT | O |
| 790.00 | 205.27 | 2.67 | UNCSPRNT | O |
| 795.00 | 205.42 | 2.76 | UNCSPRNT | O |
| 800.00 | 205.54 | 2.86 | UNCSPRNT | O |
| 805.00 | 205.71 | 3.00 | UNCSPRNT | O |
| 810.00 | 205.90 | 3.13 | UNCSPRNT | O |
| 815.00 | 206.00 | 3.27 | UNCSPRNT | O |
| 820.00 | 206.22 | 3.40 | UNCSPRNT | O |
| 825.00 | 206.42 | 3.49 | UNCSPRNT | O |
| 830.00 | 206.61 | 3.63 | UNCSPRNT | O |
| 835.00 | 206.78 | 3.82 | UNCSPRNT | O |
| 840.00 | 206.96 | 3.88 | UNCSPRNT | O |
| 845.00 | 207.15 | 4.01 | UNCSPRNT | O |
| 850.00 | 207.30 | 4.13 | UNCSPRNT | O |
| 855.00 | 207.52 | 4.25 | UNCSPRNT | O |
| 860.00 | 207.64 | 4.35 | UNCSPRNT | O |
| 865.00 | 207.75 | 4.37 | UNCSPRNT | O |
| 870.00 | 207.87 | 4.37 | UNCSPRNT | O |
| 875.00 | 208.02 | 4.45 | UNCSPRNT | O |
| 880.00 | 208.18 | 4.46 | UNCSPRNT | O |
| 885.00 | 208.42 | 4.64 | UNCSPRNT | O |
| 890.00 | 208.67 | 4.80 | UNCSPRNT | O |
| 895.00 | 208.85 | 4.93 | UNCSPRNT | O |
| 900.00 | 209.04 | 5.05 | UNCSPRNT | O |
| 905.00 | 209.19 | 5.18 | UNCSPRNT | O |
| 910.00 | 209.34 | 5.36 | UNCSPRNT | O |
| 915.00 | 209.50 | 5.52 | UNCSPRNT | O |
| 920.00 | 209.65 | 5.72 | UNCSPRNT | O |
| 925.00 | 209.82 | 5.85 | UNCSPRNT | O |
| 930.00 | 210.04 | 6.05 | UNCSPRNT | O |
| 935.00 | 210.19 | 6.23 | UNCSPRNT | O |
| 940.00 | 210.37 | 6.40 | UNCSPRNT | O |
| 945.00 | 210.56 | 6.59 | UNCSPRNT | O |
| 950.00 | 210.70 | 6.79 | UNCSPRNT | O |
| 955.00 | 210.82 | 6.99 | UNCSPRNT | O |
| 960.00 | 210.98 | 7.17 | UNCSPRNT | O |
| 965.00 | 211.08 | 7.36 | UNCSPRNT | O |
| 970.00 | 211.34 | 7.50 | UNCSPRNT | O |
| 975.00 | 211.68 | 7.62 | UNCSPRNT | O |
| 980.00 | 211.77 | 7.75 | UNCSPRNT | O |

| | | | | |
|---|---|---|---|---|
| 985.00 | 211.84 | 7.88 | UNCSPRNT | O |
| 990.00 | 211.96 | 8.09 | UNCSPRNT | O |
| 995.00 | 211.97 | 8.28 | UNCSPRNT | O |
| 1000.00 | 212.00 | 8.42 | UNCSPRNT | O |
| 1005.00 | 212.12 | 8.48 | UNCSPRNT | O |
| 1010.00 | 212.21 | 8.49 | UNCSPRNT | O |
| 1015.00 | 212.33 | 8.55 | UNCSPRNT | O |
| 1020.00 | 212.45 | 8.59 | UNCSPRNT | O |
| 1025.00 | 212.56 | 8.69 | UNCSPRNT | O |
| 1030.00 | 212.67 | 8.73 | UNCSPRNT | O |
| 1035.00 | 212.77 | 8.79 | UNCSPRNT | O |
| 1040.00 | 212.89 | 8.81 | UNCSPRNT | O |
| 1045.00 | 213.00 | 8.84 | UNCSPRNT | O |
| 1050.00 | 213.11 | 8.87 | UNCSPRNT | O |
| 1055.00 | 213.18 | 8.94 | UNCSPRNT | O |
| 1060.00 | 213.28 | 9.08 | UNCSPRNT | O |
| 1065.00 | 213.42 | 9.19 | UNCSPRNT | O |
| 1070.00 | 213.54 | 9.29 | UNCSPRNT | O |
| 1075.00 | 213.64 | 9.35 | UNCSPRNT | O |
| 1080.00 | 213.76 | 9.39 | UNCSPRNT | O |
| 1085.00 | 213.88 | 9.49 | UNCSPRNT | O |
| 1090.00 | 213.92 | 9.50 | UNCSPRNT | O |
| 1095.00 | 214.01 | 9.55 | UNCSPRNT | O |
| 1100.00 | 214.13 | 9.71 | UNCSPRNT | O |
| 1105.00 | 214.23 | 9.77 | UNCSPRNT | O |
| 1110.00 | 214.29 | 9.80 | UNCSPRNT | O |
| 1115.00 | 214.33 | 9.82 | UNCSPRNT | O |
| 1120.00 | 214.38 | 9.85 | UNCSPRNT | O |

# Detailed Log Report
# Hole Number 19-702

| | | | | | |
|---|---|---|---|---|---|
| **Project Name:** | LDI - Mine | **Primary Coordinates Grid:** | MINE: | **Hole Status:** | Abandoned |
| **Project Code:** | LDI MINE | **North:** | 31,885.00 | **Length:** | 15.00 |
| **Location:** | | **East:** | 31,869.00 | **Hole Size:** | NQ |
| **Start Date:** | Oct 17, 2019 | **Elev:** | -538.00 | **Hole Type:** | DDH |
| **Completed Date:** | Oct 18, 2019 | **Collar Dip:** | | **Casing:** | No |
| **Contractor:** | G4 Forage Drilling | **Collar Az:** | | **Cemented:** | Yes |
| **Core Storage:** | Lac des Iles Minesite-cross piles | **Destination Coordinates Grid:** | UTM83-16 | **Collar Survey:** | N |
| **Units:** | METRIC | **North:** | 5,449,490.15 | **Plugged:** | N |
| **Start Log:** | Nov 30, 2019 | **East:** | 309,233.44 | **Multishot Survey:** | N |
| **End Log:** | Nov 30, 2019 | **Elev:** | -538.00 | **Pulse EM Survey:** | N |
| **Logged By 1:** | Liam Fay | **Claim:** | 253 | **EOH:** | 15.00 |
| | | | | **Artesian Cond:** | No |
| | | | | **Abandon Reason:** | Collared at incorrect location |

**Comments:** Hole recollared after 15m.

## Detailed Lithology

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 15.00 | **GAB-Vt** | | | | | | | | | | | | |

GABVT - Medium- to coarse-grained,
green-grey-black-white-purple in colour with a weak
degree of chl-act alteration.
Grain boundaries are often sharp. Pyroxene grains
commonly exhibit act-chl alteration along their rims.

Variations of the assemblage py, py-ccp and
py-po-pn-ccp are present in the interval, occuring in
such order down hole.

A mafic dyke is present from 7-20-7.81m.

# Detailed Log Report
# Hole Number 19-702z

| | | | | | |
|---|---|---|---|---|---|
| **Project Name:** | LDI - Mine | **Primary Coordinates Grid:** | MINE: | **Hole Status:** | Abandoned |
| **Project Code:** | LDI MINE | **North:** | 31,882.92 | **Length:** | 765.00 |
| **Location:** | | **East:** | 31,869.31 | **Hole Size:** | NQ |
| **Start Date:** | Oct 18, 2019 | **Elev:** | -538.81 | **Hole Type:** | DDH |
| **Completed Date:** | Nov 15, 2019 | **Collar Dip:** | -60.05 | **Casing:** | No |
| **Contractor:** | G4 Forage Drilling | **Collar Az:** | 180.77 | **Cemented:** | Yes |
| **Core Storage:** | Lac des Iles Minesite-cross piles | **Destination Coordinates Grid:** | UTM83-16 | **Collar Survey:** | N |
| **Units:** | METRIC | **North:** | 5,449,488.05 | **Plugged:** | N |
| **Start Log:** | Oct 28, 2019 | **East:** | 309,233.69 | **Multishot Survey:** | N |
| **End Log:** | Nov 27, 2019 | **Elev:** | -538.81 | **Pulse EM Survey:** | N |
| **Logged By 1:** | Justin Jonsson | **Claim:** | 252 | **EOH:** | 765.00 |
| | | | | **Artesian Cond:** | No |
| | | | | **Abandon Reason:** | drill rods stuck in hole |

**Comments:** Block error - no block at 75m, 75m block actually at 78m. Corrected at rod pull at 285m.

L. Fay (421.80-471.66m; 623-765m)

Drill Hole: 19-702A was renamed to: 19-702z through Fusion Client by kchovancak on 2019-11-18 07:32:03 Drill Hole: 19-702z was renamed to: 19-702A through Fusion Client by kchovancak on 2019-11-18 14:56:40 Drill Hole: 19-702A was renamed to: 19-702z through Fusion Client by kchovancak on 2019-12-04 15:01:23

## Detailed Lithology

| From | To | Lithology |
|---|---|---|
| 0.00 | 90.10 | **GAB-Vt**<br>Varitextured gabbro. Dull medium green & white. Dominantly pegmatitic to 15m, dominantly medium grained below. Massive. Consistent weak to mod chl/act alt throughout. 4% <1m felsic and magnetic (0-60 kappa) mafic dikes throughout (~50/50). Bottom contact defined by appearance of breccia. <2 kappa throughout aside from mafic dikes. Trace |

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104485 | ASSAY | TB19278463 | 0.00 | 1.00 | 1.00 | 0.258 | 0.069 | 0.018 | 0.010 | 0.030 | 0.004 |
| KK19-104486 | ASSAY | TB19278463 | 1.00 | 2.00 | 1.00 | 0.313 | 0.082 | 0.016 | 0.010 | 0.033 | 0.004 |
| KK19-104488 | ASSAY | TB19278463 | 2.00 | 3.00 | 1.00 | 0.199 | 0.064 | 0.014 | 0.010 | 0.029 | 0.004 |
| KK19-104489 | ASSAY | TB19278463 | 3.00 | 4.00 | 1.00 | 0.189 | 0.063 | 0.010 | 0.010 | 0.030 | 0.004 |
| KK19-104490 | ASSAY | TB19278463 | 4.00 | 5.00 | 1.00 | 0.288 | 0.064 | 0.016 | 0.014 | 0.033 | 0.004 |
| KK19-104491 | ASSAY | TB19278463 | 5.00 | 6.00 | 1.00 | 0.114 | 0.059 | 0.016 | 0.014 | 0.025 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | po+cpy to 66.34. 0.5% blebby po+cpy+pn at 66.34-90.1 (including 10% net-texture at 66.34-66.64. | KK19-104492 | ASSAY | TB19278463 | 6.00 | 7.00 | 1.00 | 0.342 | 0.082 | 0.022 | 0.016 | 0.027 | 0.003 |
| | | | KK19-104493 | ASSAY | TB19278463 | 7.00 | 8.00 | 1.00 | 0.172 | 0.028 | 0.030 | 0.028 | 0.017 | 0.004 |
| | | | KK19-104494 | ASSAY | TB19278463 | 8.00 | 9.00 | 1.00 | 0.388 | 0.073 | 0.031 | 0.024 | 0.039 | 0.004 |
| | | | KK19-104495 | ASSAY | TB19278463 | 9.00 | 10.00 | 1.00 | 1.310 | 0.143 | 0.057 | 0.061 | 0.125 | 0.006 |
| | | | KK19-104496 | ASSAY | TB19278463 | 10.00 | 11.00 | 1.00 | 0.188 | 0.064 | 0.019 | 0.014 | 0.026 | 0.003 |
| | | | KK19-104497 | ASSAY | TB19278463 | 11.00 | 12.00 | 1.00 | 0.301 | 0.072 | 0.024 | 0.012 | 0.032 | 0.004 |
| | | | KK19-104498 | ASSAY | TB19278463 | 12.00 | 13.00 | 1.00 | 0.163 | 0.060 | 0.016 | 0.014 | 0.028 | 0.003 |
| | | | KK19-104499 | ASSAY | TB19278463 | 13.00 | 14.00 | 1.00 | 0.125 | 0.056 | 0.015 | 0.011 | 0.025 | 0.003 |
| | | | KK19-104500 | ASSAY | TB19278463 | 14.00 | 15.00 | 1.00 | 0.147 | 0.070 | 0.017 | 0.014 | 0.022 | 0.003 |
| | | | KK19-104501 | ASSAY | TB19278463 | 15.00 | 16.00 | 1.00 | 0.495 | 0.118 | 0.018 | 0.013 | 0.045 | 0.006 |
| | | | KK19-104502 | ASSAY | TB19278463 | 16.00 | 17.00 | 1.00 | 0.545 | 0.162 | 0.034 | 0.013 | 0.043 | 0.005 |
| | | | KK19-104503 | ASSAY | TB19278463 | 17.00 | 18.00 | 1.00 | 0.181 | 0.065 | 0.013 | 0.011 | 0.027 | 0.003 |
| | | | KK19-104504 | ASSAY | TB19278463 | 18.00 | 19.00 | 1.00 | 0.402 | 0.109 | 0.017 | 0.008 | 0.041 | 0.005 |
| | | | KK19-104505 | ASSAY | TB19278463 | 19.00 | 20.00 | 1.00 | 0.368 | 0.064 | 0.011 | 0.008 | 0.056 | 0.007 |
| | | | KK19-104506 | ASSAY | TB19278463 | 20.00 | 21.00 | 1.00 | 0.190 | 0.043 | 0.011 | 0.011 | 0.048 | 0.006 |
| | | | KK19-104508 | ASSAY | TB19278463 | 21.00 | 22.00 | 1.00 | 0.208 | 0.046 | 0.008 | 0.011 | 0.049 | 0.006 |
| | | | KK19-104509 | ASSAY | TB19278463 | 22.00 | 23.00 | 1.00 | 0.172 | 0.036 | 0.004 | 0.009 | 0.037 | 0.005 |
| | | | KK19-104510 | ASSAY | TB19278463 | 23.00 | 24.00 | 1.00 | 0.197 | 0.048 | 0.003 | 0.009 | 0.040 | 0.005 |
| | | | KK19-104511 | ASSAY | TB19278463 | 24.00 | 25.00 | 1.00 | 0.378 | 0.078 | 0.009 | 0.011 | 0.047 | 0.005 |
| | | | KK19-104512 | ASSAY | TB19278463 | 25.00 | 26.00 | 1.00 | 0.324 | 0.061 | 0.040 | 0.012 | 0.042 | 0.005 |
| | | | KK19-104513 | ASSAY | TB19278463 | 26.00 | 27.00 | 1.00 | 0.741 | 0.178 | 0.016 | 0.013 | 0.037 | 0.004 |
| | | | KK19-104514 | ASSAY | TB19278463 | 27.00 | 28.00 | 1.00 | 0.248 | 0.068 | 0.006 | 0.008 | 0.033 | 0.004 |
| | | | KK19-104515 | ASSAY | TB19278463 | 28.00 | 29.00 | 1.00 | 0.172 | 0.035 | 0.144 | 0.021 | 0.025 | 0.004 |
| | | | KK19-104516 | ASSAY | TB19278463 | 29.00 | 30.00 | 1.00 | 0.429 | 0.118 | 0.025 | 0.024 | 0.049 | 0.006 |
| | | | KK19-104517 | ASSAY | TB19278463 | 30.00 | 31.00 | 1.00 | 0.382 | 0.062 | 0.111 | 0.190 | 0.065 | 0.005 |
| | | | KK19-104518 | ASSAY | TB19278463 | 31.00 | 32.00 | 1.00 | 0.481 | 0.087 | 0.009 | 0.012 | 0.035 | 0.004 |
| | | | KK19-104519 | ASSAY | TB19278463 | 32.00 | 33.00 | 1.00 | 0.196 | 0.064 | 0.008 | 0.009 | 0.030 | 0.004 |
| | | | KK19-104520 | ASSAY | TB19278463 | 33.00 | 34.00 | 1.00 | 0.178 | 0.056 | 0.010 | 0.012 | 0.030 | 0.004 |
| | | | KK19-104521 | ASSAY | TB19278463 | 34.00 | 35.00 | 1.00 | 0.145 | 0.053 | 0.010 | 0.009 | 0.029 | 0.004 |
| | | | KK19-104522 | ASSAY | TB19278463 | 35.00 | 36.00 | 1.00 | 0.200 | 0.060 | 0.012 | 0.010 | 0.030 | 0.004 |
| | | | KK19-104523 | ASSAY | TB19278463 | 36.00 | 37.00 | 1.00 | 0.179 | 0.054 | 0.011 | 0.012 | 0.024 | 0.003 |
| | | | KK19-104527 | ASSAY | TB19285880 | 37.00 | 38.00 | 1.00 | 0.151 | 0.031 | 0.007 | 0.009 | 0.021 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104528 | ASSAY | TB19285880 | 38.00 | 39.00 | 1.00 | 0.170 | 0.039 | 0.009 | 0.009 | 0.027 | 0.004 |
| | | | KK19-104529 | ASSAY | TB19285880 | 39.00 | 40.00 | 1.00 | 0.172 | 0.047 | 0.013 | 0.011 | 0.028 | 0.004 |
| | | | KK19-104530 | ASSAY | TB19285880 | 40.00 | 41.00 | 1.00 | 0.123 | 0.049 | 0.014 | 0.018 | 0.027 | 0.003 |
| | | | KK19-104531 | ASSAY | TB19285880 | 41.00 | 42.00 | 1.00 | 0.244 | 0.052 | 0.008 | 0.009 | 0.026 | 0.003 |
| | | | KK19-104532 | ASSAY | TB19285880 | 42.00 | 43.00 | 1.00 | 0.299 | 0.077 | 0.014 | 0.014 | 0.039 | 0.006 |
| | | | KK19-104533 | ASSAY | TB19285880 | 43.00 | 44.00 | 1.00 | 0.170 | 0.050 | 0.008 | 0.010 | 0.036 | 0.005 |
| | | | KK19-104534 | ASSAY | TB19285880 | 44.00 | 45.00 | 1.00 | 0.210 | 0.050 | 0.014 | 0.013 | 0.031 | 0.004 |
| | | | KK19-104535 | ASSAY | TB19285880 | 45.00 | 46.00 | 1.00 | 0.163 | 0.045 | 0.010 | 0.009 | 0.032 | 0.004 |
| | | | KK19-104536 | ASSAY | TB19285880 | 46.00 | 47.00 | 1.00 | 0.171 | 0.046 | 0.007 | 0.009 | 0.036 | 0.005 |
| | | | KK19-104537 | ASSAY | TB19285880 | 47.00 | 48.00 | 1.00 | 0.195 | 0.043 | 0.008 | 0.009 | 0.037 | 0.005 |
| | | | KK19-104538 | ASSAY | TB19285880 | 48.00 | 49.00 | 1.00 | 0.250 | 0.048 | 0.015 | 0.012 | 0.041 | 0.005 |
| | | | KK19-104539 | ASSAY | TB19285880 | 49.00 | 50.00 | 1.00 | 0.257 | 0.041 | 0.010 | 0.012 | 0.043 | 0.006 |
| | | | KK19-104540 | ASSAY | TB19285880 | 50.00 | 51.00 | 1.00 | 0.193 | 0.028 | 0.013 | 0.012 | 0.044 | 0.006 |
| | | | KK19-104541 | ASSAY | TB19285880 | 51.00 | 52.00 | 1.00 | 0.158 | 0.020 | 0.006 | 0.008 | 0.040 | 0.005 |
| | | | KK19-104542 | ASSAY | TB19285880 | 52.00 | 53.00 | 1.00 | 0.240 | 0.027 | 0.005 | 0.009 | 0.051 | 0.006 |
| | | | KK19-104543 | ASSAY | TB19285880 | 53.00 | 54.00 | 1.00 | 0.291 | 0.030 | 0.005 | 0.009 | 0.056 | 0.007 |
| | | | KK19-104544 | ASSAY | TB19285880 | 54.00 | 55.00 | 1.00 | 0.267 | 0.028 | 0.004 | 0.008 | 0.050 | 0.006 |
| | | | KK19-104546 | ASSAY | TB19285880 | 55.00 | 56.00 | 1.00 | 0.187 | 0.033 | 0.008 | 0.011 | 0.037 | 0.005 |
| | | | KK19-104547 | ASSAY | TB19285880 | 56.00 | 57.00 | 1.00 | 0.382 | 0.052 | 0.035 | 0.030 | 0.047 | 0.005 |
| | | | KK19-104548 | ASSAY | TB19285880 | 57.00 | 58.00 | 1.00 | 0.891 | 0.107 | 0.050 | 0.035 | 0.074 | 0.007 |
| | | | KK19-104549 | ASSAY | TB19285880 | 58.00 | 59.00 | 1.00 | 0.277 | 0.058 | 0.009 | 0.054 | 0.045 | 0.005 |
| | | | KK19-104550 | ASSAY | TB19285880 | 59.00 | 60.00 | 1.00 | 0.622 | 0.070 | 0.020 | 0.037 | 0.060 | 0.006 |
| | | | KK19-104551 | ASSAY | TB19285880 | 60.00 | 61.00 | 1.00 | 0.195 | 0.036 | 0.008 | 0.014 | 0.048 | 0.006 |
| | | | KK19-104552 | ASSAY | TB19285880 | 61.00 | 62.00 | 1.00 | 0.961 | 0.140 | 0.019 | 0.044 | 0.149 | 0.010 |
| | | | KK19-104553 | ASSAY | TB19285880 | 62.00 | 63.00 | 1.00 | 0.187 | 0.037 | 0.003 | 0.011 | 0.049 | 0.006 |
| | | | KK19-104554 | ASSAY | TB19285880 | 63.00 | 64.00 | 1.00 | 0.193 | 0.039 | 0.004 | 0.006 | 0.046 | 0.006 |
| | | | KK19-104555 | ASSAY | TB19285880 | 64.00 | 65.00 | 1.00 | 0.295 | 0.044 | 0.011 | 0.017 | 0.046 | 0.006 |
| | | | KK19-104556 | ASSAY | TB19285880 | 65.00 | 66.00 | 1.00 | 0.167 | 0.035 | 0.005 | 0.007 | 0.044 | 0.006 |
| | | | KK19-104557 | ASSAY | TB19285880 | 66.00 | 67.00 | 1.00 | 4.220 | 0.191 | 0.092 | 0.178 | 0.542 | 0.023 |
| | | | KK19-104558 | ASSAY | TB19285880 | 67.00 | 68.00 | 1.00 | 0.212 | 0.051 | 0.018 | 0.021 | 0.059 | 0.007 |
| | | | KK19-104559 | ASSAY | TB19285880 | 68.00 | 69.00 | 1.00 | 0.162 | 0.047 | 0.009 | 0.016 | 0.050 | 0.006 |
| | | | KK19-104560 | ASSAY | TB19285880 | 69.00 | 70.00 | 1.00 | 0.150 | 0.042 | 0.002 | 0.005 | 0.049 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104561 | ASSAY | TB19285880 | 70.00 | 71.00 | 1.00 | 0.311 | 0.047 | 0.013 | 0.026 | 0.041 | 0.005 |
| | | | KK19-104562 | ASSAY | TB19285880 | 71.00 | 72.00 | 1.00 | 2.090 | 0.259 | 0.083 | 0.093 | 0.117 | 0.006 |
| | | | KK19-104563 | ASSAY | TB19285880 | 72.00 | 73.00 | 1.00 | 3.390 | 0.338 | 0.145 | 0.164 | 0.228 | 0.009 |
| | | | KK19-104564 | ASSAY | TB19285880 | 73.00 | 74.00 | 1.00 | 0.310 | 0.037 | 0.023 | 0.017 | 0.034 | 0.003 |
| | | | KK19-104566 | ASSAY | TB19285880 | 74.00 | 75.00 | 1.00 | 0.400 | 0.047 | 0.073 | 0.035 | 0.062 | 0.007 |
| | | | KK19-104567 | ASSAY | TB19285880 | 75.00 | 76.00 | 1.00 | 2.690 | 0.305 | 0.238 | 0.120 | 0.169 | 0.007 |
| | | | KK19-104568 | ASSAY | TB19285880 | 76.00 | 77.00 | 1.00 | 0.112 | 0.019 | 0.033 | 0.026 | 0.043 | 0.005 |
| | | | KK19-104569 | ASSAY | TB19285880 | 77.00 | 78.00 | 1.00 | 0.800 | 0.064 | 0.112 | 0.060 | 0.073 | 0.005 |
| | | | KK19-104570 | ASSAY | TB19285880 | 78.00 | 79.00 | 1.00 | 1.840 | 0.337 | 0.378 | 0.101 | 0.116 | 0.007 |
| | | | KK19-104571 | ASSAY | TB19285880 | 79.00 | 80.00 | 1.00 | 0.525 | 0.053 | 0.093 | 0.051 | 0.057 | 0.005 |
| | | | KK19-104572 | ASSAY | TB19285880 | 80.00 | 81.00 | 1.00 | 0.981 | 0.077 | 0.104 | 0.080 | 0.087 | 0.006 |
| | | | KK19-104573 | ASSAY | TB19285880 | 81.00 | 82.00 | 1.00 | 0.949 | 0.067 | 0.228 | 0.063 | 0.076 | 0.005 |
| | | | KK19-104574 | ASSAY | TB19285880 | 82.00 | 83.00 | 1.00 | 0.752 | 0.075 | 0.064 | 0.047 | 0.077 | 0.006 |
| | | | KK19-104575 | ASSAY | TB19285880 | 83.00 | 84.00 | 1.00 | 1.560 | 0.129 | 0.159 | 0.067 | 0.087 | 0.005 |
| | | | KK19-104576 | ASSAY | TB19285880 | 84.00 | 85.00 | 1.00 | 1.220 | 0.110 | 0.111 | 0.079 | 0.075 | 0.006 |
| | | | KK19-104577 | ASSAY | TB19285880 | 85.00 | 86.00 | 1.00 | 1.780 | 0.158 | 0.173 | 0.122 | 0.120 | 0.007 |
| | | | KK19-104578 | ASSAY | TB19285880 | 86.00 | 87.00 | 1.00 | 3.960 | 0.275 | 0.491 | 0.232 | 0.208 | 0.008 |
| | | | KK19-104579 | ASSAY | TB19285880 | 87.00 | 88.00 | 1.00 | 2.360 | 0.184 | 0.299 | 0.122 | 0.135 | 0.007 |
| | | | KK19-104580 | ASSAY | TB19285880 | 88.00 | 89.00 | 1.00 | 1.640 | 0.124 | 0.042 | 0.068 | 0.106 | 0.006 |
| | | | KK19-104581 | ASSAY | TB19285880 | 89.00 | 90.10 | 1.10 | 1.700 | 0.125 | 0.060 | 0.115 | 0.109 | 0.007 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90.10 | 108.18 | **GAB-VBx**<br>Varitextured gabbro breccia. Green-grey & white. 75% GABVT clasts, 20% non-mag mafic matrix, 5% plag-qtz-bt dikelets (few look like clasts but majority have sharp straight angles. Dominantly massive, intermittent local foliation at highly variable angles. Consistent fresh to weak alt. Top contact defined by appearance of mafic material (~65 deg). <2 kappa throughout. 0.5% po+cpy+pn to 93.72, trace po+cpy below. | KK19-104582 | ASSAY | TB19285880 | 90.10 | 91.00 | 0.90 | 1.320 | 0.113 | 0.052 | 0.080 | 0.095 | 0.006 |
| | | | KK19-104583 | ASSAY | TB19285880 | 91.00 | 92.00 | 1.00 | 2.390 | 0.172 | 0.130 | 0.113 | 0.137 | 0.007 |
| | | | KK19-104584 | ASSAY | TB19285880 | 92.00 | 93.00 | 1.00 | 1.040 | 0.111 | 0.060 | 0.064 | 0.069 | 0.006 |
| | | | KK19-104586 | ASSAY | TB19285880 | 93.00 | 94.00 | 1.00 | 1.370 | 0.108 | 0.088 | 0.074 | 0.088 | 0.006 |
| | | | KK19-104587 | ASSAY | TB19285880 | 94.00 | 95.00 | 1.00 | 0.340 | 0.022 | 0.015 | 0.020 | 0.044 | 0.005 |
| | | | KK19-104588 | ASSAY | TB19285880 | 95.00 | 96.00 | 1.00 | 0.321 | 0.019 | 0.026 | 0.033 | 0.034 | 0.004 |
| | | | KK19-104589 | ASSAY | TB19285880 | 96.00 | 97.00 | 1.00 | 0.298 | 0.025 | 0.037 | 0.034 | 0.035 | 0.005 |
| | | | KK19-104590 | ASSAY | TB19285880 | 97.00 | 98.00 | 1.00 | 0.179 | 0.012 | 0.019 | 0.025 | 0.030 | 0.004 |
| | | | KK19-104591 | ASSAY | TB19285880 | 98.00 | 99.00 | 1.00 | 0.309 | 0.019 | 0.010 | 0.030 | 0.027 | 0.004 |
| | | | KK19-104592 | ASSAY | TB19285880 | 99.00 | 100.00 | 1.00 | 0.420 | 0.031 | 0.011 | 0.027 | 0.027 | 0.004 |
| | | | KK19-104593 | ASSAY | TB19285880 | 100.00 | 101.00 | 1.00 | 0.215 | 0.015 | 0.012 | 0.023 | 0.019 | 0.002 |
| | | | KK19-104594 | ASSAY | TB19285880 | 101.00 | 102.00 | 1.00 | 0.928 | 0.054 | 0.012 | 0.036 | 0.041 | 0.003 |
| | | | KK19-104595 | ASSAY | TB19285880 | 102.00 | 103.00 | 1.00 | 0.228 | 0.018 | 0.023 | 0.019 | 0.013 | 0.001 |
| | | | KK19-104596 | ASSAY | TB19285880 | 103.00 | 104.00 | 1.00 | 0.140 | 0.012 | 0.008 | 0.013 | 0.009 | 0.001 |
| | | | KK19-104597 | ASSAY | TB19285880 | 104.00 | 105.00 | 1.00 | 0.006 | 0.003 | 0.003 | 0.011 | 0.007 | 0.003 |
| | | | KK19-104598 | ASSAY | TB19285880 | 105.00 | 106.00 | 1.00 | 0.014 | 0.003 | 0.003 | 0.020 | 0.015 | 0.005 |
| | | | KK19-104599 | ASSAY | TB19285880 | 106.00 | 107.00 | 1.00 | 0.017 | 0.003 | 0.010 | 0.029 | 0.015 | 0.005 |
| | | | KK19-104600 | ASSAY | TB19285880 | 107.00 | 108.18 | 1.18 | 0.063 | 0.006 | 0.007 | 0.019 | 0.018 | 0.005 |
| 108.18 | 114.78 | **DIKE-Felsic**<br>Felsic dike. Could be MBI quartz diorite? Logged as dike due to cooked alt above, somewhat wispy contacts, and similarity of overlying and underlying GABVT units. White/grey. 60% plag/30% qtz/10% bt to 109.7, below which yields only trace quartz. Massive. Dominantly medium-grained. Top contact at rubbly section, bottom contact sharp and straight. Trace pyrite. | KK19-104601 | ASSAY | TB19285880 | 108.18 | 109.00 | 0.82 | 0.793 | 0.039 | 0.017 | 0.038 | 0.051 | 0.004 |
| | | | KK19-104605 | ASSAY | TB19285881 | 109.00 | 110.00 | 1.00 | 0.071 | 0.003 | 0.003 | 0.005 | 0.003 | 0.001 |
| | | | KK19-104606 | ASSAY | TB19285881 | 110.00 | 111.00 | 1.00 | 0.047 | 0.003 | 0.001 | 0.006 | 0.003 | 0.001 |
| | | | KK19-104607 | ASSAY | TB19285881 | 111.00 | 112.00 | 1.00 | 0.131 | 0.006 | 0.011 | 0.009 | 0.004 | 0.002 |
| | | | KK19-104608 | ASSAY | TB19285881 | 112.00 | 113.00 | 1.00 | 0.034 | 0.003 | 0.001 | 0.002 | 0.002 | 0.001 |
| | | | KK19-104609 | ASSAY | TB19285881 | 113.00 | 114.00 | 1.00 | 0.037 | 0.003 | 0.001 | 0.003 | 0.004 | 0.000 |
| | | | KK19-104610 | ASSAY | TB19285881 | 114.00 | 114.78 | 0.78 | 0.012 | 0.003 | 0.002 | 0.006 | 0.015 | 0.004 |
| 114.78 | 117.51 | **DIKE-Mafic**<br>Mafic dike. Dark grey, massive, aphanitic. Felsic dike at 112.78-113.45, 5% <5cm felsic dikelets throughout. Sharp contacts at ~55 deg (top = straight, bottom = wavy). No visible sulfides. | KK19-104611 | ASSAY | TB19285881 | 114.78 | 116.00 | 1.22 | 0.010 | 0.003 | 0.002 | 0.007 | 0.013 | 0.003 |
| | | | KK19-104612 | ASSAY | TB19285881 | 116.00 | 117.00 | 1.00 | 0.008 | 0.003 | 0.001 | 0.005 | 0.013 | 0.003 |
| | | | KK19-104613 | ASSAY | TB19285881 | 117.00 | 117.51 | 0.51 | 0.018 | 0.003 | 0.003 | 0.009 | 0.021 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117.51 | 128.23 | **GAB-Vt**<br>Varitextured gabbro. Dark grey/white. Massive. Fresh to weakly chl/act altered. Fine to medium grained. Sharp contacts at 40-50 deg (top = wavy, bottom = straight). Felsic dike at 117.8-118.22. Healed fault at 123.57-124.70, including active fault w/ gouge at 123.7-123.8. Trace po+cpy and py throughout, aside from 0.5% po+cpy at 121.66-123.2. | KK19-104614 | ASSAY | TB19285881 | 117.51 | 119.00 | 1.49 | 0.166 | 0.010 | 0.004 | 0.020 | 0.028 | 0.005 |
| | | | KK19-104615 | ASSAY | TB19285881 | 119.00 | 120.00 | 1.00 | 0.032 | 0.006 | 0.005 | 0.018 | 0.022 | 0.004 |
| | | | KK19-104616 | ASSAY | TB19285881 | 120.00 | 121.00 | 1.00 | 0.019 | 0.003 | 0.007 | 0.013 | 0.019 | 0.003 |
| | | | KK19-104617 | ASSAY | TB19285881 | 121.00 | 122.00 | 1.00 | 0.136 | 0.033 | 0.012 | 0.029 | 0.034 | 0.004 |
| | | | KK19-104618 | ASSAY | TB19285881 | 122.00 | 123.00 | 1.00 | 0.774 | 0.097 | 0.024 | 0.048 | 0.052 | 0.005 |
| | | | KK19-104619 | ASSAY | TB19285881 | 123.00 | 124.00 | 1.00 | 0.519 | 0.059 | 0.021 | 0.035 | 0.060 | 0.005 |
| | | | KK19-104620 | ASSAY | TB19285881 | 124.00 | 125.00 | 1.00 | 1.020 | 0.174 | 0.026 | 0.030 | 0.102 | 0.006 |
| | | | KK19-104621 | ASSAY | TB19285881 | 125.00 | 126.00 | 1.00 | 1.470 | 0.217 | 0.026 | 0.060 | 0.089 | 0.006 |
| | | | KK19-104622 | ASSAY | TB19285881 | 126.00 | 127.00 | 1.00 | 1.210 | 0.126 | 0.050 | 0.056 | 0.081 | 0.006 |
| | | | KK19-104624 | ASSAY | TB19285881 | 127.00 | 128.23 | 1.23 | 0.692 | 0.077 | 0.007 | 0.031 | 0.058 | 0.005 |
| 128.23 | 130.20 | **DIKE-Mafic**<br>Mafic dike. Dark grey, mod fol at 15 deg, very fine grained. Slightly wavy, 35-40 deg contacts. Trace dis and cubic py. | KK19-104625 | ASSAY | TB19285881 | 128.23 | 129.00 | 0.77 | 0.037 | 0.003 | 0.005 | 0.028 | 0.008 | 0.003 |
| | | | KK19-104626 | ASSAY | TB19285881 | 129.00 | 130.20 | 1.20 | 0.040 | 0.003 | 0.005 | 0.028 | 0.007 | 0.004 |

| From | To | Lithology |
|---|---|---|
| 130.20 | 319.36 | **GAB-Vt** |

Varitextured gabbro. Patchily melanocratic throughout, most notably at 158-176, 192-209,254-264 (~60% of zones melanocratic). Dull green/grey. Massive. Consistent weak to moderate chl/act alt. Dominantly coarse grained to ~158m, dominantly fine to medium grained below. Upper contact sharp and wavy at ~40 deg, bottom contact defined by appearance of breccia matrix. Trace po+cpy throughout, with several 10-25m zones between 135-195 of ~0.4-0.7% po+cpy.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104627 | ASSAY | TB19285881 | 130.20 | 131.00 | 0.80 | 0.388 | 0.066 | 0.013 | 0.022 | 0.049 | 0.004 |
| KK19-104628 | ASSAY | TB19285881 | 131.00 | 132.00 | 1.00 | 4.040 | 0.444 | 0.027 | 0.073 | 0.310 | 0.014 |
| KK19-104629 | ASSAY | TB19285881 | 132.00 | 133.00 | 1.00 | 0.466 | 0.105 | 0.010 | 0.012 | 0.045 | 0.005 |
| KK19-104630 | ASSAY | TB19285881 | 133.00 | 134.00 | 1.00 | 0.483 | 0.086 | 0.023 | 0.028 | 0.050 | 0.006 |
| KK19-104631 | ASSAY | TB19285881 | 134.00 | 135.00 | 1.00 | 0.482 | 0.069 | 0.026 | 0.019 | 0.052 | 0.006 |
| KK19-104632 | ASSAY | TB19285881 | 135.00 | 136.00 | 1.00 | 0.414 | 0.090 | 0.006 | 0.009 | 0.051 | 0.005 |
| KK19-104633 | ASSAY | TB19285881 | 136.00 | 137.00 | 1.00 | 0.910 | 0.122 | 0.043 | 0.125 | 0.072 | 0.006 |
| KK19-104634 | ASSAY | TB19285881 | 137.00 | 138.00 | 1.00 | 1.410 | 0.363 | 0.018 | 0.029 | 0.050 | 0.003 |
| KK19-104635 | ASSAY | TB19285881 | 138.00 | 139.00 | 1.00 | 1.360 | 0.256 | 0.023 | 0.101 | 0.076 | 0.004 |
| KK19-104636 | ASSAY | TB19285881 | 139.00 | 140.00 | 1.00 | 0.697 | 0.141 | 0.006 | 0.016 | 0.041 | 0.002 |
| KK19-104637 | ASSAY | TB19285881 | 140.00 | 141.00 | 1.00 | 1.520 | 0.200 | 0.056 | 0.128 | 0.119 | 0.005 |
| KK19-104638 | ASSAY | TB19285881 | 141.00 | 142.00 | 1.00 | 0.390 | 0.082 | 0.027 | 0.055 | 0.063 | 0.005 |
| KK19-104639 | ASSAY | TB19285881 | 142.00 | 143.00 | 1.00 | 0.680 | 0.100 | 0.062 | 0.099 | 0.110 | 0.007 |
| KK19-104640 | ASSAY | TB19285881 | 143.00 | 144.00 | 1.00 | 0.433 | 0.071 | 0.045 | 0.059 | 0.071 | 0.005 |
| KK19-104641 | ASSAY | TB19285881 | 144.00 | 145.00 | 1.00 | 0.279 | 0.072 | 0.022 | 0.032 | 0.056 | 0.005 |
| KK19-104642 | ASSAY | TB19285881 | 145.00 | 146.00 | 1.00 | 0.049 | 0.012 | 0.012 | 0.014 | 0.041 | 0.005 |
| KK19-104644 | ASSAY | TB19285881 | 146.00 | 147.00 | 1.00 | 0.772 | 0.129 | 0.058 | 0.139 | 0.123 | 0.007 |
| KK19-104645 | ASSAY | TB19285881 | 147.00 | 148.00 | 1.00 | 0.628 | 0.145 | 0.031 | 0.070 | 0.079 | 0.005 |
| KK19-104646 | ASSAY | TB19285881 | 148.00 | 149.00 | 1.00 | 1.300 | 0.271 | 0.026 | 0.062 | 0.075 | 0.007 |
| KK19-104647 | ASSAY | TB19285881 | 149.00 | 150.00 | 1.00 | 0.733 | 0.108 | 0.014 | 0.052 | 0.065 | 0.003 |
| KK19-104648 | ASSAY | TB19285881 | 150.00 | 151.00 | 1.00 | 1.230 | 0.229 | 0.026 | 0.070 | 0.066 | 0.004 |
| KK19-104649 | ASSAY | TB19285881 | 151.00 | 152.00 | 1.00 | 0.321 | 0.067 | 0.015 | 0.022 | 0.047 | 0.006 |
| KK19-104650 | ASSAY | TB19285881 | 152.00 | 153.00 | 1.00 | 0.375 | 0.098 | 0.012 | 0.023 | 0.045 | 0.004 |
| KK19-104651 | ASSAY | TB19285881 | 153.00 | 154.00 | 1.00 | 1.090 | 0.161 | 0.046 | 0.114 | 0.118 | 0.006 |
| KK19-104652 | ASSAY | TB19285881 | 154.00 | 155.00 | 1.00 | 0.468 | 0.097 | 0.010 | 0.014 | 0.040 | 0.003 |
| KK19-104653 | ASSAY | TB19285881 | 155.00 | 156.00 | 1.00 | 0.170 | 0.068 | 0.004 | 0.012 | 0.022 | 0.002 |
| KK19-104654 | ASSAY | TB19285881 | 156.00 | 157.00 | 1.00 | 0.184 | 0.052 | 0.005 | 0.007 | 0.032 | 0.003 |
| KK19-104655 | ASSAY | TB19285881 | 157.00 | 158.00 | 1.00 | 0.290 | 0.073 | 0.012 | 0.033 | 0.041 | 0.003 |
| KK19-104656 | ASSAY | TB19285881 | 158.00 | 159.00 | 1.00 | 0.761 | 0.153 | 0.098 | 0.078 | 0.053 | 0.003 |
| KK19-104657 | ASSAY | TB19285881 | 159.00 | 160.00 | 1.00 | 0.289 | 0.086 | 0.068 | 0.046 | 0.041 | 0.003 |
| KK19-104658 | ASSAY | TB19285881 | 160.00 | 161.00 | 1.00 | 1.600 | 0.247 | 0.119 | 0.110 | 0.125 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104659 | ASSAY | TB19285881 | 161.00 | 162.00 | 1.00 | 1.610 | 0.194 | 0.161 | 0.207 | 0.122 | 0.008 |
| | | | KK19-104660 | ASSAY | TB19285881 | 162.00 | 163.00 | 1.00 | 0.317 | 0.055 | 0.014 | 0.014 | 0.063 | 0.008 |
| | | | KK19-104661 | ASSAY | TB19285881 | 163.00 | 164.00 | 1.00 | 0.544 | 0.109 | 0.017 | 0.024 | 0.049 | 0.004 |
| | | | KK19-104662 | ASSAY | TB19285881 | 164.00 | 165.00 | 1.00 | 0.519 | 0.091 | 0.076 | 0.117 | 0.063 | 0.005 |
| | | | KK19-104664 | ASSAY | TB19285881 | 165.00 | 166.00 | 1.00 | 0.285 | 0.061 | 0.013 | 0.009 | 0.061 | 0.006 |
| | | | KK19-104665 | ASSAY | TB19285881 | 166.00 | 167.00 | 1.00 | 0.312 | 0.067 | 0.004 | 0.009 | 0.056 | 0.007 |
| | | | KK19-104666 | ASSAY | TB19285881 | 167.00 | 168.00 | 1.00 | 0.304 | 0.071 | 0.004 | 0.009 | 0.053 | 0.007 |
| | | | KK19-104667 | ASSAY | TB19285881 | 168.00 | 169.00 | 1.00 | 0.368 | 0.086 | 0.010 | 0.016 | 0.056 | 0.007 |
| | | | KK19-104668 | ASSAY | TB19285881 | 169.00 | 170.00 | 1.00 | 0.376 | 0.104 | 0.006 | 0.010 | 0.052 | 0.006 |
| | | | KK19-104669 | ASSAY | TB19285881 | 170.00 | 171.00 | 1.00 | 0.300 | 0.066 | 0.016 | 0.023 | 0.038 | 0.004 |
| | | | KK19-104670 | ASSAY | TB19285881 | 171.00 | 172.00 | 1.00 | 1.260 | 0.245 | 0.025 | 0.050 | 0.085 | 0.007 |
| | | | KK19-104671 | ASSAY | TB19285881 | 172.00 | 173.00 | 1.00 | 0.955 | 0.084 | 0.022 | 0.069 | 0.106 | 0.007 |
| | | | KK19-104672 | ASSAY | TB19285881 | 173.00 | 174.00 | 1.00 | 0.365 | 0.075 | 0.009 | 0.018 | 0.053 | 0.006 |
| | | | KK19-104673 | ASSAY | TB19285881 | 174.00 | 175.00 | 1.00 | 0.254 | 0.066 | 0.009 | 0.009 | 0.039 | 0.005 |
| | | | KK19-104674 | ASSAY | TB19285881 | 175.00 | 176.00 | 1.00 | 0.315 | 0.071 | 0.013 | 0.011 | 0.041 | 0.005 |
| | | | KK19-104675 | ASSAY | TB19285881 | 176.00 | 177.00 | 1.00 | 0.351 | 0.080 | 0.022 | 0.018 | 0.046 | 0.005 |
| | | | KK19-104676 | ASSAY | TB19285881 | 177.00 | 178.00 | 1.00 | 4.820 | 0.416 | 0.303 | 0.246 | 0.223 | 0.008 |
| | | | KK19-104677 | ASSAY | TB19285881 | 178.00 | 179.00 | 1.00 | 16.050 | 1.250 | 0.540 | 0.617 | 0.615 | 0.016 |
| | | | KK19-104678 | ASSAY | TB19285881 | 179.00 | 180.00 | 1.00 | 0.715 | 0.084 | 0.032 | 0.059 | 0.076 | 0.006 |
| | | | KK19-104679 | ASSAY | TB19285881 | 180.00 | 181.00 | 1.00 | 1.040 | 0.092 | 0.029 | 0.054 | 0.077 | 0.005 |
| | | | KK19-104683 | ASSAY | TB19284841 | 181.00 | 182.00 | 1.00 | 0.655 | 0.095 | 0.052 | 0.083 | 0.092 | 0.006 |
| | | | KK19-104684 | ASSAY | TB19284841 | 182.00 | 183.00 | 1.00 | 1.370 | 0.222 | 0.091 | 0.121 | 0.136 | 0.007 |
| | | | KK19-104685 | ASSAY | TB19284841 | 183.00 | 184.00 | 1.00 | 1.065 | 0.149 | 0.028 | 0.054 | 0.077 | 0.005 |
| | | | KK19-104686 | ASSAY | TB19284841 | 184.00 | 185.00 | 1.00 | 0.259 | 0.083 | 0.001 | 0.002 | 0.032 | 0.004 |
| | | | KK19-104687 | ASSAY | TB19284841 | 185.00 | 186.00 | 1.00 | 0.301 | 0.082 | 0.004 | 0.006 | 0.028 | 0.003 |
| | | | KK19-104688 | ASSAY | TB19284841 | 186.00 | 187.00 | 1.00 | 0.408 | 0.099 | 0.014 | 0.012 | 0.029 | 0.003 |
| | | | KK19-104689 | ASSAY | TB19284841 | 187.00 | 188.00 | 1.00 | 1.345 | 0.163 | 0.131 | 0.089 | 0.099 | 0.005 |
| | | | KK19-104690 | ASSAY | TB19284841 | 188.00 | 189.00 | 1.00 | 1.315 | 0.194 | 0.085 | 0.094 | 0.108 | 0.006 |
| | | | KK19-104691 | ASSAY | TB19284841 | 189.00 | 190.00 | 1.00 | 0.474 | 0.066 | 0.027 | 0.042 | 0.076 | 0.007 |
| | | | KK19-104692 | ASSAY | TB19284841 | 190.00 | 191.00 | 1.00 | 1.205 | 0.128 | 0.123 | 0.103 | 0.108 | 0.007 |
| | | | KK19-104693 | ASSAY | TB19284841 | 191.00 | 192.00 | 1.00 | 0.458 | 0.075 | 0.069 | 0.063 | 0.071 | 0.007 |
| | | | KK19-104694 | ASSAY | TB19284841 | 192.00 | 193.00 | 1.00 | 1.690 | 0.179 | 0.194 | 0.174 | 0.159 | 0.008 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104695 | ASSAY | TB19284841 | 193.00 | 194.00 | 1.00 | 0.912 | 0.153 | 0.059 | 0.092 | 0.089 | 0.006 |
| | | | KK19-104696 | ASSAY | TB19284841 | 194.00 | 195.00 | 1.00 | 0.809 | 0.106 | 0.060 | 0.081 | 0.092 | 0.006 |
| | | | KK19-104697 | ASSAY | TB19284841 | 195.00 | 196.00 | 1.00 | 0.512 | 0.087 | 0.051 | 0.075 | 0.073 | 0.006 |
| | | | KK19-104698 | ASSAY | TB19284841 | 196.00 | 197.00 | 1.00 | 1.095 | 0.175 | 0.055 | 0.072 | 0.105 | 0.007 |
| | | | KK19-104699 | ASSAY | TB19284841 | 197.00 | 198.00 | 1.00 | 0.645 | 0.099 | 0.076 | 0.081 | 0.099 | 0.007 |
| | | | KK19-104700 | ASSAY | TB19284841 | 198.00 | 199.00 | 1.00 | 0.168 | 0.031 | 0.022 | 0.028 | 0.040 | 0.005 |
| | | | KK19-104702 | ASSAY | TB19284841 | 199.00 | 200.00 | 1.00 | 0.657 | 0.077 | 0.034 | 0.042 | 0.054 | 0.006 |
| | | | KK19-104703 | ASSAY | TB19284841 | 200.00 | 201.00 | 1.00 | 0.018 | 0.007 | 0.007 | 0.016 | 0.029 | 0.005 |
| | | | KK19-104704 | ASSAY | TB19284841 | 201.00 | 202.00 | 1.00 | 0.019 | 0.003 | 0.008 | 0.016 | 0.029 | 0.005 |
| | | | KK19-104705 | ASSAY | TB19284841 | 202.00 | 203.00 | 1.00 | 0.033 | 0.010 | 0.011 | 0.019 | 0.037 | 0.006 |
| | | | KK19-104706 | ASSAY | TB19284841 | 203.00 | 204.00 | 1.00 | 0.055 | 0.019 | 0.014 | 0.020 | 0.033 | 0.006 |
| | | | KK19-104707 | ASSAY | TB19284841 | 204.00 | 205.00 | 1.00 | 0.112 | 0.030 | 0.024 | 0.026 | 0.038 | 0.006 |
| | | | KK19-104708 | ASSAY | TB19284841 | 205.00 | 206.00 | 1.00 | 0.356 | 0.071 | 0.018 | 0.017 | 0.036 | 0.006 |
| | | | KK19-104709 | ASSAY | TB19284841 | 206.00 | 207.00 | 1.00 | 0.479 | 0.090 | 0.083 | 0.051 | 0.070 | 0.007 |
| | | | KK19-104710 | ASSAY | TB19284841 | 207.00 | 208.00 | 1.00 | 0.319 | 0.053 | 0.016 | 0.019 | 0.047 | 0.007 |
| | | | KK19-104711 | ASSAY | TB19284841 | 208.00 | 209.00 | 1.00 | 0.243 | 0.091 | 0.007 | 0.013 | 0.038 | 0.006 |
| | | | KK19-104712 | ASSAY | TB19284841 | 209.00 | 210.00 | 1.00 | 0.228 | 0.086 | 0.005 | 0.010 | 0.039 | 0.006 |
| | | | KK19-104713 | ASSAY | TB19284841 | 210.00 | 211.00 | 1.00 | 0.324 | 0.092 | 0.005 | 0.010 | 0.045 | 0.006 |
| | | | KK19-104714 | ASSAY | TB19284841 | 211.00 | 212.00 | 1.00 | 0.466 | 0.094 | 0.014 | 0.011 | 0.053 | 0.006 |
| | | | KK19-104715 | ASSAY | TB19284841 | 212.00 | 213.00 | 1.00 | 0.339 | 0.077 | 0.013 | 0.011 | 0.056 | 0.007 |
| | | | KK19-104716 | ASSAY | TB19284841 | 213.00 | 214.00 | 1.00 | 0.423 | 0.085 | 0.024 | 0.013 | 0.059 | 0.007 |
| | | | KK19-104717 | ASSAY | TB19284841 | 214.00 | 215.00 | 1.00 | 0.534 | 0.079 | 0.035 | 0.016 | 0.064 | 0.007 |
| | | | KK19-104718 | ASSAY | TB19284841 | 215.00 | 216.00 | 1.00 | 0.532 | 0.074 | 0.027 | 0.033 | 0.067 | 0.006 |
| | | | KK19-104719 | ASSAY | TB19284841 | 216.00 | 217.00 | 1.00 | 0.256 | 0.047 | 0.014 | 0.022 | 0.054 | 0.005 |
| | | | KK19-104720 | ASSAY | TB19284841 | 217.00 | 218.00 | 1.00 | 0.430 | 0.063 | 0.013 | 0.021 | 0.058 | 0.006 |
| | | | KK19-104722 | ASSAY | TB19284841 | 218.00 | 219.00 | 1.00 | 0.660 | 0.110 | 0.041 | 0.071 | 0.069 | 0.006 |
| | | | KK19-104723 | ASSAY | TB19284841 | 219.00 | 220.00 | 1.00 | 0.377 | 0.052 | 0.024 | 0.046 | 0.069 | 0.006 |
| | | | KK19-104724 | ASSAY | TB19284841 | 220.00 | 221.00 | 1.00 | 0.258 | 0.053 | 0.010 | 0.018 | 0.044 | 0.005 |
| | | | KK19-104725 | ASSAY | TB19284841 | 221.00 | 222.00 | 1.00 | 0.639 | 0.107 | 0.017 | 0.038 | 0.060 | 0.007 |
| | | | KK19-104726 | ASSAY | TB19284841 | 222.00 | 223.00 | 1.00 | 0.257 | 0.068 | 0.056 | 0.063 | 0.067 | 0.007 |
| | | | KK19-104727 | ASSAY | TB19284841 | 223.00 | 224.00 | 1.00 | 0.637 | 0.111 | 0.079 | 0.070 | 0.082 | 0.007 |
| | | | KK19-104728 | ASSAY | TB19284841 | 224.00 | 225.00 | 1.00 | 0.344 | 0.069 | 0.042 | 0.067 | 0.071 | 0.007 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104729 | ASSAY | TB19284841 | 225.00 | 226.00 | 1.00 | 0.154 | 0.031 | 0.026 | 0.037 | 0.048 | 0.006 |
| | | | KK19-104730 | ASSAY | TB19284841 | 226.00 | 227.00 | 1.00 | 0.189 | 0.034 | 0.022 | 0.112 | 0.049 | 0.006 |
| | | | KK19-104731 | ASSAY | TB19284841 | 227.00 | 228.00 | 1.00 | 0.302 | 0.038 | 0.025 | 0.048 | 0.045 | 0.005 |
| | | | KK19-104732 | ASSAY | TB19284841 | 228.00 | 229.00 | 1.00 | 0.192 | 0.028 | 0.017 | 0.029 | 0.041 | 0.005 |
| | | | KK19-104733 | ASSAY | TB19284841 | 229.00 | 230.00 | 1.00 | 0.450 | 0.041 | 0.022 | 0.036 | 0.048 | 0.005 |
| | | | KK19-104734 | ASSAY | TB19284841 | 230.00 | 231.00 | 1.00 | 0.109 | 0.023 | 0.015 | 0.033 | 0.044 | 0.005 |
| | | | KK19-104735 | ASSAY | TB19284841 | 231.00 | 232.00 | 1.00 | 0.076 | 0.017 | 0.008 | 0.022 | 0.036 | 0.005 |
| | | | KK19-104736 | ASSAY | TB19284841 | 232.00 | 233.00 | 1.00 | 0.141 | 0.036 | 0.013 | 0.023 | 0.045 | 0.006 |
| | | | KK19-104737 | ASSAY | TB19284841 | 233.00 | 234.00 | 1.00 | 0.087 | 0.019 | 0.014 | 0.030 | 0.039 | 0.005 |
| | | | KK19-104738 | ASSAY | TB19284841 | 234.00 | 235.00 | 1.00 | 0.057 | 0.011 | 0.015 | 0.020 | 0.037 | 0.004 |
| | | | KK19-104739 | ASSAY | TB19284841 | 235.00 | 236.00 | 1.00 | 0.151 | 0.030 | 0.025 | 0.038 | 0.054 | 0.005 |
| | | | KK19-104740 | ASSAY | TB19284841 | 236.00 | 237.00 | 1.00 | 0.146 | 0.030 | 0.020 | 0.045 | 0.045 | 0.005 |
| | | | KK19-104742 | ASSAY | TB19284841 | 237.00 | 238.00 | 1.00 | 0.091 | 0.026 | 0.014 | 0.030 | 0.042 | 0.006 |
| | | | KK19-104743 | ASSAY | TB19284841 | 238.00 | 239.00 | 1.00 | 0.073 | 0.014 | 0.016 | 0.028 | 0.040 | 0.005 |
| | | | KK19-104744 | ASSAY | TB19284841 | 239.00 | 240.00 | 1.00 | 0.633 | 0.080 | 0.040 | 0.064 | 0.076 | 0.006 |
| | | | KK19-104745 | ASSAY | TB19284841 | 240.00 | 241.00 | 1.00 | 0.242 | 0.043 | 0.022 | 0.039 | 0.066 | 0.006 |
| | | | KK19-104746 | ASSAY | TB19284841 | 241.00 | 242.00 | 1.00 | 0.526 | 0.105 | 0.049 | 0.076 | 0.100 | 0.007 |
| | | | KK19-104747 | ASSAY | TB19284841 | 242.00 | 243.00 | 1.00 | 0.373 | 0.041 | 0.035 | 0.036 | 0.050 | 0.006 |
| | | | KK19-104748 | ASSAY | TB19284841 | 243.00 | 244.00 | 1.00 | 0.238 | 0.043 | 0.012 | 0.030 | 0.056 | 0.005 |
| | | | KK19-104749 | ASSAY | TB19284841 | 244.00 | 245.00 | 1.00 | 0.381 | 0.063 | 0.029 | 0.060 | 0.066 | 0.005 |
| | | | KK19-104750 | ASSAY | TB19284841 | 245.00 | 246.00 | 1.00 | 0.776 | 0.092 | 0.045 | 0.081 | 0.091 | 0.006 |
| | | | KK19-104751 | ASSAY | TB19284841 | 246.00 | 247.00 | 1.00 | 0.533 | 0.093 | 0.013 | 0.034 | 0.082 | 0.007 |
| | | | KK19-104752 | ASSAY | TB19284841 | 247.00 | 248.00 | 1.00 | 0.397 | 0.084 | 0.014 | 0.022 | 0.056 | 0.007 |
| | | | KK19-104753 | ASSAY | TB19284841 | 248.00 | 249.00 | 1.00 | 0.557 | 0.119 | 0.016 | 0.022 | 0.064 | 0.008 |
| | | | KK19-104754 | ASSAY | TB19284841 | 249.00 | 250.00 | 1.00 | 0.410 | 0.096 | 0.007 | 0.012 | 0.058 | 0.007 |
| | | | KK19-104755 | ASSAY | TB19284841 | 250.00 | 251.00 | 1.00 | 0.455 | 0.106 | 0.009 | 0.011 | 0.056 | 0.007 |
| | | | KK19-104756 | ASSAY | TB19284841 | 251.00 | 252.00 | 1.00 | 0.402 | 0.091 | 0.011 | 0.012 | 0.062 | 0.008 |
| | | | KK19-104757 | ASSAY | TB19284841 | 252.00 | 253.00 | 1.00 | 0.249 | 0.061 | 0.017 | 0.015 | 0.051 | 0.006 |
| | | | KK19-104761 | ASSAY | TB19305490 | 253.00 | 254.00 | 1.00 | 0.660 | 0.099 | 0.082 | 0.059 | 0.083 | 0.006 |
| | | | KK19-104762 | ASSAY | TB19305490 | 254.00 | 255.00 | 1.00 | 0.221 | 0.051 | 0.028 | 0.034 | 0.052 | 0.007 |
| | | | KK19-104763 | ASSAY | TB19305490 | 255.00 | 256.00 | 1.00 | 0.175 | 0.035 | 0.011 | 0.026 | 0.044 | 0.006 |
| | | | KK19-104764 | ASSAY | TB19305490 | 256.00 | 257.00 | 1.00 | 0.072 | 0.017 | 0.008 | 0.017 | 0.034 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104765 | ASSAY | TB19305490 | 257.00 | 258.00 | 1.00 | 0.053 | 0.011 | 0.013 | 0.028 | 0.029 | 0.005 |
| | | | KK19-104766 | ASSAY | TB19305490 | 258.00 | 259.00 | 1.00 | 0.046 | 0.012 | 0.009 | 0.015 | 0.025 | 0.005 |
| | | | KK19-104767 | ASSAY | TB19305490 | 259.00 | 260.00 | 1.00 | 0.105 | 0.024 | 0.014 | 0.025 | 0.035 | 0.006 |
| | | | KK19-104768 | ASSAY | TB19305490 | 260.00 | 261.00 | 1.00 | 0.065 | 0.015 | 0.009 | 0.020 | 0.033 | 0.006 |
| | | | KK19-104769 | ASSAY | TB19305490 | 261.00 | 262.00 | 1.00 | 0.036 | 0.009 | 0.007 | 0.022 | 0.030 | 0.006 |
| | | | KK19-104770 | ASSAY | TB19305490 | 262.00 | 263.00 | 1.00 | 0.281 | 0.065 | 0.015 | 0.019 | 0.054 | 0.007 |
| | | | KK19-104771 | ASSAY | TB19305490 | 263.00 | 264.00 | 1.00 | 0.402 | 0.083 | 0.025 | 0.016 | 0.064 | 0.007 |
| | | | KK19-104772 | ASSAY | TB19305490 | 264.00 | 265.00 | 1.00 | 0.360 | 0.093 | 0.018 | 0.015 | 0.057 | 0.007 |
| | | | KK19-104773 | ASSAY | TB19305490 | 265.00 | 266.00 | 1.00 | 0.385 | 0.064 | 0.016 | 0.012 | 0.060 | 0.007 |
| | | | KK19-104774 | ASSAY | TB19305490 | 266.00 | 267.00 | 1.00 | 0.882 | 0.189 | 0.028 | 0.018 | 0.063 | 0.007 |
| | | | KK19-104775 | ASSAY | TB19305490 | 267.00 | 268.00 | 1.00 | 0.643 | 0.123 | 0.029 | 0.020 | 0.068 | 0.008 |
| | | | KK19-104776 | ASSAY | TB19305490 | 268.00 | 269.00 | 1.00 | 0.660 | 0.119 | 0.073 | 0.046 | 0.093 | 0.009 |
| | | | KK19-104777 | ASSAY | TB19305490 | 269.00 | 270.00 | 1.00 | 0.277 | 0.052 | 0.023 | 0.018 | 0.050 | 0.007 |
| | | | KK19-104778 | ASSAY | TB19305490 | 270.00 | 271.00 | 1.00 | 0.031 | 0.005 | 0.010 | 0.016 | 0.030 | 0.006 |
| | | | KK19-104780 | ASSAY | TB19305490 | 271.00 | 272.00 | 1.00 | 0.042 | 0.010 | 0.022 | 0.033 | 0.034 | 0.006 |
| | | | KK19-104781 | ASSAY | TB19305490 | 272.00 | 273.00 | 1.00 | 0.117 | 0.030 | 0.021 | 0.024 | 0.036 | 0.006 |
| | | | KK19-104782 | ASSAY | TB19305490 | 273.00 | 274.00 | 1.00 | 0.053 | 0.012 | 0.014 | 0.017 | 0.028 | 0.006 |
| | | | KK19-104783 | ASSAY | TB19305490 | 274.00 | 275.00 | 1.00 | 0.088 | 0.030 | 0.040 | 0.033 | 0.041 | 0.006 |
| | | | KK19-104784 | ASSAY | TB19305490 | 275.00 | 276.00 | 1.00 | 0.111 | 0.026 | 0.046 | 0.034 | 0.045 | 0.005 |
| | | | KK19-104785 | ASSAY | TB19305490 | 276.00 | 277.00 | 1.00 | 0.090 | 0.017 | 0.017 | 0.027 | 0.037 | 0.006 |
| | | | KK19-104786 | ASSAY | TB19305490 | 277.00 | 278.00 | 1.00 | 0.153 | 0.036 | 0.041 | 0.059 | 0.047 | 0.005 |
| | | | KK19-104787 | ASSAY | TB19305490 | 278.00 | 279.00 | 1.00 | 0.180 | 0.033 | 0.049 | 0.050 | 0.062 | 0.005 |
| | | | KK19-104788 | ASSAY | TB19305490 | 279.00 | 280.00 | 1.00 | 0.310 | 0.044 | 0.046 | 0.063 | 0.063 | 0.006 |
| | | | KK19-104789 | ASSAY | TB19305490 | 280.00 | 281.00 | 1.00 | 0.098 | 0.018 | 0.031 | 0.052 | 0.048 | 0.005 |
| | | | KK19-104790 | ASSAY | TB19305490 | 281.00 | 282.00 | 1.00 | 0.202 | 0.027 | 0.032 | 0.070 | 0.046 | 0.005 |
| | | | KK19-104791 | ASSAY | TB19305490 | 282.00 | 283.00 | 1.00 | 0.183 | 0.035 | 0.008 | 0.011 | 0.041 | 0.004 |
| | | | KK19-104792 | ASSAY | TB19305490 | 283.00 | 284.00 | 1.00 | 0.437 | 0.087 | 0.067 | 0.052 | 0.061 | 0.006 |
| | | | KK19-104793 | ASSAY | TB19305490 | 284.00 | 285.00 | 1.00 | 0.932 | 0.127 | 0.112 | 0.117 | 0.112 | 0.007 |
| | | | KK19-104794 | ASSAY | TB19305490 | 285.00 | 286.00 | 1.00 | 1.260 | 0.129 | 0.050 | 0.072 | 0.091 | 0.006 |
| | | | KK19-104795 | ASSAY | TB19305490 | 286.00 | 287.00 | 1.00 | 1.760 | 0.203 | 0.293 | 0.153 | 0.170 | 0.009 |
| | | | KK19-104796 | ASSAY | TB19305490 | 287.00 | 288.00 | 1.00 | 0.457 | 0.123 | 0.118 | 0.055 | 0.070 | 0.006 |
| | | | KK19-104797 | ASSAY | TB19305490 | 288.00 | 289.00 | 1.00 | 0.589 | 0.086 | 0.065 | 0.063 | 0.079 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104798 | ASSAY | TB19305490 | 289.00 | 290.00 | 1.00 | 1.930 | 0.187 | 0.153 | 0.139 | 0.136 | 0.009 |
| | | | KK19-104800 | ASSAY | TB19305490 | 290.00 | 291.00 | 1.00 | 0.680 | 0.095 | 0.047 | 0.036 | 0.069 | 0.007 |
| | | | KK19-104801 | ASSAY | TB19305490 | 291.00 | 292.00 | 1.00 | 0.900 | 0.116 | 0.064 | 0.080 | 0.090 | 0.007 |
| | | | KK19-104802 | ASSAY | TB19305490 | 292.00 | 293.00 | 1.00 | 0.733 | 0.113 | 0.045 | 0.042 | 0.071 | 0.006 |
| | | | KK19-104803 | ASSAY | TB19305490 | 293.00 | 294.00 | 1.00 | 1.580 | 0.283 | 0.184 | 0.167 | 0.145 | 0.008 |
| | | | KK19-104804 | ASSAY | TB19305490 | 294.00 | 295.00 | 1.00 | 0.361 | 0.082 | 0.025 | 0.021 | 0.057 | 0.006 |
| | | | KK19-104805 | ASSAY | TB19305490 | 295.00 | 296.00 | 1.00 | 0.329 | 0.054 | 0.032 | 0.024 | 0.051 | 0.006 |
| | | | KK19-104806 | ASSAY | TB19305490 | 296.00 | 297.00 | 1.00 | 0.204 | 0.049 | 0.044 | 0.039 | 0.058 | 0.005 |
| | | | KK19-104807 | ASSAY | TB19305490 | 297.00 | 298.00 | 1.00 | 0.184 | 0.034 | 0.014 | 0.031 | 0.055 | 0.005 |
| | | | KK19-104808 | ASSAY | TB19305490 | 298.00 | 299.00 | 1.00 | 0.359 | 0.049 | 0.011 | 0.014 | 0.067 | 0.006 |
| | | | KK19-104809 | ASSAY | TB19305490 | 299.00 | 300.00 | 1.00 | 0.982 | 0.094 | 0.081 | 0.107 | 0.103 | 0.007 |
| | | | KK19-104810 | ASSAY | TB19305490 | 300.00 | 301.00 | 1.00 | 0.605 | 0.051 | 0.142 | 0.073 | 0.075 | 0.005 |
| | | | KK19-104811 | ASSAY | TB19305490 | 301.00 | 302.00 | 1.00 | 0.998 | 0.111 | 0.104 | 0.161 | 0.120 | 0.007 |
| | | | KK19-104812 | ASSAY | TB19305490 | 302.00 | 303.00 | 1.00 | 0.790 | 0.099 | 0.127 | 0.104 | 0.096 | 0.006 |
| | | | KK19-104813 | ASSAY | TB19305490 | 303.00 | 304.00 | 1.00 | 0.525 | 0.126 | 0.128 | 0.092 | 0.091 | 0.006 |
| | | | KK19-104814 | ASSAY | TB19305490 | 304.00 | 305.00 | 1.00 | 0.855 | 0.142 | 0.117 | 0.076 | 0.107 | 0.007 |
| | | | KK19-104815 | ASSAY | TB19305490 | 305.00 | 306.00 | 1.00 | 0.531 | 0.094 | 0.138 | 0.056 | 0.088 | 0.006 |
| | | | KK19-104816 | ASSAY | TB19305490 | 306.00 | 307.00 | 1.00 | 0.570 | 0.103 | 0.076 | 0.076 | 0.076 | 0.006 |
| | | | KK19-104817 | ASSAY | TB19305490 | 307.00 | 308.00 | 1.00 | 0.425 | 0.090 | 0.075 | 0.046 | 0.068 | 0.006 |
| | | | KK19-104818 | ASSAY | TB19305490 | 308.00 | 309.00 | 1.00 | 0.666 | 0.099 | 0.053 | 0.044 | 0.079 | 0.007 |
| | | | KK19-104820 | ASSAY | TB19305490 | 309.00 | 310.00 | 1.00 | 0.855 | 0.153 | 0.156 | 0.075 | 0.123 | 0.008 |
| | | | KK19-104821 | ASSAY | TB19305490 | 310.00 | 311.00 | 1.00 | 0.619 | 0.104 | 0.052 | 0.051 | 0.075 | 0.007 |
| | | | KK19-104822 | ASSAY | TB19305490 | 311.00 | 312.00 | 1.00 | 0.792 | 0.131 | 0.030 | 0.021 | 0.068 | 0.007 |
| | | | KK19-104823 | ASSAY | TB19305490 | 312.00 | 313.00 | 1.00 | 0.476 | 0.110 | 0.036 | 0.021 | 0.062 | 0.007 |
| | | | KK19-104824 | ASSAY | TB19305490 | 313.00 | 314.00 | 1.00 | 0.759 | 0.082 | 0.073 | 0.054 | 0.064 | 0.008 |
| | | | KK19-104825 | ASSAY | TB19305490 | 314.00 | 315.00 | 1.00 | 0.484 | 0.061 | 0.056 | 0.035 | 0.053 | 0.007 |
| | | | KK19-104826 | ASSAY | TB19305490 | 315.00 | 316.00 | 1.00 | 0.070 | 0.017 | 0.025 | 0.028 | 0.050 | 0.007 |
| | | | KK19-104827 | ASSAY | TB19305490 | 316.00 | 317.00 | 1.00 | 0.196 | 0.050 | 0.022 | 0.017 | 0.044 | 0.006 |
| | | | KK19-104828 | ASSAY | TB19305490 | 317.00 | 318.00 | 1.00 | 0.301 | 0.046 | 0.066 | 0.039 | 0.059 | 0.006 |
| | | | KK19-104829 | ASSAY | TB19305490 | 318.00 | 319.36 | 1.36 | 1.040 | 0.121 | 0.074 | 0.050 | 0.069 | 0.007 |

| From | To | Lithology |
|---|---|---|
| 319.36 | 333.18 | **GAB-VBx**<br>Varitextured gabbro breccia. 70% clasts of GABVT (same litho as above and below), 30% mafic matrix. Dull grey-green, massive. Clasts dominantly medium grained, matrix very fine grained. Contacts defined by (dis)appearance of breccia matrix. Trace po+cpy, locally up to 1% over <50cm. 10% net-texture po+cpy+pn over 10cm at 324.1-324.2. |

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104830 | ASSAY | TB19305490 | 319.36 | 320.00 | 0.64 | 0.042 | 0.011 | 0.012 | 0.016 | 0.040 | 0.007 |
| KK19-104831 | ASSAY | TB19305490 | 320.00 | 321.00 | 1.00 | 0.057 | 0.015 | 0.006 | 0.010 | 0.034 | 0.006 |
| KK19-104832 | ASSAY | TB19305490 | 321.00 | 322.00 | 1.00 | 0.106 | 0.023 | 0.009 | 0.016 | 0.038 | 0.006 |
| KK19-104833 | ASSAY | TB19305490 | 322.00 | 323.00 | 1.00 | 0.040 | 0.009 | 0.009 | 0.026 | 0.041 | 0.007 |
| KK19-104834 | ASSAY | TB19305490 | 323.00 | 324.00 | 1.00 | 0.056 | 0.013 | 0.017 | 0.033 | 0.045 | 0.006 |
| KK19-104835 | ASSAY | TB19305490 | 324.00 | 325.00 | 1.00 | 0.353 | 0.026 | 0.026 | 0.055 | 0.066 | 0.007 |
| KK19-104839 | ASSAY | TB19305492 | 325.00 | 326.00 | 1.00 | 0.087 | 0.016 | 0.019 | 0.039 | 0.048 | 0.007 |
| KK19-104840 | ASSAY | TB19305492 | 326.00 | 327.00 | 1.00 | 0.122 | 0.031 | 0.014 | 0.025 | 0.050 | 0.007 |
| KK19-104841 | ASSAY | TB19305492 | 327.00 | 328.00 | 1.00 | 0.057 | 0.016 | 0.008 | 0.016 | 0.046 | 0.007 |
| KK19-104842 | ASSAY | TB19305492 | 328.00 | 329.00 | 1.00 | 0.052 | 0.007 | 0.029 | 0.018 | 0.039 | 0.006 |
| KK19-104843 | ASSAY | TB19305492 | 329.00 | 330.00 | 1.00 | 0.015 | 0.003 | 0.042 | 0.077 | 0.078 | 0.012 |
| KK19-104844 | ASSAY | TB19305492 | 330.00 | 331.00 | 1.00 | 0.047 | 0.006 | 0.010 | 0.025 | 0.047 | 0.007 |
| KK19-104845 | ASSAY | TB19305492 | 331.00 | 332.00 | 1.00 | 0.075 | 0.008 | 0.012 | 0.051 | 0.067 | 0.009 |
| KK19-104846 | ASSAY | TB19305492 | 332.00 | 333.18 | 1.18 | 0.016 | 0.006 | 0.017 | 0.027 | 0.039 | 0.006 |

| From | To | Lithology |
|---|---|---|
| 333.18 | 402.83 | **GAB-Vt** |

Varitextured gabbro. Homogenuous, dull-grey green, massive. Consistent weak to mod chl/act alt. Dominantly medium grained. Upper contact defined by disappearance of breccia matrix, bottom contact sharp, wavy. 20% <20cm felsic dikelets at 387.7-391.8. Trace po+cpy throughout, 0.8% po+cpy at 335.7-337.6.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104847 | ASSAY | TB19305492 | 333.18 | 334.00 | 0.82 | 0.069 | 0.013 | 0.006 | 0.006 | 0.027 | 0.004 |
| KK19-104848 | ASSAY | TB19305492 | 334.00 | 335.00 | 1.00 | 0.121 | 0.021 | 0.014 | 0.012 | 0.035 | 0.005 |
| KK19-104849 | ASSAY | TB19305492 | 335.00 | 336.00 | 1.00 | 0.307 | 0.046 | 0.043 | 0.045 | 0.054 | 0.005 |
| KK19-104850 | ASSAY | TB19305492 | 336.00 | 337.00 | 1.00 | 0.583 | 0.105 | 0.130 | 0.068 | 0.074 | 0.005 |
| KK19-104851 | ASSAY | TB19305492 | 337.00 | 338.00 | 1.00 | 0.674 | 0.090 | 0.126 | 0.073 | 0.080 | 0.006 |
| KK19-104852 | ASSAY | TB19305492 | 338.00 | 339.00 | 1.00 | 0.152 | 0.027 | 0.016 | 0.013 | 0.035 | 0.004 |
| KK19-104853 | ASSAY | TB19305492 | 339.00 | 340.00 | 1.00 | 0.114 | 0.023 | 0.005 | 0.008 | 0.034 | 0.005 |
| KK19-104854 | ASSAY | TB19305492 | 340.00 | 341.00 | 1.00 | 0.058 | 0.014 | 0.011 | 0.023 | 0.044 | 0.006 |
| KK19-104855 | ASSAY | TB19305492 | 341.00 | 342.00 | 1.00 | 0.516 | 0.066 | 0.030 | 0.055 | 0.040 | 0.007 |
| KK19-104856 | ASSAY | TB19305492 | 342.00 | 343.00 | 1.00 | 0.012 | 0.003 | 0.003 | 0.011 | 0.020 | 0.005 |
| KK19-104858 | ASSAY | TB19305492 | 343.00 | 344.00 | 1.00 | 0.010 | 0.003 | 0.010 | 0.021 | 0.030 | 0.006 |
| KK19-104859 | ASSAY | TB19305492 | 344.00 | 345.00 | 1.00 | 0.088 | 0.019 | 0.009 | 0.025 | 0.031 | 0.005 |
| KK19-104860 | ASSAY | TB19305492 | 345.00 | 346.00 | 1.00 | 0.008 | 0.003 | 0.004 | 0.012 | 0.036 | 0.006 |
| KK19-104861 | ASSAY | TB19305492 | 346.00 | 347.00 | 1.00 | 0.059 | 0.009 | 0.006 | 0.018 | 0.038 | 0.005 |
| KK19-104862 | ASSAY | TB19305492 | 347.00 | 348.00 | 1.00 | 0.005 | 0.003 | 0.005 | 0.025 | 0.046 | 0.006 |
| KK19-104863 | ASSAY | TB19305492 | 348.00 | 349.00 | 1.00 | 0.036 | 0.008 | 0.004 | 0.025 | 0.048 | 0.007 |
| KK19-104864 | ASSAY | TB19305492 | 349.00 | 350.00 | 1.00 | 0.011 | 0.003 | 0.006 | 0.020 | 0.036 | 0.005 |
| KK19-104865 | ASSAY | TB19305492 | 350.00 | 351.00 | 1.00 | 0.097 | 0.011 | 0.003 | 0.016 | 0.034 | 0.005 |
| KK19-104866 | ASSAY | TB19305492 | 351.00 | 352.00 | 1.00 | 0.098 | 0.021 | 0.003 | 0.009 | 0.027 | 0.004 |
| KK19-104867 | ASSAY | TB19305492 | 352.00 | 353.00 | 1.00 | 0.065 | 0.018 | 0.006 | 0.010 | 0.030 | 0.005 |
| KK19-104868 | ASSAY | TB19305492 | 353.00 | 354.00 | 1.00 | 0.050 | 0.012 | 0.007 | 0.008 | 0.024 | 0.004 |
| KK19-104869 | ASSAY | TB19305492 | 354.00 | 355.00 | 1.00 | 0.004 | 0.003 | 0.006 | 0.009 | 0.021 | 0.003 |
| KK19-104870 | ASSAY | TB19305492 | 355.00 | 356.00 | 1.00 | 0.054 | 0.010 | 0.019 | 0.024 | 0.031 | 0.005 |
| KK19-104871 | ASSAY | TB19305492 | 356.00 | 357.00 | 1.00 | 0.356 | 0.075 | 0.097 | 0.062 | 0.066 | 0.006 |
| KK19-104872 | ASSAY | TB19305492 | 357.00 | 358.00 | 1.00 | 0.224 | 0.054 | 0.098 | 0.054 | 0.055 | 0.006 |
| KK19-104873 | ASSAY | TB19305492 | 358.00 | 359.00 | 1.00 | 0.127 | 0.033 | 0.031 | 0.021 | 0.033 | 0.005 |
| KK19-104874 | ASSAY | TB19305492 | 359.00 | 360.00 | 1.00 | 0.122 | 0.029 | 0.032 | 0.023 | 0.034 | 0.006 |
| KK19-104875 | ASSAY | TB19305492 | 360.00 | 361.00 | 1.00 | 0.048 | 0.017 | 0.008 | 0.014 | 0.028 | 0.006 |
| KK19-104876 | ASSAY | TB19305492 | 361.00 | 362.00 | 1.00 | 0.066 | 0.012 | 0.018 | 0.035 | 0.029 | 0.005 |
| KK19-104878 | ASSAY | TB19305492 | 362.00 | 363.00 | 1.00 | 0.074 | 0.013 | 0.020 | 0.023 | 0.031 | 0.004 |
| KK19-104879 | ASSAY | TB19305492 | 363.00 | 364.00 | 1.00 | 0.109 | 0.023 | 0.018 | 0.026 | 0.037 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104880 | ASSAY | TB19305492 | 364.00 | 365.00 | 1.00 | 0.130 | 0.022 | 0.016 | 0.023 | 0.034 | 0.005 |
| | | | KK19-104881 | ASSAY | TB19305492 | 365.00 | 366.00 | 1.00 | 0.025 | 0.006 | 0.011 | 0.021 | 0.039 | 0.006 |
| | | | KK19-104882 | ASSAY | TB19305492 | 366.00 | 367.00 | 1.00 | 0.014 | 0.005 | 0.005 | 0.014 | 0.031 | 0.005 |
| | | | KK19-104883 | ASSAY | TB19305492 | 367.00 | 368.00 | 1.00 | 0.036 | 0.014 | 0.012 | 0.024 | 0.032 | 0.006 |
| | | | KK19-104884 | ASSAY | TB19305492 | 368.00 | 369.00 | 1.00 | 0.186 | 0.052 | 0.045 | 0.035 | 0.045 | 0.006 |
| | | | KK19-104885 | ASSAY | TB19305492 | 369.00 | 370.00 | 1.00 | 0.250 | 0.074 | 0.039 | 0.027 | 0.038 | 0.005 |
| | | | KK19-104886 | ASSAY | TB19305492 | 370.00 | 371.00 | 1.00 | 1.780 | 0.659 | 0.080 | 0.063 | 0.066 | 0.007 |
| | | | KK19-104887 | ASSAY | TB19305492 | 371.00 | 372.00 | 1.00 | 0.522 | 0.162 | 0.017 | 0.015 | 0.030 | 0.006 |
| | | | KK19-104888 | ASSAY | TB19305492 | 372.00 | 373.00 | 1.00 | 0.156 | 0.042 | 0.024 | 0.018 | 0.031 | 0.005 |
| | | | KK19-104889 | ASSAY | TB19305492 | 373.00 | 374.00 | 1.00 | 0.071 | 0.021 | 0.025 | 0.019 | 0.031 | 0.006 |
| | | | KK19-104890 | ASSAY | TB19305492 | 374.00 | 375.00 | 1.00 | 0.039 | 0.016 | 0.014 | 0.014 | 0.027 | 0.005 |
| | | | KK19-104891 | ASSAY | TB19305492 | 375.00 | 376.00 | 1.00 | 0.124 | 0.023 | 0.018 | 0.017 | 0.034 | 0.005 |
| | | | KK19-104892 | ASSAY | TB19305492 | 376.00 | 377.00 | 1.00 | 0.039 | 0.013 | 0.015 | 0.016 | 0.029 | 0.005 |
| | | | KK19-104893 | ASSAY | TB19305492 | 377.00 | 378.00 | 1.00 | 0.017 | 0.012 | 0.028 | 0.020 | 0.031 | 0.005 |
| | | | KK19-104894 | ASSAY | TB19305492 | 378.00 | 379.00 | 1.00 | 0.112 | 0.041 | 0.047 | 0.022 | 0.041 | 0.005 |
| | | | KK19-104895 | ASSAY | TB19305492 | 379.00 | 380.00 | 1.00 | 0.055 | 0.034 | 0.032 | 0.024 | 0.036 | 0.006 |
| | | | KK19-104896 | ASSAY | TB19305492 | 380.00 | 381.00 | 1.00 | 0.110 | 0.026 | 0.030 | 0.021 | 0.033 | 0.005 |
| | | | KK19-104898 | ASSAY | TB19305492 | 381.00 | 382.00 | 1.00 | 0.071 | 0.018 | 0.021 | 0.017 | 0.033 | 0.005 |
| | | | KK19-104899 | ASSAY | TB19305492 | 382.00 | 383.00 | 1.00 | 0.051 | 0.013 | 0.008 | 0.011 | 0.027 | 0.005 |
| | | | KK19-104900 | ASSAY | TB19305492 | 383.00 | 384.00 | 1.00 | 0.031 | 0.007 | 0.008 | 0.024 | 0.025 | 0.006 |
| | | | KK19-104901 | ASSAY | TB19305492 | 384.00 | 385.00 | 1.00 | 0.020 | 0.005 | 0.009 | 0.016 | 0.020 | 0.005 |
| | | | KK19-104902 | ASSAY | TB19305492 | 385.00 | 386.00 | 1.00 | 0.060 | 0.012 | 0.009 | 0.013 | 0.024 | 0.006 |
| | | | KK19-104903 | ASSAY | TB19305492 | 386.00 | 387.00 | 1.00 | 0.032 | 0.003 | 0.004 | 0.010 | 0.020 | 0.004 |
| | | | KK19-104904 | ASSAY | TB19305492 | 387.00 | 388.00 | 1.00 | 0.010 | 0.003 | 0.035 | 0.033 | 0.017 | 0.004 |
| | | | KK19-104905 | ASSAY | TB19305492 | 388.00 | 389.00 | 1.00 | 0.006 | 0.003 | 0.010 | 0.016 | 0.017 | 0.004 |
| | | | KK19-104906 | ASSAY | TB19305492 | 389.00 | 390.00 | 1.00 | 0.033 | 0.009 | 0.006 | 0.014 | 0.022 | 0.005 |
| | | | KK19-104907 | ASSAY | TB19305492 | 390.00 | 391.00 | 1.00 | 0.031 | 0.007 | 0.004 | 0.013 | 0.026 | 0.006 |
| | | | KK19-104908 | ASSAY | TB19305492 | 391.00 | 392.00 | 1.00 | 0.029 | 0.010 | 0.004 | 0.016 | 0.025 | 0.005 |
| | | | KK19-104909 | ASSAY | TB19305492 | 392.00 | 393.00 | 1.00 | 0.052 | 0.012 | 0.010 | 0.018 | 0.031 | 0.006 |
| | | | KK19-104910 | ASSAY | TB19305492 | 393.00 | 394.00 | 1.00 | 0.033 | 0.009 | 0.007 | 0.012 | 0.026 | 0.006 |
| | | | KK19-104911 | ASSAY | TB19305492 | 394.00 | 395.00 | 1.00 | 0.009 | 0.007 | 0.001 | 0.021 | 0.027 | 0.006 |
| | | | KK19-104912 | ASSAY | TB19305492 | 395.00 | 396.00 | 1.00 | 0.035 | 0.008 | 0.012 | 0.018 | 0.025 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104913 | ASSAY | TB19305492 | 396.00 | 397.00 | 1.00 | 0.374 | 0.077 | 0.025 | 0.035 | 0.065 | 0.006 |
| | | | KK19-104917 | ASSAY | TB19298591 | 397.00 | 398.00 | 1.00 | 0.161 | 0.042 | 0.025 | 0.039 | 0.048 | 0.006 |
| | | | KK19-104918 | ASSAY | TB19298591 | 398.00 | 399.00 | 1.00 | 0.044 | 0.010 | 0.009 | 0.017 | 0.028 | 0.005 |
| | | | KK19-104919 | ASSAY | TB19298591 | 399.00 | 400.00 | 1.00 | 0.137 | 0.020 | 0.008 | 0.015 | 0.035 | 0.005 |
| | | | KK19-104920 | ASSAY | TB19298591 | 400.00 | 401.00 | 1.00 | 0.101 | 0.012 | 0.008 | 0.011 | 0.030 | 0.005 |
| | | | KK19-104921 | ASSAY | TB19298591 | 401.00 | 402.00 | 1.00 | 0.216 | 0.022 | 0.017 | 0.023 | 0.031 | 0.004 |
| | | | KK19-104922 | ASSAY | TB19298591 | 402.00 | 402.83 | 0.83 | 0.844 | 0.049 | 0.019 | 0.033 | 0.043 | 0.004 |
| 402.83 | 405.50 | **DIKE-Felsic** | KK19-104923 | ASSAY | TB19298591 | 402.83 | 404.00 | 1.17 | 0.002 | 0.003 | 0.001 | 0.005 | 0.002 | 0.000 |
| Felsic dike. White/light beige, massive. Patchy weak ser/K-alt (K-alt occurs largely as haloes around ~3% qtz vns). Dominantly medium to coarse grained. Sharp contacts (top = 20 deg, bottom = 40 deg). Trace dis py. | | | KK19-104924 | ASSAY | TB19298591 | 404.00 | 405.05 | 1.05 | 0.001 | 0.003 | 0.001 | 0.003 | 0.000 | 0.000 |
| | | | KK19-104925 | ASSAY | TB19298591 | 405.05 | 406.00 | 0.95 | 0.349 | 0.022 | 0.016 | 0.023 | 0.033 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 405.50 | 426.00 | **GAB-Vt**<br>Varitextured gabbro. Homogenuous, dull grey-green, massive. Consistent mod chl/act alt. Dominantly medium-grained. Upper contact sharp and straight. Low angle felsic dike (~0-10 deg) weaving in and out from 418.6-421.7. Trace blebby cpy>po | KK19-104926 | ASSAY | TB19298591 | 406.00 | 407.00 | 1.00 | 0.390 | 0.042 | 0.020 | 0.019 | 0.046 | 0.005 |
| | | | KK19-104927 | ASSAY | TB19298591 | 407.00 | 408.00 | 1.00 | 0.902 | 0.104 | 0.031 | 0.035 | 0.065 | 0.006 |
| | | | KK19-104928 | ASSAY | TB19298591 | 408.00 | 409.00 | 1.00 | 0.325 | 0.033 | 0.024 | 0.016 | 0.038 | 0.004 |
| | | | KK19-104929 | ASSAY | TB19298591 | 409.00 | 410.00 | 1.00 | 0.377 | 0.047 | 0.027 | 0.013 | 0.036 | 0.005 |
| | | | KK19-104930 | ASSAY | TB19298591 | 410.00 | 411.00 | 1.00 | 0.076 | 0.023 | 0.018 | 0.012 | 0.036 | 0.006 |
| | | | KK19-104931 | ASSAY | TB19298591 | 411.00 | 412.00 | 1.00 | 0.292 | 0.054 | 0.021 | 0.012 | 0.038 | 0.006 |
| | | | KK19-104932 | ASSAY | TB19298591 | 412.00 | 413.00 | 1.00 | 0.171 | 0.030 | 0.024 | 0.017 | 0.038 | 0.005 |
| | | | KK19-104933 | ASSAY | TB19298591 | 413.00 | 414.00 | 1.00 | 1.230 | 0.105 | 0.118 | 0.044 | 0.065 | 0.007 |
| | | | KK19-104934 | ASSAY | TB19298591 | 414.00 | 415.00 | 1.00 | 0.619 | 0.096 | 0.024 | 0.012 | 0.058 | 0.007 |
| | | | KK19-104936 | ASSAY | TB19298591 | 415.00 | 416.00 | 1.00 | 1.980 | 0.203 | 0.851 | 0.062 | 0.072 | 0.007 |
| | | | KK19-104937 | ASSAY | TB19298591 | 416.00 | 417.00 | 1.00 | 0.347 | 0.076 | 0.020 | 0.013 | 0.048 | 0.006 |
| | | | KK19-104938 | ASSAY | TB19298591 | 417.00 | 418.00 | 1.00 | 0.242 | 0.079 | 0.026 | 0.015 | 0.045 | 0.006 |
| | | | KK19-104939 | ASSAY | TB19298591 | 418.00 | 419.00 | 1.00 | 0.740 | 0.118 | 0.087 | 0.025 | 0.060 | 0.006 |
| | | | KK19-104940 | ASSAY | TB19298591 | 419.00 | 420.00 | 1.00 | 1.210 | 0.109 | 0.053 | 0.023 | 0.056 | 0.002 |
| | | | KK19-104941 | ASSAY | TB19298591 | 420.00 | 421.00 | 1.00 | 1.500 | 0.151 | 0.041 | 0.040 | 0.095 | 0.005 |
| | | | KK19-104942 | ASSAY | TB19298591 | 421.00 | 422.00 | 1.00 | 1.450 | 0.166 | 0.024 | 0.040 | 0.085 | 0.006 |
| | | | KK19-104943 | ASSAY | TB19298591 | 422.00 | 423.00 | 1.00 | 0.391 | 0.055 | 0.012 | 0.015 | 0.053 | 0.005 |
| | | | KK19-104944 | ASSAY | TB19298591 | 423.00 | 424.00 | 1.00 | 0.982 | 0.109 | 0.004 | 0.009 | 0.072 | 0.005 |
| | | | KK19-104945 | ASSAY | TB19298591 | 424.00 | 425.00 | 1.00 | 1.850 | 0.167 | 0.008 | 0.009 | 0.112 | 0.006 |
| | | | KK19-104946 | ASSAY | TB19298591 | 425.00 | 426.00 | 1.00 | 0.656 | 0.092 | 0.009 | 0.012 | 0.071 | 0.006 |
| 426.00 | 427.25 | **DIKE-Felsic**<br>Qtz-plg-bt dyke - Medium-grained, white-grey-beige-black-pink in colour with a weak to moderate degree of K alteration.<br><br>Vfg-fg ccp-py are present in a trace abundance as disseminations.<br><br>Upper and lower contacts are sharp with GABVT. | KK19-104947 | ASSAY | TB19298591 | 426.00 | 427.25 | 1.25 | 0.120 | 0.007 | 0.005 | 0.006 | 0.009 | 0.000 |

| From | To | Lithology |
|---|---|---|
| 427.25 | 467.15 | **GAB-Vt** |

GABVt - Medium- to coarse-grained, green-grey-black-white in colour with a dominantly weak with lesser moderate degree of chl-act alteration.
Pyx:plg ratio ranges from 60:40 to 65:35, Grain boundaries are generally sharp.

Blebby and intercumulus po-py-ccp-pn occur in a trace abundance from 427.25-430.69m, 1.5% from 430.69-443.0m and 0.1-0.2% from 443.0-467.16m.

Qtz-plg-bt veins or segregations are common throughout the interval.
Upper contact is sharp with a qtz-plg-bt dyke. Lower contact is abrupt but gradational with a mafic dyke.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104948 | ASSAY | TB19298591 | 427.25 | 428.00 | 0.75 | 0.459 | 0.037 | 0.037 | 0.035 | 0.054 | 0.005 |
| KK19-104949 | ASSAY | TB19298591 | 428.00 | 429.00 | 1.00 | 0.064 | 0.020 | 0.015 | 0.010 | 0.033 | 0.005 |
| KK19-104950 | ASSAY | TB19298591 | 429.00 | 430.00 | 1.00 | 0.867 | 0.028 | 0.081 | 0.056 | 0.045 | 0.005 |
| KK19-104951 | ASSAY | TB19298591 | 430.00 | 431.00 | 1.00 | 0.265 | 0.050 | 0.023 | 0.028 | 0.038 | 0.005 |
| KK19-104952 | ASSAY | TB19298591 | 431.00 | 432.00 | 1.00 | 1.190 | 0.142 | 0.050 | 0.058 | 0.083 | 0.006 |
| KK19-104953 | ASSAY | TB19298591 | 432.00 | 433.00 | 1.00 | 1.740 | 0.096 | 0.077 | 0.108 | 0.116 | 0.008 |
| KK19-104954 | ASSAY | TB19298591 | 433.00 | 434.00 | 1.00 | 0.289 | 0.041 | 1.090 | 0.054 | 0.040 | 0.005 |
| KK19-104956 | ASSAY | TB19298591 | 434.00 | 435.00 | 1.00 | 0.814 | 0.104 | 0.061 | 0.067 | 0.051 | 0.005 |
| KK19-104957 | ASSAY | TB19298591 | 435.00 | 436.00 | 1.00 | 4.860 | 1.230 | 0.216 | 0.136 | 0.220 | 0.010 |
| KK19-104958 | ASSAY | TB19298591 | 436.00 | 437.00 | 1.00 | 0.720 | 0.036 | 0.073 | 0.080 | 0.070 | 0.005 |
| KK19-104959 | ASSAY | TB19298591 | 437.00 | 438.00 | 1.00 | 0.184 | 0.047 | 0.012 | 0.011 | 0.056 | 0.006 |
| KK19-104960 | ASSAY | TB19298591 | 438.00 | 439.00 | 1.00 | 0.257 | 0.054 | 0.021 | 0.018 | 0.052 | 0.007 |
| KK19-104961 | ASSAY | TB19298591 | 439.00 | 440.00 | 1.00 | 0.841 | 0.104 | 0.027 | 0.038 | 0.056 | 0.006 |
| KK19-104962 | ASSAY | TB19298591 | 440.00 | 441.00 | 1.00 | 0.184 | 0.044 | 0.013 | 0.014 | 0.039 | 0.005 |
| KK19-104963 | ASSAY | TB19298591 | 441.00 | 442.00 | 1.00 | 0.447 | 0.103 | 0.052 | 0.028 | 0.049 | 0.006 |
| KK19-104964 | ASSAY | TB19298591 | 442.00 | 443.00 | 1.00 | 0.730 | 0.058 | 0.050 | 0.052 | 0.061 | 0.006 |
| KK19-104965 | ASSAY | TB19298591 | 443.00 | 444.00 | 1.00 | 0.424 | 0.050 | 0.061 | 0.034 | 0.050 | 0.005 |
| KK19-104966 | ASSAY | TB19298591 | 444.00 | 445.00 | 1.00 | 0.094 | 0.025 | 0.010 | 0.009 | 0.033 | 0.005 |
| KK19-104967 | ASSAY | TB19298591 | 445.00 | 446.00 | 1.00 | 0.190 | 0.040 | 0.034 | 0.021 | 0.043 | 0.005 |
| KK19-104968 | ASSAY | TB19298591 | 446.00 | 447.00 | 1.00 | 0.801 | 0.105 | 0.131 | 0.054 | 0.061 | 0.006 |
| KK19-104969 | ASSAY | TB19298591 | 447.00 | 448.00 | 1.00 | 0.221 | 0.041 | 0.021 | 0.016 | 0.048 | 0.006 |
| KK19-104970 | ASSAY | TB19298591 | 448.00 | 449.00 | 1.00 | 0.445 | 0.106 | 0.034 | 0.026 | 0.054 | 0.007 |
| KK19-104971 | ASSAY | TB19298591 | 449.00 | 450.00 | 1.00 | 0.399 | 0.084 | 0.010 | 0.005 | 0.049 | 0.006 |
| KK19-104972 | ASSAY | TB19298591 | 450.00 | 451.00 | 1.00 | 0.360 | 0.070 | 0.383 | 0.027 | 0.049 | 0.006 |
| KK19-104973 | ASSAY | TB19298591 | 451.00 | 452.00 | 1.00 | 0.703 | 0.162 | 0.079 | 0.061 | 0.075 | 0.007 |
| KK19-104974 | ASSAY | TB19298591 | 452.00 | 453.00 | 1.00 | 0.154 | 0.040 | 0.019 | 0.012 | 0.038 | 0.005 |
| KK19-104976 | ASSAY | TB19298591 | 453.00 | 454.00 | 1.00 | 0.135 | 0.041 | 0.012 | 0.009 | 0.044 | 0.005 |
| KK19-104977 | ASSAY | TB19298591 | 454.00 | 455.00 | 1.00 | 0.140 | 0.040 | 0.026 | 0.017 | 0.044 | 0.006 |
| KK19-104978 | ASSAY | TB19298591 | 455.00 | 456.00 | 1.00 | 0.261 | 0.057 | 0.033 | 0.017 | 0.049 | 0.006 |
| KK19-104979 | ASSAY | TB19298591 | 456.00 | 457.00 | 1.00 | 0.655 | 0.120 | 0.064 | 0.041 | 0.063 | 0.006 |
| KK19-104980 | ASSAY | TB19298591 | 457.00 | 458.00 | 1.00 | 0.532 | 0.066 | 0.085 | 0.051 | 0.064 | 0.006 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-104981 | ASSAY | TB19298591 | 458.00 | 459.00 | 1.00 | 0.150 | 0.033 | 0.056 | 0.021 | 0.042 | 0.005 |
| | | | KK19-104982 | ASSAY | TB19298591 | 459.00 | 460.00 | 1.00 | 0.197 | 0.025 | 0.054 | 0.024 | 0.041 | 0.005 |
| | | | KK19-104983 | ASSAY | TB19298591 | 460.00 | 461.00 | 1.00 | 0.326 | 0.024 | 0.046 | 0.025 | 0.042 | 0.005 |
| | | | KK19-104984 | ASSAY | TB19298591 | 461.00 | 462.00 | 1.00 | 0.124 | 0.022 | 0.031 | 0.014 | 0.040 | 0.005 |
| | | | KK19-104985 | ASSAY | TB19298591 | 462.00 | 463.00 | 1.00 | 0.186 | 0.030 | 0.043 | 0.021 | 0.045 | 0.005 |
| | | | KK19-104986 | ASSAY | TB19298591 | 463.00 | 464.00 | 1.00 | 0.050 | 0.013 | 0.020 | 0.015 | 0.034 | 0.005 |
| | | | KK19-104987 | ASSAY | TB19298591 | 464.00 | 465.00 | 1.00 | 0.112 | 0.022 | 0.020 | 0.013 | 0.039 | 0.005 |
| | | | KK19-104988 | ASSAY | TB19298591 | 465.00 | 466.00 | 1.00 | 0.560 | 0.066 | 0.046 | 0.036 | 0.066 | 0.007 |
| | | | KK19-104989 | ASSAY | TB19298591 | 466.00 | 467.15 | 1.15 | 0.217 | 0.043 | 0.042 | 0.035 | 0.044 | 0.005 |
| 467.15 | 471.66 | **DIKE-Mafic**<br>Mafic dyke - Fine-grained, black-green-grey-white in colour with a weak degree of pervasive chl alteration and weak degree of epidote alteration in the from of veins. | KK19-104990 | ASSAY | TB19298591 | 467.15 | 468.00 | 0.85 | 0.098 | 0.025 | 0.025 | 0.025 | 0.038 | 0.006 |
| | | | KK19-104991 | ASSAY | TB19298591 | 468.00 | 469.00 | 1.00 | 0.003 | 0.003 | 0.003 | 0.010 | 0.011 | 0.005 |
| | | | KK19-104995 | ASSAY | TB19302027 | 469.00 | 470.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.010 | 0.005 |
| | | | KK19-104996 | ASSAY | TB19302027 | 470.00 | 471.00 | 1.00 | 0.001 | 0.003 | 0.010 | 0.015 | 0.009 | 0.005 |
| | | | KK19-104997 | ASSAY | TB19302027 | 471.00 | 471.66 | 0.66 | 0.010 | 0.003 | 0.003 | 0.006 | 0.010 | 0.003 |

| From | To | Lithology |
|---|---|---|
| 471.66 | 511.40 | **GAB-Vt** |

471.66 - 511.40m. Dull medium greenish grey and beige/white, mg-cg, massive, moderately altered and mineralized GABVT. Plag is generally between 40-65%, greenish or clean beige/white. Little Q+ Q-felds veining, generally cuts core between 30-50dtca. Pervassive moderate chlorite-actinolite alt, patchy weak Na to plag surrounding fracture planes. Interval hosts 0.3-0.5% cg blebby sulphide, Po-Cpy-Py+-Pn. Lower contact with aphanetic mafic dike is sharp and planar at 30dtcca.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104998 | ASSAY | TB19302027 | 471.66 | 472.40 | 0.74 | 0.528 | 0.053 | 0.017 | 0.014 | 0.037 | 0.004 |
| KK19-104999 | ASSAY | TB19302027 | 472.40 | 473.00 | 0.60 | 0.240 | 0.022 | 0.015 | 0.010 | 0.035 | 0.004 |
| KK19-105000 | ASSAY | TB19302027 | 473.00 | 474.00 | 1.00 | 0.033 | 0.008 | 0.018 | 0.009 | 0.037 | 0.004 |
| KK19-105001 | ASSAY | TB19302027 | 474.00 | 475.00 | 1.00 | 0.358 | 0.041 | 0.024 | 0.010 | 0.038 | 0.004 |
| KK19-105002 | ASSAY | TB19302027 | 475.00 | 476.00 | 1.00 | 0.468 | 0.038 | 0.029 | 0.011 | 0.041 | 0.004 |
| KK19-105003 | ASSAY | TB19302027 | 476.00 | 477.00 | 1.00 | 0.426 | 0.047 | 0.018 | 0.018 | 0.052 | 0.006 |
| KK19-105004 | ASSAY | TB19302027 | 477.00 | 478.00 | 1.00 | 0.095 | 0.023 | 0.019 | 0.017 | 0.041 | 0.006 |
| KK19-105005 | ASSAY | TB19302027 | 478.00 | 479.00 | 1.00 | 0.148 | 0.031 | 0.014 | 0.012 | 0.043 | 0.005 |
| KK19-105006 | ASSAY | TB19302027 | 479.00 | 480.00 | 1.00 | 0.157 | 0.037 | 0.005 | 0.005 | 0.045 | 0.005 |
| KK19-105007 | ASSAY | TB19302027 | 480.00 | 481.00 | 1.00 | 0.139 | 0.035 | 0.014 | 0.016 | 0.046 | 0.006 |
| KK19-105008 | ASSAY | TB19302027 | 481.00 | 482.00 | 1.00 | 0.191 | 0.025 | 0.040 | 0.038 | 0.047 | 0.005 |
| KK19-105009 | ASSAY | TB19302027 | 482.00 | 483.00 | 1.00 | 0.026 | 0.010 | 0.009 | 0.008 | 0.027 | 0.004 |
| KK19-105010 | ASSAY | TB19302027 | 483.00 | 484.00 | 1.00 | 0.014 | 0.010 | 0.016 | 0.014 | 0.031 | 0.004 |
| KK19-105011 | ASSAY | TB19302027 | 484.00 | 485.00 | 1.00 | 0.054 | 0.011 | 0.028 | 0.025 | 0.038 | 0.005 |
| KK19-105012 | ASSAY | TB19302027 | 485.00 | 486.00 | 1.00 | 0.362 | 0.034 | 0.048 | 0.044 | 0.059 | 0.006 |
| KK19-105014 | ASSAY | TB19302027 | 486.00 | 487.00 | 1.00 | 0.164 | 0.027 | 0.020 | 0.021 | 0.035 | 0.004 |
| KK19-105015 | ASSAY | TB19302027 | 487.00 | 488.00 | 1.00 | 0.114 | 0.018 | 0.019 | 0.018 | 0.032 | 0.005 |
| KK19-105016 | ASSAY | TB19302027 | 488.00 | 489.00 | 1.00 | 1.260 | 0.207 | 0.031 | 0.018 | 0.045 | 0.005 |
| KK19-105017 | ASSAY | TB19302027 | 489.00 | 490.00 | 1.00 | 0.610 | 0.147 | 0.044 | 0.026 | 0.050 | 0.006 |
| KK19-105018 | ASSAY | TB19302027 | 490.00 | 491.00 | 1.00 | 1.140 | 0.148 | 0.048 | 0.035 | 0.074 | 0.007 |
| KK19-105019 | ASSAY | TB19302027 | 491.00 | 492.00 | 1.00 | 0.706 | 0.092 | 0.044 | 0.047 | 0.067 | 0.006 |
| KK19-105020 | ASSAY | TB19302027 | 492.00 | 493.00 | 1.00 | 0.538 | 0.070 | 0.019 | 0.010 | 0.038 | 0.005 |
| KK19-105021 | ASSAY | TB19302027 | 493.00 | 494.00 | 1.00 | 0.227 | 0.058 | 0.015 | 0.005 | 0.032 | 0.004 |
| KK19-105022 | ASSAY | TB19302027 | 494.00 | 495.00 | 1.00 | 0.330 | 0.094 | 0.023 | 0.011 | 0.035 | 0.005 |
| KK19-105023 | ASSAY | TB19302027 | 495.00 | 496.00 | 1.00 | 0.364 | 0.052 | 0.029 | 0.016 | 0.031 | 0.005 |
| KK19-105024 | ASSAY | TB19302027 | 496.00 | 497.00 | 1.00 | 0.418 | 0.087 | 0.029 | 0.014 | 0.039 | 0.005 |
| KK19-105025 | ASSAY | TB19302027 | 497.00 | 498.00 | 1.00 | 0.566 | 0.141 | 0.026 | 0.008 | 0.034 | 0.004 |
| KK19-105026 | ASSAY | TB19302027 | 498.00 | 499.00 | 1.00 | 0.183 | 0.052 | 0.012 | 0.008 | 0.032 | 0.005 |
| KK19-105027 | ASSAY | TB19302027 | 499.00 | 500.00 | 1.00 | 0.081 | 0.028 | 0.009 | 0.006 | 0.032 | 0.004 |
| KK19-105028 | ASSAY | TB19302027 | 500.00 | 501.00 | 1.00 | 0.130 | 0.038 | 0.010 | 0.007 | 0.029 | 0.004 |
| KK19-105029 | ASSAY | TB19302027 | 501.00 | 502.00 | 1.00 | 0.797 | 0.091 | 0.044 | 0.051 | 0.042 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-105030 | ASSAY | TB19302027 | 502.00 | 503.00 | 1.00 | 0.696 | 0.076 | 0.055 | 0.036 | 0.040 | 0.005 |
| | | | KK19-105031 | ASSAY | TB19302027 | 503.00 | 504.00 | 1.00 | 0.072 | 0.028 | 0.007 | 0.008 | 0.029 | 0.004 |
| | | | KK19-105032 | ASSAY | TB19302027 | 504.00 | 505.00 | 1.00 | 0.158 | 0.043 | 0.013 | 0.010 | 0.029 | 0.004 |
| | | | KK19-105034 | ASSAY | TB19302027 | 505.00 | 506.00 | 1.00 | 1.110 | 0.112 | 0.130 | 0.094 | 0.062 | 0.006 |
| | | | KK19-105035 | ASSAY | TB19302027 | 506.00 | 507.00 | 1.00 | 0.691 | 0.080 | 0.099 | 0.053 | 0.053 | 0.005 |
| | | | KK19-105036 | ASSAY | TB19302027 | 507.00 | 508.00 | 1.00 | 1.210 | 0.127 | 0.164 | 0.117 | 0.071 | 0.006 |
| | | | KK19-105037 | ASSAY | TB19302027 | 508.00 | 509.00 | 1.00 | 1.640 | 0.089 | 0.022 | 0.049 | 0.134 | 0.009 |
| | | | KK19-105038 | ASSAY | TB19302027 | 509.00 | 510.00 | 1.00 | 0.740 | 0.081 | 0.039 | 0.050 | 0.048 | 0.005 |
| | | | KK19-105039 | ASSAY | TB19302027 | 510.00 | 511.40 | 1.40 | 0.200 | 0.040 | 0.010 | 0.009 | 0.027 | 0.004 |
| 511.40 | 512.40 | **DIKE-Felsic**<br>aphanetic/fg mafic dike. Weakly banded in places with narrow stringers and veins, Quartz or Q-felds. Weak epidote+-bleaching proximal to lower contact. Small partially digested and altered gabbroic xenos. Trace diss fg and fracture fill Py. Upper contact is sharp and planar at 30dtca, lower at 53dtca. | KK19-105040 | ASSAY | TB19302027 | 511.40 | 512.40 | 1.00 | 0.044 | 0.010 | 0.002 | 0.004 | 0.008 | 0.001 |
| 512.40 | 523.75 | **GAB-Vt**<br>512.40 - 523.16m. Same as previous unit, just split by mafic dike. Interval shows increased veining and tonalitic xenos, when present they are generally deformed, boudinaged or broken. Pervassive moderate intensity chlorite-actinolite. Epidote and and patchy K increase downhole towards contact wtih QDIOR, also correlates with increased veining and def. Mineralization has dropped out relative to below the dike. Lower contact wtih QDIOR is irregular and gradational @ 20dtca. | KK19-105041 | ASSAY | TB19302027 | 512.40 | 513.00 | 0.60 | 0.026 | 0.006 | 0.002 | 0.004 | 0.014 | 0.002 |
| | | | KK19-105042 | ASSAY | TB19302027 | 513.00 | 514.00 | 1.00 | 0.040 | 0.010 | 0.004 | 0.006 | 0.023 | 0.003 |
| | | | KK19-105043 | ASSAY | TB19302027 | 514.00 | 515.00 | 1.00 | 1.030 | 0.096 | 0.016 | 0.027 | 0.054 | 0.004 |
| | | | KK19-105044 | ASSAY | TB19302027 | 515.00 | 516.00 | 1.00 | 0.531 | 0.038 | 0.020 | 0.026 | 0.032 | 0.004 |
| | | | KK19-105045 | ASSAY | TB19302027 | 516.00 | 517.00 | 1.00 | 0.149 | 0.019 | 0.009 | 0.012 | 0.029 | 0.003 |
| | | | KK19-105046 | ASSAY | TB19302027 | 517.00 | 518.00 | 1.00 | 0.152 | 0.013 | 0.004 | 0.005 | 0.023 | 0.003 |
| | | | KK19-105047 | ASSAY | TB19302027 | 518.00 | 519.00 | 1.00 | 0.142 | 0.016 | 0.011 | 0.014 | 0.026 | 0.004 |
| | | | KK19-105048 | ASSAY | TB19302027 | 519.00 | 520.00 | 1.00 | 0.499 | 0.027 | 0.010 | 0.009 | 0.026 | 0.004 |
| | | | KK19-105049 | ASSAY | TB19302027 | 520.00 | 521.00 | 1.00 | 0.068 | 0.012 | 0.015 | 0.015 | 0.024 | 0.004 |
| | | | KK19-105050 | ASSAY | TB19302027 | 521.00 | 522.00 | 1.00 | 0.790 | 0.049 | 0.263 | 0.135 | 0.077 | 0.006 |
| | | | KK19-105051 | ASSAY | TB19302027 | 522.00 | 523.00 | 1.00 | 0.232 | 0.024 | 0.046 | 0.030 | 0.026 | 0.005 |
| | | | KK19-105052 | ASSAY | TB19302027 | 523.00 | 523.75 | 0.75 | 0.146 | 0.014 | 0.010 | 0.012 | 0.009 | 0.002 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 523.75 | 537.79 | **QDIOR**<br>523.16 - 537.79m. Medium to dark grey/beige, variably foliated and banded in appearence, nonmineralized QDIOR. In places it does look a llittle like tonalite but ample amounts of blebby, blueish Quartz. Weak to moderate sericite-K-Epidote alt, in patches. Unit is split by narrow aphanetic, silicified mafic dike from 538 - 539m. Lower contact wtih dike is sharp and planar with weakly irregualr habit at 20dtca. | KK19-105054 | ASSAY | TB19302027 | 523.75 | 525.00 | 1.25 | 0.004 | 0.003 | 0.001 | 0.004 | 0.004 | 0.000 |
| | | | KK19-105055 | ASSAY | TB19302027 | 525.00 | 526.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.004 | 0.003 |
| | | | KK19-105056 | ASSAY | TB19302027 | 526.00 | 527.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.000 |
| | | | KK19-105057 | ASSAY | TB19302027 | 527.00 | 528.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| | | | KK19-105058 | ASSAY | TB19302027 | 528.00 | 529.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| | | | KK19-105059 | ASSAY | TB19302027 | 529.00 | 530.00 | 1.00 | 0.061 | 0.007 | 0.001 | 0.004 | 0.001 | 0.001 |
| | | | KK19-105060 | ASSAY | TB19302027 | 530.00 | 531.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.000 |
| | | | KK19-105061 | ASSAY | TB19302027 | 531.00 | 532.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| | | | KK19-105062 | ASSAY | TB19302027 | 532.00 | 533.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| | | | KK19-105063 | ASSAY | TB19302027 | 533.00 | 534.00 | 1.00 | 0.065 | 0.003 | 0.001 | 0.002 | 0.001 | 0.000 |
| | | | KK19-105064 | ASSAY | TB19302027 | 534.00 | 535.00 | 1.00 | 0.029 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| | | | KK19-105065 | ASSAY | TB19302027 | 535.00 | 536.50 | 1.50 | 0.029 | 0.003 | 0.002 | 0.003 | 0.002 | 0.000 |
| | | | KK19-105066 | ASSAY | TB19302027 | 536.50 | 537.79 | 1.29 | 0.239 | 0.024 | 0.005 | 0.012 | 0.009 | 0.000 |
| 537.79 | 538.98 | **DIKE-Mafic**<br>537.79 - 538.96m. Dark grey/green, aphanetic mafic dike. Moderate Silicificification and Epidote-Ser at upper and lower contact, stronger at lower. Dike is nonmineralized. Contacts are sharp, roughly planar at 20dtca. | KK19-105067 | ASSAY | TB19302027 | 537.79 | 538.96 | 1.17 | 0.017 | 0.006 | 0.003 | 0.011 | 0.017 | 0.005 |
| | | | KK19-105068 | ASSAY | TB19302027 | 538.96 | 540.00 | 1.04 | 0.020 | 0.003 | 0.001 | 0.004 | 0.001 | 0.000 |

| From | To | Lithology |
|---|---|---|
| 538.98 | 582.27 | **TON** |

538.98 - 582.27m. Tonalite. There are intervals that do appear to be very similar to the commonly observed gneissic tonalite but with increased quartz. Strong foliation/Gneissic banding is variable in intensity and orientation, varies from 70dtca - 20dtca, strongest is around 25-30dtca. This is likely due to the steep dip of the hole and how its hitting the foliation/gneissic banding along the contact wtih the intrusion. Trace fg-mg, disseminated Py, local increase proximal to lower contact with GABMG. Lower contact is sharp and planar at 70dtca.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105069 | ASSAY | TB19302027 | 540.00 | 541.00 | 1.00 | 0.040 | 0.003 | 0.002 | 0.010 | 0.002 | 0.001 |
| KK19-105073 | ASSAY | TB19302026 | 541.00 | 542.00 | 1.00 | 0.068 | 0.003 | 0.002 | 0.007 | 0.004 | 0.000 |
| KK19-105074 | ASSAY | TB19302026 | 542.00 | 543.00 | 1.00 | 0.061 | 0.005 | 0.001 | 0.007 | 0.003 | 0.000 |
| KK19-105075 | ASSAY | TB19302026 | 543.00 | 544.00 | 1.00 | 0.009 | 0.003 | 0.001 | 0.004 | 0.001 | 0.000 |
| KK19-105076 | ASSAY | TB19302026 | 544.00 | 545.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.001 | 0.001 |
| KK19-105077 | ASSAY | TB19302026 | 545.00 | 546.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.000 |
| KK19-105078 | ASSAY | TB19302026 | 546.00 | 547.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105079 | ASSAY | TB19302026 | 547.00 | 548.00 | 1.00 | 0.049 | 0.003 | 0.001 | 0.003 | 0.002 | 0.000 |
| KK19-105080 | ASSAY | TB19302026 | 548.00 | 549.00 | 1.00 | 0.009 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| KK19-105081 | ASSAY | TB19302026 | 549.00 | 550.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| KK19-105082 | ASSAY | TB19302026 | 550.00 | 551.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.000 |
| KK19-105083 | ASSAY | TB19302026 | 551.00 | 552.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.000 | 0.001 |
| KK19-105084 | ASSAY | TB19302026 | 552.00 | 553.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 |
| KK19-105085 | ASSAY | TB19302026 | 553.00 | 554.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105086 | ASSAY | TB19302026 | 554.00 | 555.00 | 1.00 | 0.006 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105087 | ASSAY | TB19302026 | 555.00 | 556.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| KK19-105088 | ASSAY | TB19302026 | 556.00 | 557.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| KK19-105089 | ASSAY | TB19302026 | 557.00 | 558.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105090 | ASSAY | TB19302026 | 558.00 | 559.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105092 | ASSAY | TB19302026 | 559.00 | 560.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| KK19-105093 | ASSAY | TB19302026 | 560.00 | 561.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105094 | ASSAY | TB19302026 | 561.00 | 562.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.001 |
| KK19-105095 | ASSAY | TB19302026 | 562.00 | 563.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105096 | ASSAY | TB19302026 | 563.00 | 564.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 |
| KK19-105097 | ASSAY | TB19302026 | 564.00 | 565.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105098 | ASSAY | TB19302026 | 565.00 | 566.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 |
| KK19-105099 | ASSAY | TB19302026 | 566.00 | 567.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105100 | ASSAY | TB19302026 | 567.00 | 568.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105101 | ASSAY | TB19302026 | 568.00 | 569.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 |
| KK19-105102 | ASSAY | TB19302026 | 569.00 | 570.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| KK19-105103 | ASSAY | TB19302026 | 570.00 | 571.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.002 | 0.002 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | KK19-105104 | ASSAY | TB19302026 | 571.00 | 572.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.002 | 0.002 |
| | | | KK19-105105 | ASSAY | TB19302026 | 572.00 | 573.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.002 | 0.002 |
| | | | KK19-105106 | ASSAY | TB19302026 | 573.00 | 574.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.004 | 0.002 |
| | | | KK19-105107 | ASSAY | TB19302026 | 574.00 | 575.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.003 | 0.002 |
| | | | KK19-105108 | ASSAY | TB19302026 | 575.00 | 576.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.003 | 0.002 |
| | | | KK19-105109 | ASSAY | TB19302026 | 576.00 | 577.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.002 | 0.002 |
| | | | KK19-105110 | ASSAY | TB19302026 | 577.00 | 578.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.002 | 0.002 |
| | | | KK19-105112 | ASSAY | TB19302026 | 578.00 | 579.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| | | | KK19-105113 | ASSAY | TB19302026 | 579.00 | 580.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| | | | KK19-105114 | ASSAY | TB19302026 | 580.00 | 581.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| | | | KK19-105115 | ASSAY | TB19302026 | 581.00 | 581.50 | 0.50 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| | | | KK19-105116 | ASSAY | TB19302026 | 581.50 | 582.27 | 0.77 | 0.001 | 0.003 | 0.001 | 0.008 | 0.002 | 0.001 |
| 582.27 | 594.25 | **GAB** | KK19-105117 | ASSAY | TB19302026 | 582.27 | 583.00 | 0.73 | 0.261 | 0.039 | 0.021 | 0.095 | 0.063 | 0.005 |
| 582.27 - 594.25m. Dark dull green, mg, strongly altered and variably mineralized GABMG. Mg-Cg rounded to subrounded beige plag phenocrysts/xenocrysts?. Moderate to strongly mineralized with both blebby and fg intercumulate Py-Cpy>>Po, 0.5-1.5% in patches. Lower contact with mineralized QDIOR unit is sharp and roughly planar at 25dtca. | | | KK19-105118 | ASSAY | TB19302026 | 583.00 | 584.00 | 1.00 | 0.288 | 0.048 | 0.118 | 0.087 | 0.064 | 0.006 |
| | | | KK19-105119 | ASSAY | TB19302026 | 584.00 | 585.00 | 1.00 | 0.401 | 0.064 | 0.113 | 0.081 | 0.078 | 0.007 |
| | | | KK19-105120 | ASSAY | TB19302026 | 585.00 | 586.00 | 1.00 | 0.570 | 0.079 | 0.142 | 0.129 | 0.093 | 0.006 |
| | | | KK19-105121 | ASSAY | TB19302026 | 586.00 | 587.00 | 1.00 | 0.448 | 0.057 | 0.092 | 0.099 | 0.077 | 0.006 |
| | | | KK19-105122 | ASSAY | TB19302026 | 587.00 | 588.00 | 1.00 | 0.972 | 0.141 | 0.254 | 0.241 | 0.177 | 0.010 |
| | | | KK19-105123 | ASSAY | TB19302026 | 588.00 | 589.00 | 1.00 | 1.000 | 0.151 | 0.294 | 0.283 | 0.209 | 0.011 |
| | | | KK19-105124 | ASSAY | TB19302026 | 589.00 | 590.00 | 1.00 | 0.922 | 0.144 | 0.280 | 0.274 | 0.194 | 0.011 |
| | | | KK19-105125 | ASSAY | TB19302026 | 590.00 | 591.00 | 1.00 | 0.877 | 0.129 | 0.247 | 0.218 | 0.157 | 0.010 |
| | | | KK19-105126 | ASSAY | TB19302026 | 591.00 | 592.00 | 1.00 | 1.815 | 0.219 | 0.357 | 0.294 | 0.192 | 0.008 |
| | | | KK19-105127 | ASSAY | TB19302026 | 592.00 | 593.00 | 1.00 | 2.050 | 0.244 | 0.403 | 0.317 | 0.227 | 0.008 |
| | | | KK19-105128 | ASSAY | TB19302026 | 593.00 | 594.25 | 1.25 | 1.455 | 0.153 | 0.259 | 0.219 | 0.138 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 594.25 | 597.52 | **QDIOR-VBx**<br>594.25 - 597.52m. Mottled and whispy/blotchy grey and beige, strongly mineralized QDIOR Bx. Interval is underlain by more homogeneous QDIOR seen above. This interval is cut by several Q-felds veins of various widths. Random fracture planes with Ser+-Py infill occasionally show minor offsets and truncations. Mineralization is primarily diss to intercumulate Py-Cpy with localized patches containing lesser Po. Mineralization ranges from 1-5% on 10cm scale. Lower contact with weakly mineralized homogeneous QDIOR is at 597.52m at 50dtca. Contact zone forms an irregular, fragmented, mixed and altered over 0.5m into underlying QDIOR. | KK19-105129 | ASSAY | TB19302026 | 594.25 | 595.00 | 0.75 | 0.588 | 0.056 | 0.103 | 0.103 | 0.062 | 0.003 |
| | | | KK19-105130 | ASSAY | TB19302026 | 595.00 | 596.00 | 1.00 | 0.531 | 0.067 | 0.066 | 0.087 | 0.061 | 0.003 |
| | | | KK19-105132 | ASSAY | TB19302026 | 596.00 | 596.75 | 0.75 | 3.680 | 0.514 | 0.197 | 0.278 | 0.358 | 0.011 |
| | | | KK19-105133 | ASSAY | TB19302026 | 596.75 | 597.52 | 0.77 | 6.110 | 0.801 | 0.992 | 0.537 | 0.401 | 0.011 |
| 597.52 | 602.98 | **QDIOR**<br>597.52 - 602.98m. Finer grained and more homogeneous QDIOR. Proximal to upper contact the unit is composed of just plag and quartz with mafics slowly grading in. Foliation is patchy and variable, 30-50dca. Epidote-Ser-K is patchy and weak. Mineralization is at trace levels, 0.1% blebby Cpy-Py. Unit is split by two dikes, both altered, one mafic and one felsic. Lower contact is sharp and planar at 80dtca. | KK19-105134 | ASSAY | TB19302026 | 597.52 | 598.20 | 0.68 | 1.740 | 0.191 | 0.082 | 0.270 | 0.150 | 0.004 |
| | | | KK19-105135 | ASSAY | TB19302026 | 598.20 | 599.00 | 0.80 | 1.610 | 0.246 | 0.023 | 0.038 | 0.127 | 0.004 |
| | | | KK19-105136 | ASSAY | TB19302026 | 599.00 | 600.00 | 1.00 | 0.221 | 0.017 | 0.007 | 0.020 | 0.010 | 0.001 |
| | | | KK19-105137 | ASSAY | TB19302026 | 600.00 | 601.00 | 1.00 | 0.124 | 0.011 | 0.006 | 0.007 | 0.003 | 0.000 |
| | | | KK19-105138 | ASSAY | TB19302026 | 601.00 | 602.25 | 1.25 | 0.111 | 0.013 | 0.003 | 0.006 | 0.004 | 0.001 |
| | | | KK19-105139 | ASSAY | TB19302026 | 602.25 | 602.98 | 0.73 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| 602.98 | 604.75 | **DIKE-Intermediate**<br>602.98 - 604.75m. Medium greenish red grey, fg strongly altered intermediate dike. Very competent, weakly silicified. Pervassive weak to mod ser-silica-K alt. Little fractures but when present planar and filled by Quartz+-very fg Py. Upper and lower contacts are both sharp and planar at 60dtca. | KK19-105140 | ASSAY | TB19302026 | 602.98 | 604.00 | 1.02 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| | | | KK19-105141 | ASSAY | TB19302026 | 604.00 | 604.75 | 0.75 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |

| From | To | Lithology |
|---|---|---|
| 604.75 | 636.51 | **TON** |

604.75 - 623.00m. Mg, salt and pepper, grey and beige Tonalite. Patchy wk K-ser-Epi throughout. Trace Py occuring as fracture fills and randomly distributed fg-mg euhedral grains.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105142 | ASSAY | TB19302026 | 604.75 | 606.00 | 1.25 | 0.086 | 0.010 | 0.005 | 0.005 | 0.002 | 0.000 |
| KK19-105143 | ASSAY | TB19302026 | 606.00 | 607.00 | 1.00 | 0.089 | 0.009 | 0.003 | 0.006 | 0.003 | 0.001 |
| KK19-105144 | ASSAY | TB19302026 | 607.00 | 608.00 | 1.00 | 0.181 | 0.017 | 0.005 | 0.007 | 0.003 | 0.001 |
| KK19-105145 | ASSAY | TB19302026 | 608.00 | 609.00 | 1.00 | 0.278 | 0.025 | 0.018 | 0.006 | 0.004 | 0.001 |
| KK19-105146 | ASSAY | TB19302026 | 609.00 | 610.00 | 1.00 | 0.016 | 0.003 | 0.001 | 0.003 | 0.001 | 0.000 |
| KK19-105147 | ASSAY | TB19302026 | 610.00 | 611.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.004 | 0.001 | 0.000 |
| KK19-105151 | ASSAY | TB20013961 | 611.00 | 612.00 | 1.00 | 0.016 | 0.003 | 0.001 | 0.005 | 0.002 | 0.001 |
| KK19-105152 | ASSAY | TB20013961 | 612.00 | 613.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.003 | 0.000 | 0.000 |
| KK19-105153 | ASSAY | TB20013961 | 613.00 | 614.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.000 | 0.000 |
| KK19-105154 | ASSAY | TB20013961 | 614.00 | 615.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.000 |
| KK19-105155 | ASSAY | TB20013961 | 615.00 | 616.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.000 |
| KK19-105156 | ASSAY | TB20013961 | 616.00 | 617.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.000 |
| KK19-105157 | ASSAY | TB20013961 | 617.00 | 618.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.001 |
| KK19-105158 | ASSAY | TB20013961 | 618.00 | 619.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.000 | 0.000 |
| KK19-105159 | ASSAY | TB20013961 | 619.00 | 620.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.000 |
| KK19-105160 | ASSAY | TB20013961 | 620.00 | 621.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.000 | 0.000 |
| KK19-105161 | ASSAY | TB20013961 | 621.00 | 622.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.000 | 0.001 |
| KK19-105162 | ASSAY | TB20013961 | 622.00 | 623.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.000 |
| KK19-105163 | ASSAY | TB20013961 | 623.00 | 624.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.000 |
| KK19-105164 | ASSAY | TB20013961 | 624.00 | 625.00 | 1.00 | 0.001 | 0.003 | 0.003 | 0.007 | 0.003 | 0.001 |
| KK19-105165 | ASSAY | TB20013961 | 625.00 | 626.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.001 | 0.001 |
| KK19-105166 | ASSAY | TB20013961 | 626.00 | 627.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.030 | 0.006 | 0.004 |
| KK19-105167 | ASSAY | TB20013961 | 627.00 | 628.00 | 1.00 | 0.014 | 0.003 | 0.001 | 0.017 | 0.009 | 0.005 |
| KK19-105168 | ASSAY | TB20013961 | 628.00 | 629.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.015 | 0.012 | 0.006 |
| KK19-105170 | ASSAY | TB20013961 | 629.00 | 630.00 | 1.00 | 0.015 | 0.003 | 0.001 | 0.010 | 0.008 | 0.002 |
| KK19-105171 | ASSAY | TB20013961 | 630.00 | 631.00 | 1.00 | 0.011 | 0.003 | 0.001 | 0.011 | 0.010 | 0.003 |
| KK19-105172 | ASSAY | TB20013961 | 631.00 | 632.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.010 | 0.002 | 0.002 |
| KK19-105173 | ASSAY | TB20013961 | 632.00 | 633.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.017 | 0.001 | 0.001 |
| KK19-105174 | ASSAY | TB20013961 | 633.00 | 634.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.000 | 0.001 |
| KK19-105175 | ASSAY | TB20013961 | 634.00 | 635.24 | 1.24 | 0.001 | 0.003 | 0.001 | 0.002 | 0.000 | 0.001 |
| KK19-105176 | ASSAY | TB20013961 | 635.24 | 636.51 | 1.27 | 0.003 | 0.003 | 0.001 | 0.004 | 0.001 | 0.001 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 636.51 | 638.28 | **DIKE-Intermediate**<br>Intermediate dyke - Fine- to medium-grained, brown-beige-grey-green-black-white in colour with a moderate to strong degree of epidote a K alteration. Vfg disseminated py occurs in a trace abundance.<br><br>Some portions of the interval appear similar to strongly altered TON. | KK19-105177 | ASSAY | TB20013961 | 636.51 | 637.37 | 0.86 | 0.001 | 0.003 | 0.001 | 0.006 | 0.002 | 0.001 |
| | | | KK19-105178 | ASSAY | TB20013961 | 637.37 | 638.28 | 0.91 | 0.001 | 0.003 | 0.001 | 0.006 | 0.002 | 0.001 |
| 638.28 | 642.09 | **TON**<br>Medium-grained, grey-white-black-beige-green-pink in colour with a weak to moderate degree of epidote and K alteration.<br>Variably foliated with a generally weak foliation.<br>Vfg-fg py occurs as disseminations and occasional veins in a trace abundance. | KK19-105179 | ASSAY | TB20013961 | 638.28 | 639.72 | 1.44 | 0.003 | 0.003 | 0.001 | 0.002 | 0.006 | 0.003 |
| | | | KK19-105180 | ASSAY | TB20013961 | 639.72 | 641.00 | 1.28 | 0.004 | 0.003 | 0.001 | 0.007 | 0.007 | 0.003 |
| | | | KK19-105181 | ASSAY | TB20013961 | 641.00 | 642.00 | 1.00 | 0.011 | 0.005 | 0.001 | 0.005 | 0.008 | 0.003 |
| | | | KK19-105182 | ASSAY | TB20013961 | 642.00 | 643.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.003 | 0.002 |
| 642.09 | 643.14 | **DIKE-Intermediate**<br>Intermediate dyke - Fine- to medium-grained, brown-beige-grey-green-black-white in colour with a moderate to strong degree of epidote a K alteration. Vfg disseminated py occurs in a trace abundance.<br><br>Some portions of the interval appear similar to strongly altered TON. | KK19-105183 | ASSAY | TB20013961 | 643.00 | 644.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.004 | 0.001 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 643.14 | 666.85 | **TON**<br>Medium-grained, grey-white-black-beige-green-pink in colour with a weak to moderate degree of epidote and K alteration.<br>Variably foliated with a weak to strong foliation.<br><br>Vfg-fg py occurs as disseminations and occasional veins in a trace abundance.<br><br>Upper contact is sharp with an intermediate dyke. Lower contact is sharp with a unit of gabbroic composition. | KK19-105184 | ASSAY | TB20013961 | 644.00 | 645.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.001 |
| | | | KK19-105185 | ASSAY | TB20013961 | 645.00 | 646.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.003 | 0.002 |
| | | | KK19-105186 | ASSAY | TB20013961 | 646.00 | 647.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.004 | 0.002 |
| | | | KK19-105187 | ASSAY | TB20013961 | 647.00 | 648.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.005 | 0.008 | 0.002 |
| | | | KK19-105188 | ASSAY | TB20013961 | 648.00 | 649.00 | 1.00 | 0.018 | 0.003 | 0.001 | 0.006 | 0.007 | 0.003 |
| | | | KK19-105190 | ASSAY | TB20013961 | 649.00 | 650.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.005 | 0.005 | 0.002 |
| | | | KK19-105191 | ASSAY | TB20013961 | 650.00 | 651.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.011 | 0.001 | 0.001 |
| | | | KK19-105192 | ASSAY | TB20013961 | 651.00 | 652.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| | | | KK19-105193 | ASSAY | TB20013961 | 652.00 | 653.00 | 1.00 | 0.021 | 0.003 | 0.003 | 0.017 | 0.004 | 0.001 |
| | | | KK19-105194 | ASSAY | TB20013961 | 653.00 | 654.00 | 1.00 | 0.158 | 0.026 | 0.029 | 0.048 | 0.047 | 0.003 |
| | | | KK19-105195 | ASSAY | TB20013961 | 654.00 | 655.00 | 1.00 | 0.075 | 0.014 | 0.005 | 0.032 | 0.020 | 0.002 |
| | | | KK19-105196 | ASSAY | TB20013961 | 655.00 | 656.00 | 1.00 | 0.013 | 0.003 | 0.001 | 0.011 | 0.007 | 0.002 |
| | | | KK19-105197 | ASSAY | TB20013961 | 656.00 | 657.00 | 1.00 | 0.333 | 0.024 | 0.014 | 0.010 | 0.014 | 0.002 |
| | | | KK19-105198 | ASSAY | TB20013961 | 657.00 | 658.00 | 1.00 | 0.275 | 0.026 | 0.014 | 0.008 | 0.011 | 0.002 |
| | | | KK19-105199 | ASSAY | TB20013961 | 658.00 | 659.00 | 1.00 | 0.013 | 0.003 | 0.001 | 0.005 | 0.002 | 0.001 |
| | | | KK19-105200 | ASSAY | TB20013961 | 659.00 | 660.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.000 |
| | | | KK19-105201 | ASSAY | TB20013961 | 660.00 | 661.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| | | | KK19-105202 | ASSAY | TB20013961 | 661.00 | 662.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| | | | KK19-105203 | ASSAY | TB20013961 | 662.00 | 663.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.001 | 0.000 |
| | | | KK19-105204 | ASSAY | TB20013961 | 663.00 | 664.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.000 |
| | | | KK19-105205 | ASSAY | TB20013961 | 664.00 | 665.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.000 | 0.001 | 0.000 |
| | | | KK19-105206 | ASSAY | TB20013961 | 665.00 | 666.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.000 |
| | | | KK19-105207 | ASSAY | TB20013961 | 666.00 | 666.85 | 0.85 | 0.240 | 0.043 | 0.002 | 0.027 | 0.029 | 0.002 |
| 666.85 | 669.71 | **GAB**<br>Gabbroic composition - Fine- to medium-grained, grey-black-white-green in colour with a weak degree of chl-act alteration.<br>Pyx:plg ratio is generally 65:35. Grain boundaries are generally sharp.<br><br>Disseminated py occurs in a trace abundance.<br><br>Upper contact is sharp with TON. Lower contact is gradational | KK19-105208 | ASSAY | TB20013961 | 666.85 | 668.00 | 1.15 | 0.042 | 0.003 | 0.003 | 0.022 | 0.013 | 0.004 |
| | | | KK19-105210 | ASSAY | TB20013961 | 668.00 | 668.85 | 0.85 | 0.003 | 0.003 | 0.002 | 0.014 | 0.015 | 0.005 |
| | | | KK19-105211 | ASSAY | TB20013961 | 668.85 | 669.71 | 0.86 | 0.001 | 0.003 | 0.001 | 0.017 | 0.009 | 0.003 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 669.71 | 685.50 | **QDIOR**<br>QDIOR-TON composition - Dominantly medium-grained with lesser fine-grained material as mafic xenoliths, segregations or dykes. Grey-black-white-beige-green-blue-pink in colour with a weak degree of epidote and K alteration as well as lesser weak chl-act alteration in mafic material.<br><br>Trace py occurs throughout the interval. | KK19-105212 | ASSAY | TB20013961 | 669.71 | 670.85 | 1.14 | 0.099 | 0.014 | 0.003 | 0.008 | 0.008 | 0.001 |
| | | | KK19-105213 | ASSAY | TB20013961 | 670.85 | 672.00 | 1.15 | 1.300 | 0.102 | 0.043 | 0.042 | 0.069 | 0.003 |
| | | | KK19-105214 | ASSAY | TB20013961 | 672.00 | 673.00 | 1.00 | 0.881 | 0.066 | 0.026 | 0.026 | 0.047 | 0.003 |
| | | | KK19-105215 | ASSAY | TB20013961 | 673.00 | 674.00 | 1.00 | 0.007 | 0.003 | 0.002 | 0.011 | 0.003 | 0.001 |
| | | | KK19-105216 | ASSAY | TB20013961 | 674.00 | 675.00 | 1.00 | 0.019 | 0.003 | 0.001 | 0.008 | 0.003 | 0.001 |
| | | | KK19-105217 | ASSAY | TB20013961 | 675.00 | 676.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.007 | 0.004 | 0.002 |
| | | | KK19-105218 | ASSAY | TB20013961 | 676.00 | 677.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.006 | 0.003 | 0.002 |
| | | | KK19-105219 | ASSAY | TB20013961 | 677.00 | 678.00 | 1.00 | 0.020 | 0.003 | 0.001 | 0.007 | 0.007 | 0.001 |
| | | | KK19-105220 | ASSAY | TB20013961 | 678.00 | 679.00 | 1.00 | 0.049 | 0.008 | 0.007 | 0.009 | 0.008 | 0.002 |
| | | | KK19-105221 | ASSAY | TB20013961 | 679.00 | 680.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.006 | 0.004 | 0.002 |
| | | | KK19-105222 | ASSAY | TB20013961 | 680.00 | 681.00 | 1.00 | 0.010 | 0.003 | 0.001 | 0.008 | 0.005 | 0.002 |
| | | | KK19-105223 | ASSAY | TB20013961 | 681.00 | 682.00 | 1.00 | 0.081 | 0.010 | 0.005 | 0.011 | 0.008 | 0.003 |
| | | | KK19-105224 | ASSAY | TB20013961 | 682.00 | 683.00 | 1.00 | 0.233 | 0.015 | 0.009 | 0.016 | 0.008 | 0.002 |
| | | | KK19-105225 | ASSAY | TB20013961 | 683.00 | 684.25 | 1.25 | 0.024 | 0.003 | 0.008 | 0.021 | 0.007 | 0.003 |
| | | | KK19-105229 | ASSAY | TB20013964 | 684.25 | 685.50 | 1.25 | 0.117 | 0.009 | 0.015 | 0.014 | 0.007 | 0.003 |
| 685.50 | 693.16 | **GAB**<br>Mixed interval of mafic magnetic composition (~60%) and quartz dioritic to tonalitic rocks (~40%) - Fine- to medium-grained, green-grey-black-white-blue-purple in colour with a variably distributed weak degree of epidote and chl-act alteration.<br><br>Mafic intervals maybe xenoliths or mafic dyke material.<br><br>Vfg-fg py occurs as disseminations and in veins in an abundance of 0.3%.<br><br>Upper extent of unit is gradational. Lower contact of unit is gradational and sheared. | KK19-105230 | ASSAY | TB20013964 | 685.50 | 686.75 | 1.25 | 0.011 | 0.003 | 0.003 | 0.011 | 0.012 | 0.004 |
| | | | KK19-105231 | ASSAY | TB20013964 | 686.75 | 688.00 | 1.25 | 0.247 | 0.012 | 0.005 | 0.022 | 0.018 | 0.005 |
| | | | KK19-105232 | ASSAY | TB20013964 | 688.00 | 689.00 | 1.00 | 0.067 | 0.007 | 0.004 | 0.019 | 0.009 | 0.006 |
| | | | KK19-105233 | ASSAY | TB20013964 | 689.00 | 690.00 | 1.00 | 0.038 | 0.003 | 0.005 | 0.018 | 0.008 | 0.005 |
| | | | KK19-105234 | ASSAY | TB20013964 | 690.00 | 691.00 | 1.00 | 0.013 | 0.003 | 0.003 | 0.017 | 0.006 | 0.003 |
| | | | KK19-105235 | ASSAY | TB20013964 | 691.00 | 692.00 | 1.00 | 0.015 | 0.003 | 0.002 | 0.014 | 0.011 | 0.004 |
| | | | KK19-105236 | ASSAY | TB20013964 | 692.00 | 693.16 | 1.16 | 0.148 | 0.020 | 0.007 | 0.027 | 0.022 | 0.005 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 693.16 | 712.00 | **QDIOR**<br>QDIOR-TON composition - Dominantly medium-grained with lesser fine-grained material as mafic xenoliths, segregations or dykes. Grey-black-white-beige-green-blue-pink in colour with a weak degree of epidote and K alteration as well as lesser weak chl-act alteration in mafic material.<br><br>Trace py occurs throughout the interval.<br><br>A fault zone consisting of abundantly fractured material is present from 698.40-699m, partly intersecting a qtz-plg-bt vein. | KK19-105237 | ASSAY | TB20013964 | 693.16 | 694.00 | 0.84 | 0.312 | 0.027 | 0.015 | 0.023 | 0.014 | 0.002 |
| | | | KK19-105238 | ASSAY | TB20013964 | 694.00 | 695.00 | 1.00 | 0.074 | 0.006 | 0.004 | 0.008 | 0.004 | 0.001 |
| | | | KK19-105239 | ASSAY | TB20013964 | 695.00 | 696.00 | 1.00 | 0.076 | 0.003 | 0.003 | 0.005 | 0.006 | 0.001 |
| | | | KK19-105240 | ASSAY | TB20013964 | 696.00 | 697.00 | 1.00 | 0.029 | 0.003 | 0.004 | 0.010 | 0.002 | 0.001 |
| | | | KK19-105241 | ASSAY | TB20013964 | 697.00 | 698.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.005 | 0.001 | 0.001 |
| | | | KK19-105242 | ASSAY | TB20013964 | 698.00 | 699.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.005 | 0.001 | 0.001 |
| | | | KK19-105243 | ASSAY | TB20013964 | 699.00 | 700.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.013 | 0.013 | 0.004 |
| | | | KK19-105244 | ASSAY | TB20013964 | 700.00 | 701.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.006 | 0.012 | 0.003 |
| | | | KK19-105245 | ASSAY | TB20013964 | 701.00 | 702.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.005 | 0.002 |
| | | | KK19-105246 | ASSAY | TB20013964 | 702.00 | 703.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.008 | 0.005 | 0.003 |
| | | | KK19-105248 | ASSAY | TB20013964 | 703.00 | 704.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.010 | 0.006 | 0.003 |
| | | | KK19-105249 | ASSAY | TB20013964 | 704.00 | 705.00 | 1.00 | 0.104 | 0.009 | 0.004 | 0.006 | 0.004 | 0.002 |
| | | | KK19-105250 | ASSAY | TB20013964 | 705.00 | 706.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.003 | 0.001 | 0.002 |
| | | | KK19-105251 | ASSAY | TB20013964 | 706.00 | 707.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.005 | 0.001 | 0.002 |
| | | | KK19-105252 | ASSAY | TB20013964 | 707.00 | 708.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.009 | 0.006 | 0.003 |
| | | | KK19-105253 | ASSAY | TB20013964 | 708.00 | 709.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.004 | 0.003 |
| | | | KK19-105254 | ASSAY | TB20013964 | 709.00 | 710.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.001 | 0.001 |
| | | | KK19-105255 | ASSAY | TB20013964 | 710.00 | 711.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.001 | 0.001 |
| | | | KK19-105256 | ASSAY | TB20013964 | 711.00 | 712.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.002 | 0.001 |
| 712.00 | 716.69 | **DIOR**<br>Dominantly melanocratic DIOR composition with lesser QDIOR composition - Medium-grained, grey-white-black-green in colour with a weak degree of chl-act alteration and lesser weak degree of epidote and K-alteration.<br><br>Disseminations and veins of pyrite occur in a trace abundance. Chalcopyrite along fracture faces is present in a trace abnudance, likely representing remobilized chalcopyrite. | KK19-105257 | ASSAY | TB20013964 | 712.00 | 713.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.016 | 0.009 | 0.004 |
| | | | KK19-105258 | ASSAY | TB20013964 | 713.00 | 714.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.014 | 0.009 | 0.005 |
| | | | KK19-105259 | ASSAY | TB20013964 | 714.00 | 715.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| | | | KK19-105260 | ASSAY | TB20013964 | 715.00 | 715.88 | 0.88 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| | | | KK19-105261 | ASSAY | TB20013964 | 715.88 | 716.69 | 0.81 | 0.001 | 0.003 | 0.005 | 0.009 | 0.006 | 0.003 |

| From | To | Lithology |
|---|---|---|
| 716.69 | 747.65 | **QDIOR** |

QDIOR to DIOR compositions with lesser mafic compositions - Fine- to medium-grained, white-beige-grey-black-green pink in colour with a variably distributed weak to moderate degree of epidote, K and chl alteration.

The interval 736.10-738.04m contains abundant fractures and joints and exhibits a moderate degree of epidote and weak to moderate degree of K-alteration.
Additional fractured material is present from 740.10-740.67m.
The interval 740.84-741.91m exhibits a weak to moderate degree of epidote and K alteration.

Trace py occurs throughuot the interval. From 746.69-746.92m, vfg-cg ccp occurs in an abundance of 2% as likely remobilized sulphide.

Upper contact with more melanocratic material is gradational. Lower contact is sharp with an intermediate dyke.

| Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105262 | ASSAY | TB20013964 | 716.69 | 717.85 | 1.16 | 0.083 | 0.012 | 0.001 | 0.008 | 0.004 | 0.001 |
| KK19-105263 | ASSAY | TB20013964 | 717.85 | 719.00 | 1.15 | 0.034 | 0.006 | 0.001 | 0.005 | 0.003 | 0.002 |
| KK19-105264 | ASSAY | TB20013964 | 719.00 | 720.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.003 | 0.001 | 0.001 |
| KK19-105265 | ASSAY | TB20013964 | 720.00 | 721.00 | 1.00 | 0.009 | 0.003 | 0.001 | 0.008 | 0.002 | 0.001 |
| KK19-105266 | ASSAY | TB20013964 | 721.00 | 722.00 | 1.00 | 0.018 | 0.003 | 0.001 | 0.004 | 0.001 | 0.001 |
| KK19-105268 | ASSAY | TB20013964 | 722.00 | 723.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.010 | 0.002 | 0.001 |
| KK19-105269 | ASSAY | TB20013964 | 723.00 | 724.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.012 | 0.002 | 0.001 |
| KK19-105270 | ASSAY | TB20013964 | 724.00 | 725.00 | 1.00 | 0.100 | 0.023 | 0.004 | 0.017 | 0.016 | 0.004 |
| KK19-105271 | ASSAY | TB20013964 | 725.00 | 726.00 | 1.00 | 0.051 | 0.014 | 0.003 | 0.014 | 0.012 | 0.003 |
| KK19-105272 | ASSAY | TB20013964 | 726.00 | 727.00 | 1.00 | 0.027 | 0.005 | 0.003 | 0.013 | 0.005 | 0.001 |
| KK19-105273 | ASSAY | TB20013964 | 727.00 | 728.00 | 1.00 | 0.039 | 0.003 | 0.004 | 0.024 | 0.007 | 0.002 |
| KK19-105274 | ASSAY | TB20013964 | 728.00 | 729.00 | 1.00 | 0.025 | 0.005 | 0.001 | 0.008 | 0.009 | 0.003 |
| KK19-105275 | ASSAY | TB20013964 | 729.00 | 730.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.005 | 0.004 | 0.002 |
| KK19-105276 | ASSAY | TB20013964 | 730.00 | 731.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.001 | 0.002 | 0.001 |
| KK19-105277 | ASSAY | TB20013964 | 731.00 | 732.00 | 1.00 | 0.006 | 0.003 | 0.001 | 0.009 | 0.002 | 0.001 |
| KK19-105278 | ASSAY | TB20013964 | 732.00 | 733.00 | 1.00 | 0.005 | 0.003 | 0.001 | 0.005 | 0.006 | 0.002 |
| KK19-105279 | ASSAY | TB20013964 | 733.00 | 734.00 | 1.00 | 0.031 | 0.007 | 0.001 | 0.008 | 0.009 | 0.003 |
| KK19-105280 | ASSAY | TB20013964 | 734.00 | 735.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.003 | 0.002 |
| KK19-105281 | ASSAY | TB20013964 | 735.00 | 736.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.003 | 0.002 | 0.001 |
| KK19-105282 | ASSAY | TB20013964 | 736.00 | 737.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.002 | 0.001 | 0.001 |
| KK19-105283 | ASSAY | TB20013964 | 737.00 | 738.00 | 1.00 | 0.014 | 0.005 | 0.001 | 0.002 | 0.002 | 0.001 |
| KK19-105284 | ASSAY | TB20013964 | 738.00 | 739.00 | 1.00 | 0.003 | 0.003 | 0.001 | 0.004 | 0.002 | 0.001 |
| KK19-105285 | ASSAY | TB20013964 | 739.00 | 740.00 | 1.00 | 0.002 | 0.003 | 0.001 | 0.004 | 0.002 | 0.002 |
| KK19-105286 | ASSAY | TB20013964 | 740.00 | 741.00 | 1.00 | 0.025 | 0.005 | 0.002 | 0.009 | 0.003 | 0.002 |
| KK19-105288 | ASSAY | TB20013964 | 741.00 | 742.00 | 1.00 | 0.009 | 0.003 | 0.003 | 0.009 | 0.005 | 0.002 |
| KK19-105289 | ASSAY | TB20013964 | 742.00 | 743.00 | 1.00 | 0.004 | 0.003 | 0.001 | 0.008 | 0.008 | 0.003 |
| KK19-105290 | ASSAY | TB20013964 | 743.00 | 744.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.006 | 0.003 | 0.002 |
| KK19-105291 | ASSAY | TB20013964 | 744.00 | 745.00 | 1.00 | 0.026 | 0.006 | 0.001 | 0.007 | 0.004 | 0.002 |
| KK19-105292 | ASSAY | TB20013964 | 745.00 | 745.85 | 0.85 | 0.160 | 0.040 | 0.003 | 0.022 | 0.018 | 0.002 |
| KK19-105293 | ASSAY | TB20013964 | 745.85 | 746.69 | 0.84 | 0.001 | 0.003 | 0.004 | 0.020 | 0.002 | 0.002 |
| KK19-105294 | ASSAY | TB20013964 | 746.69 | 747.65 | 0.96 | 0.001 | 0.003 | 0.002 | 0.384 | 0.002 | 0.001 |

| From | To | Lithology | Sample # | Sample Type | Lab # | From | To | Len | Pd ppm | Pt ppm | Au ppm | Cu % | Co % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 747.65 | 749.66 | **DIKE-Intermediate**<br>Intermediate dyke - Fine- to medium-grained, brown-beige-grey-green-black-white in colour with a moderate to strong degree of epidote a K alteration. Vfg disseminated py occurs in a trace abundance.<br><br>Some portions of the interval appear similar to strongly altered TON. | KK19-105295 | ASSAY | TB20013964 | 747.65 | 748.65 | 1.00 | 0.001 | 0.003 | 0.001 | 0.004 | 0.002 | 0.001 |
| | | | KK19-105296 | ASSAY | TB20013964 | 748.65 | 749.66 | 1.01 | 0.001 | 0.003 | 0.001 | 0.004 | 0.002 | 0.001 |
| 749.66 | 752.33 | **QDIOR**<br>QDIOR to TON compositions - Fine- to medium-grained, white-beige-grey-black-green pink in colour with a variably distributed weak to moderate degree of pervasive and vein epidote and K alteration.<br><br>Vfg disseminated py occurs in a trace abundance. | KK19-105297 | ASSAY | TB20013964 | 749.66 | 750.90 | 1.24 | 0.001 | 0.003 | 0.001 | 0.003 | 0.003 | 0.001 |
| | | | KK19-105298 | ASSAY | TB20013964 | 750.90 | 752.33 | 1.43 | 0.001 | 0.003 | 0.001 | 0.004 | 0.002 | 0.001 |
| 752.33 | 761.24 | **DIOR**<br>DIOR to mafic composition - Fine- to medium-grained, white-beige-grey-black-green pink in colour with a variably distributed weak degree of epidote, K and chl alteration.<br><br>Vfg-fg py occurs in a trace abundance as disseminations.<br><br>Upper and lower contacts are gradational. | KK19-105299 | ASSAY | TB20013964 | 752.33 | 753.50 | 1.17 | 0.001 | 0.003 | 0.003 | 0.007 | 0.010 | 0.004 |
| | | | KK19-105300 | ASSAY | TB20013964 | 753.50 | 754.75 | 1.25 | 0.001 | 0.003 | 0.001 | 0.007 | 0.013 | 0.005 |
| | | | KK19-105301 | ASSAY | TB20013964 | 754.75 | 756.00 | 1.25 | 0.001 | 0.003 | 0.001 | 0.007 | 0.014 | 0.005 |
| | | | KK19-105302 | ASSAY | TB20013964 | 756.00 | 757.00 | 1.00 | 0.006 | 0.003 | 0.001 | 0.011 | 0.014 | 0.005 |
| | | | KK19-105303 | ASSAY | TB20013964 | 757.00 | 758.00 | 1.00 | 0.001 | 0.003 | 0.001 | 0.007 | 0.014 | 0.005 |
| | | | KK19-105307 | ASSAY | TB19312071 | 758.00 | 759.00 | 1.00 | 0.089 | 0.014 | 0.002 | 0.011 | 0.024 | 0.005 |
| | | | KK19-105308 | ASSAY | TB19312071 | 759.00 | 760.00 | 1.00 | 0.062 | 0.009 | 0.006 | 0.012 | 0.022 | 0.006 |
| | | | KK19-105309 | ASSAY | TB19312071 | 760.00 | 761.24 | 1.24 | 0.009 | 0.003 | 0.003 | 0.008 | 0.014 | 0.005 |
| 761.24 | 765.00 | **QDIOR**<br>QDIOR to TON compositions - Fine- to medium-grained, white-beige-grey-black-green pink in colour with a variably distributed weak to moderate degree of pervasive and vein epidote and K alteration.<br><br>Vfg disseminated py occurs in a trace abundance.<br><br>A fault zone consisting of rubble, abundantly fractured and sheared material is present from 762.24-765m. Eighty centimeters of material was lost in the run 762-765m. | KK19-105310 | ASSAY | TB19312071 | 761.24 | 762.00 | 0.76 | 0.005 | 0.003 | 0.011 | 0.007 | 0.003 | 0.001 |
| | | | KK19-105311 | ASSAY | TB19312071 | 762.00 | 763.00 | 1.00 | 0.009 | 0.003 | 0.001 | 0.005 | 0.003 | 0.001 |
| | | | KK19-105312 | ASSAY | TB19312071 | 763.00 | 764.00 | 1.00 | 0.059 | 0.003 | 0.001 | 0.004 | 0.006 | 0.001 |
| | | | KK19-105313 | ASSAY | TB19312071 | 764.00 | 765.00 | 1.00 | 0.188 | 0.031 | 0.017 | 0.016 | 0.025 | 0.004 |

## Survey Data

| Depth | Azimuth Decimal | Dip Decimal | Test Type | Flag | Comments |
|---|---|---|---|---|---|
| 0.00 | 180.05 | -60.05 | UNCSPRNT | O | |
| 5.00 | 179.70 | -60.10 | UNCSPRNT | O | |
| 10.00 | 179.15 | -60.38 | UNCSPRNT | O | |
| 15.00 | 179.27 | -60.65 | UNCSPRNT | O | |
| 20.00 | 179.38 | -60.65 | UNCSPRNT | O | |
| 25.00 | 179.09 | -60.73 | UNCSPRNT | O | |
| 30.00 | 179.30 | -60.61 | UNCSPRNT | O | |
| 35.00 | 179.50 | -60.60 | UNCSPRNT | O | |
| 40.00 | 179.69 | -60.68 | UNCSPRNT | O | |
| 45.00 | 179.41 | -60.65 | UNCSPRNT | O | |
| 50.00 | 179.64 | -60.56 | UNCSPRNT | O | |
| 55.00 | 179.73 | -60.54 | UNCSPRNT | O | |
| 60.00 | 179.81 | -60.52 | UNCSPRNT | O | |
| 65.00 | 179.74 | -60.50 | UNCSPRNT | O | |
| 70.00 | 179.86 | -60.48 | UNCSPRNT | O | |
| 75.00 | 179.88 | -60.45 | UNCSPRNT | O | |
| 80.00 | 179.94 | -60.43 | UNCSPRNT | O | |
| 85.00 | 179.93 | -60.42 | UNCSPRNT | O | |
| 90.00 | 179.97 | -60.40 | UNCSPRNT | O | |
| 95.00 | 180.04 | -60.39 | UNCSPRNT | O | |
| 100.00 | 180.10 | -60.43 | UNCSPRNT | O | |
| 105.00 | 180.21 | -60.37 | UNCSPRNT | O | |
| 110.00 | 180.18 | -60.34 | UNCSPRNT | O | |
| 115.00 | 180.32 | -60.34 | UNCSPRNT | O | |
| 120.00 | 180.29 | -60.31 | UNCSPRNT | O | |
| 125.00 | 180.29 | -60.33 | UNCSPRNT | O | |
| 130.00 | 180.39 | -60.33 | UNCSPRNT | O | |
| 135.00 | 180.35 | -60.33 | UNCSPRNT | O | |
| 140.00 | 180.45 | -60.34 | UNCSPRNT | O | |
| 145.00 | 180.42 | -60.34 | UNCSPRNT | O | |
| 150.00 | 180.44 | -60.32 | UNCSPRNT | O | |
| 155.00 | 180.45 | -60.31 | UNCSPRNT | O | |
| 160.00 | 180.38 | -60.33 | UNCSPRNT | O | |
| 165.00 | 180.57 | -60.33 | UNCSPRNT | O | |
| 170.00 | 180.52 | -60.26 | UNCSPRNT | O | |
| 175.00 | 180.57 | -60.26 | UNCSPRNT | O | |
| 180.00 | 180.60 | -60.24 | UNCSPRNT | O | |

| | | | | |
|---|---|---|---|---|
| 185.00 | 180.56 | -60.23 | UNCSPRNT | O |
| 190.00 | 180.58 | -60.20 | UNCSPRNT | O |
| 195.00 | 180.50 | -60.16 | UNCSPRNT | O |
| 200.00 | 180.49 | -60.14 | UNCSPRNT | O |
| 205.00 | 180.59 | -60.14 | UNCSPRNT | O |
| 210.00 | 180.49 | -60.08 | UNCSPRNT | O |
| 215.00 | 180.57 | -60.03 | UNCSPRNT | O |
| 220.00 | 180.56 | -59.98 | UNCSPRNT | O |
| 225.00 | 180.69 | -60.03 | UNCSPRNT | O |
| 230.00 | 180.64 | -60.01 | UNCSPRNT | O |
| 235.00 | 180.57 | -60.03 | UNCSPRNT | O |
| 240.00 | 180.65 | -60.03 | UNCSPRNT | O |
| 245.00 | 180.60 | -60.07 | UNCSPRNT | O |
| 250.00 | 180.77 | -60.01 | UNCSPRNT | O |
| 255.00 | 180.77 | -60.05 | UNCSPRNT | O |
| 260.00 | 180.77 | -60.03 | UNCSPRNT | O |
| 265.00 | 180.72 | -60.05 | UNCSPRNT | O |
| 270.00 | 180.76 | -60.07 | UNCSPRNT | O |
| 275.00 | 180.70 | -60.17 | UNCSPRNT | O |
| 280.00 | 180.55 | -60.31 | UNCSPRNT | O |
| 285.00 | 180.47 | -60.33 | UNCSPRNT | O |
| 290.00 | 180.50 | -60.33 | UNCSPRNT | O |
| 295.00 | 180.55 | -60.39 | UNCSPRNT | O |
| 300.00 | 180.57 | -60.33 | UNCSPRNT | O |
| 305.00 | 180.54 | -60.31 | UNCSPRNT | O |
| 310.00 | 180.64 | -60.30 | UNCSPRNT | O |
| 315.00 | 180.61 | -60.27 | UNCSPRNT | O |
| 320.00 | 180.56 | -60.29 | UNCSPRNT | O |
| 325.00 | 180.55 | -60.26 | UNCSPRNT | O |
| 330.00 | 180.61 | -60.28 | UNCSPRNT | O |
| 335.00 | 180.63 | -60.26 | UNCSPRNT | O |
| 340.00 | 180.68 | -60.25 | UNCSPRNT | O |
| 345.00 | 180.77 | -60.21 | UNCSPRNT | O |
| 350.00 | 180.82 | -60.22 | UNCSPRNT | O |
| 355.00 | 180.83 | -60.21 | UNCSPRNT | O |
| 360.00 | 180.81 | -60.23 | UNCSPRNT | O |
| 365.00 | 180.89 | -60.50 | UNCSPRNT | O |
| 370.00 | 180.88 | -60.50 | UNCSPRNT | O |
| 375.00 | 180.89 | -60.53 | UNCSPRNT | O |
| 380.00 | 180.95 | -60.49 | UNCSPRNT | O |

| | | | | |
|---|---|---|---|---|
| 385.00 | 180.89 | -60.47 | UNCSPRNT | O |
| 390.00 | 180.99 | -60.44 | UNCSPRNT | O |
| 395.00 | 180.94 | -60.41 | UNCSPRNT | O |
| 400.00 | 180.92 | -60.43 | UNCSPRNT | O |
| 405.00 | 181.01 | -60.37 | UNCSPRNT | O |
| 410.00 | 180.95 | -60.32 | UNCSPRNT | O |
| 415.00 | 181.05 | -60.36 | UNCSPRNT | O |
| 420.00 | 180.95 | -60.28 | UNCSPRNT | O |
| 425.00 | 181.00 | -60.27 | UNCSPRNT | O |
| 430.00 | 181.02 | -60.18 | UNCSPRNT | O |
| 435.00 | 181.05 | -60.18 | UNCSPRNT | O |
| 440.00 | 181.05 | -60.10 | UNCSPRNT | O |
| 445.00 | 180.99 | -60.09 | UNCSPRNT | O |
| 450.00 | 180.95 | -60.06 | UNCSPRNT | O |
| 455.00 | 180.97 | -60.07 | UNCSPRNT | O |
| 460.00 | 181.04 | -60.05 | UNCSPRNT | O |
| 465.00 | 180.97 | -60.02 | UNCSPRNT | O |
| 470.00 | 181.12 | -59.99 | UNCSPRNT | O |
| 475.00 | 181.11 | -60.00 | UNCSPRNT | O |
| 480.00 | 181.18 | -60.05 | UNCSPRNT | O |
| 485.00 | 181.16 | -60.05 | UNCSPRNT | O |
| 490.00 | 181.13 | -60.09 | UNCSPRNT | O |
| 495.00 | 181.14 | -60.08 | UNCSPRNT | O |
| 500.00 | 181.12 | -60.10 | UNCSPRNT | O |
| 505.00 | 181.18 | -60.10 | UNCSPRNT | O |
| 510.00 | 181.20 | -60.11 | UNCSPRNT | O |
| 515.00 | 181.12 | -60.15 | UNCSPRNT | O |
| 520.00 | 181.10 | -60.13 | UNCSPRNT | O |
| 525.00 | 181.25 | -60.13 | UNCSPRNT | O |
| 530.00 | 181.22 | -60.16 | UNCSPRNT | O |
| 535.00 | 181.22 | -60.26 | UNCSPRNT | O |
| 540.00 | 181.22 | -60.28 | UNCSPRNT | O |
| 545.00 | 181.27 | -60.27 | UNCSPRNT | O |
| 550.00 | 181.11 | -60.28 | UNCSPRNT | O |
| 555.00 | 180.99 | -60.28 | UNCSPRNT | O |
| 560.00 | 180.60 | -60.39 | UNCSPRNT | O |
| 565.00 | 180.16 | -60.67 | UNCSPRNT | O |
| 570.00 | 179.90 | -60.94 | UNCSPRNT | O |
| 575.00 | 179.85 | -60.92 | UNCSPRNT | O |
| 580.00 | 179.85 | -60.91 | UNCSPRNT | O |

| | | | | |
|---|---|---|---|---|
| 585.00 | 179.85 | -60.90 | UNCSPRNT | O |
| 590.00 | 179.95 | -60.90 | UNCSPRNT | O |

# Appendix C: Drill plan and cross sections


308,500 mE
309,000 mE
309,500 mE
N
CLM - 253
CLM - 252
5,449,500 mN
5,449,000 mN
5,448,500 mN
5,448,000 mN
19-702
19-702z
19-701
Impala Canada
IMPALA CANADA
2019 Camp Lake Drill Program - Plan Map
Scale: 1:7500
Projection: UTM Zone 16 (NAD 83)
0
75
150
300
metres

5,449,000mN

309,250mE

5,448,750mN

5,448,500mN

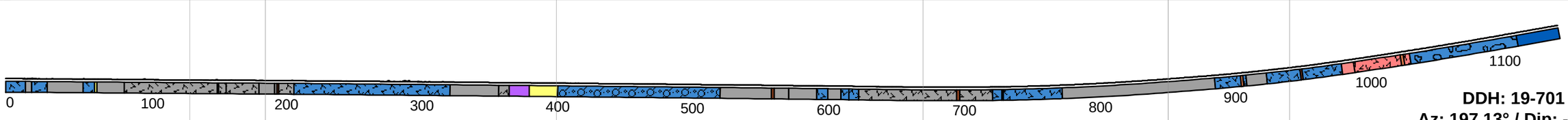
309,000mE

5,448,250mN

N

-250mRL

-500mRL




**DDH: 19-701**
**Az: 197.13° / Dip: -0.26°**
**Total Depth: 1152m**

-750mRL

## Lithology Legend

- Dike - Felsic
- Dike - Mafic
- Quartz Diorite to Diorite
- Diorite-Breccia
- Tonalite
- Hornblende Gabbro
- Varitextured Gabbro
- Varitextured Gabbro-Breccia
- Gabbro-Breccia
- Varitextured Norite
- Norite

**Pd (ppm)**

- 0 - 0.1
- 0.1 - 0.3
- 0.3 - 0.7
- 0.7 - 1.5
- 1.5 - 3.0
- 3.0 - 15.0

## Impala Canada

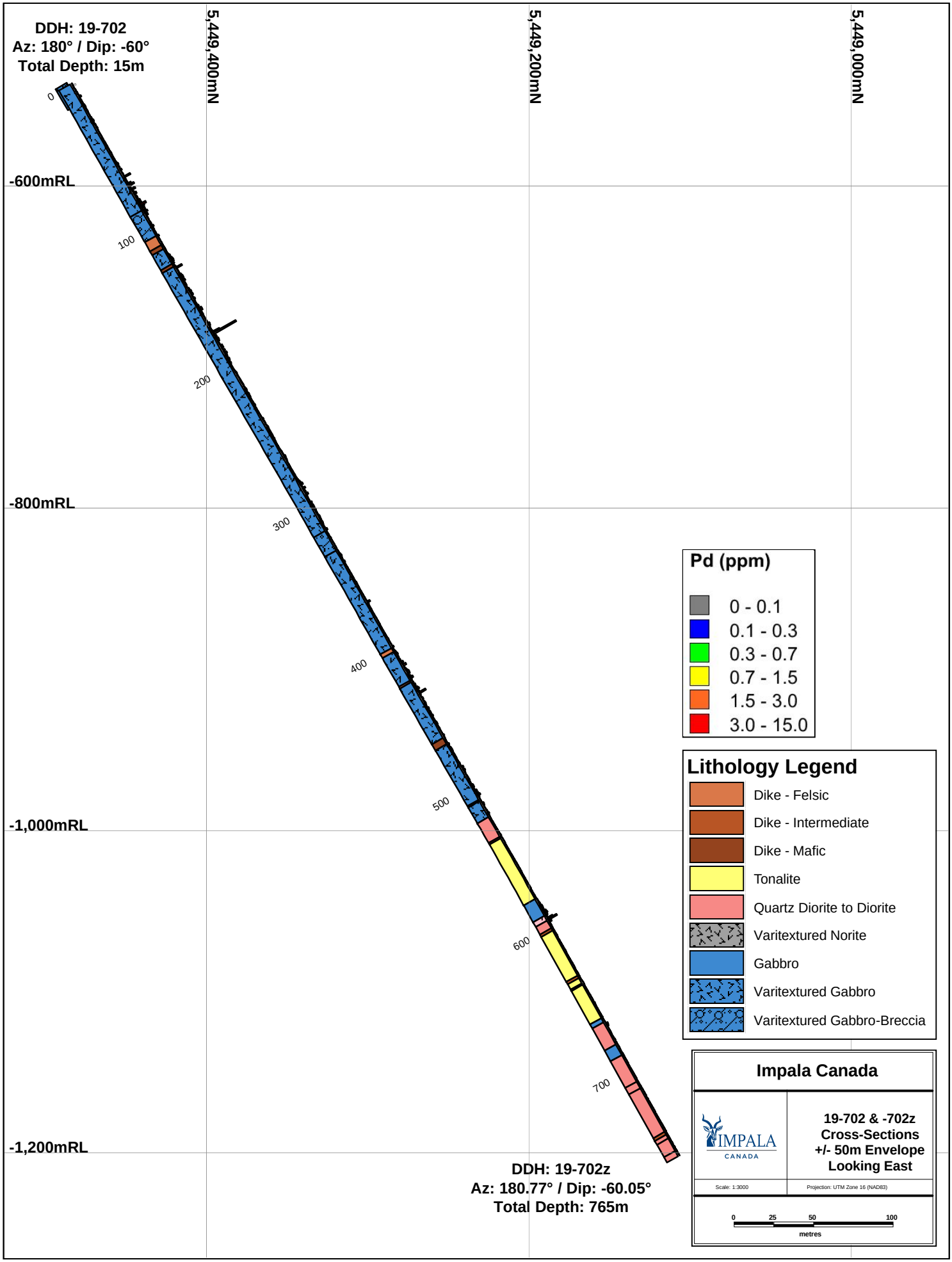
IMPALA CANADA

**19-701**
**Cross Section**
**+/- 50m Envelope**
**Looking East (112°)**

Scale: 1:3000

Projection: UTM Zone 16 (NAD83)

0 25 50 100
metres


DDH: 19-702
Az: 180° / Dip: -60°
Total Depth: 15m
5,449,400mN
5,449,200mN
5,449,000mN
-600mRL
-800mRL
-1,000mRL
-1,200mRL
0
100
200
300
400
500
600
700
DDH: 19-702z
Az: 180.77° / Dip: -60.05°
Total Depth: 765m
Pd (ppm)
0 - 0.1
0.1 - 0.3
0.3 - 0.7
0.7 - 1.5
1.5 - 3.0
3.0 - 15.0
Lithology Legend
Dike - Felsic
Dike - Intermediate
Dike - Mafic
Tonalite
Quartz Diorite to Diorite
Varitextured Norite
Gabbro
Varitextured Gabbro
Varitextured Gabbro-Breccia
Impala Canada
IMPALA CANADA
19-702 & -702z
Cross-Sections
+/- 50m Envelope
Looking East
Scale: 1:3000
Projection: UTM Zone 16 (NAD83)
0
25
50
100
metres

# Appendix D: Assay Certificates

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194532

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

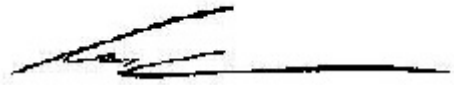
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194532

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100625 | | 1.24 | <1 | 1 | <5 | 7 | 1 | <1 | 12.70 | <0.5 | | |
| AB19-100626 | | 0.07 | 4500 | 2060 | 1300 | 92 | 87 | 64 | 0.27 | 0.9 | | |
| AB19-100627 | | 2.78 | 2 | 3 | <5 | 169 | 704 | 92 | 12.75 | <0.5 | | |
| AB19-100628 | | 2.59 | 2 | 3 | <5 | 198 | 716 | 90 | 12.00 | <0.5 | | |
| AB19-100629 | | 2.47 | <1 | 1 | <5 | 229 | 719 | 91 | 12.10 | <0.5 | | |
| AB19-100630 | | 2.39 | 10 | 11 | 6 | 442 | 959 | 91 | 11.80 | <0.5 | | |
| AB19-100631 | | 1.69 | 7 | 8 | <5 | 284 | 719 | 81 | 10.20 | <0.5 | | |
| AB19-100632 | | 1.89 | 11 | 11 | <5 | 485 | 906 | 86 | 9.96 | <0.5 | | |
| AB19-100633 | | 1.83 | 1 | 2 | <5 | 136 | 619 | 84 | 11.65 | <0.5 | | |
| AB19-100634 | | 1.81 | 2 | 3 | <5 | 183 | 702 | 88 | 12.10 | <0.5 | | |
| AB19-100635 | | 2.31 | 1 | 2 | <5 | 105 | 575 | 81 | 11.35 | <0.5 | | |
| AB19-100636 | | 2.25 | 3 | 6 | <5 | 242 | 717 | 80 | 10.70 | <0.5 | | |
| AB19-100637 | | 2.04 | 2 | 2 | <5 | 136 | 598 | 83 | 11.55 | <0.5 | | |
| AB19-100638 | | 2.35 | <1 | 2 | <5 | 70 | 489 | 66 | 9.62 | <0.5 | | |
| AB19-100639 | | 2.33 | 2 | 1 | <5 | 68 | 479 | 68 | 9.62 | <0.5 | | |
| AB19-100640 | | 2.17 | 3 | 9 | <5 | 121 | 575 | 70 | 9.01 | <0.5 | | |
| AB19-100641 | | 2.20 | <1 | <1 | <5 | 64 | 470 | 68 | 9.37 | <0.5 | | |
| AB19-100642 | | 2.23 | 1 | 1 | <5 | 83 | 572 | 80 | 11.35 | <0.5 | | |
| AB19-100643 | | 2.63 | 6 | 1 | <5 | 73 | 593 | 83 | 11.75 | <0.5 | | |
| AB19-100644 | | 2.36 | 1 | 4 | <5 | 121 | 425 | 68 | 8.06 | <0.5 | | |
| AB19-100645 | | 0.07 | 71 | 605 | 282 | 4150 | 4160 | 109 | 3.73 | 1.9 | | |
| AB19-100646 | | 2.32 | 3 | 8 | <5 | 160 | 656 | 71 | 8.60 | <0.5 | | |
| AB19-100647 | | 2.10 | 2 | 1 | <5 | 101 | 589 | 81 | 11.00 | <0.5 | | |
| AB19-100648 | | 2.30 | 1 | 2 | <5 | 90 | 624 | 83 | 11.60 | <0.5 | | |
| AB19-100649 | | 2.30 | 3 | 3 | <5 | 112 | 631 | 82 | 11.30 | <0.5 | | |
| AB19-100650 | | 2.35 | 2 | 2 | <5 | 108 | 585 | 81 | 11.00 | <0.5 | | |
| AB19-100651 | | 1.98 | 3 | 2 | <5 | 117 | 553 | 80 | 10.35 | <0.5 | | |
| AB19-100652 | | 2.10 | 2 | 2 | <5 | 72 | 490 | 66 | 8.48 | <0.5 | | |
| AB19-100653 | | 1.90 | 1 | 2 | <5 | 71 | 396 | 48 | 6.76 | <0.5 | | |
| AB19-100654 | | 2.51 | 3 | 5 | <5 | 179 | 657 | 79 | 10.65 | <0.5 | | |
| AB19-100655 | | 1.82 | 10 | 4 | <5 | 358 | 627 | 78 | 10.45 | <0.5 | | |
| AB19-100656 | | 2.07 | 3 | 7 | <5 | 131 | 638 | 80 | 10.90 | <0.5 | | |
| AB19-100657 | | 2.17 | 12 | 20 | 7 | 395 | 964 | 92 | 11.70 | 0.5 | | |
| AB19-100658 | | 2.23 | 3 | 10 | <5 | 116 | 705 | 78 | 10.20 | <0.5 | | |
| AB19-100659 | | 2.04 | 14 | 7 | <5 | 472 | 408 | 63 | 7.15 | 0.5 | | |
| AB19-100660 | | 2.09 | 20 | 61 | 19 | 500 | 1305 | 102 | 11.65 | 0.6 | | |
| AB19-100661 | | 2.34 | 9 | 21 | <5 | 236 | 885 | 91 | 12.15 | 0.5 | | |
| AB19-100662 | | 1.59 | 12 | 14 | 5 | 392 | 866 | 87 | 8.54 | <0.5 | | |
| AB19-100663 | | 1.30 | 5 | 4 | <5 | 247 | 295 | 54 | 4.81 | <0.5 | | |
| AB19-100664 | | 1.15 | 44 | 39 | 20 | 1435 | 1465 | 101 | 8.66 | 0.7 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194532

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100665 | | 1.77 | <1 | <1 | <5 | 4 | 4 | <1 | 12.10 | 0.5 | | |
| AB19-100666 | | 2.36 | 6 | 5 | <5 | 240 | 556 | 78 | 8.93 | <0.5 | | |
| AB19-100667 | | 2.25 | 1 | 3 | <5 | 108 | 611 | 82 | 11.10 | <0.5 | | |
| AB19-100668 | | 2.17 | 2 | 2 | <5 | 170 | 610 | 85 | 11.35 | <0.5 | | |
| AB19-100669 | | 2.14 | 2 | 2 | <5 | 118 | 560 | 80 | 10.85 | <0.5 | | |
| AB19-100670 | | 2.18 | 3 | 2 | <5 | 146 | 583 | 81 | 10.75 | <0.5 | | |
| AB19-100671 | | 2.09 | 2 | 1 | <5 | 150 | 599 | 82 | 11.05 | <0.5 | | |
| AB19-100672 | | 1.81 | 3 | 3 | <5 | 164 | 620 | 81 | 10.65 | <0.5 | | |
| AB19-100673 | | 1.99 | 16 | 14 | 8 | 718 | 1205 | 62 | 6.93 | 0.7 | | |
| AB19-100674 | | 2.16 | 34 | 35 | 15 | 1075 | 1700 | 103 | 10.05 | 0.5 | | |
| AB19-100675 | | 1.48 | 16 | 30 | 10 | 394 | 1090 | 95 | 10.95 | 0.5 | | |
| AB19-100676 | | 2.42 | 6 | 11 | 5 | 192 | 773 | 80 | 11.10 | <0.5 | | |
| AB19-100677 | | 2.27 | 17 | 19 | 7 | 481 | 1105 | 86 | 11.05 | 0.5 | | |
| AB19-100678 | | 2.28 | 12 | 17 | 7 | 401 | 844 | 80 | 8.66 | <0.5 | | |
| AB19-100679 | | 2.28 | 36 | 54 | 20 | 998 | 1675 | 93 | 10.30 | 0.7 | | |
| AB19-100680 | | 1.95 | 1 | 2 | <5 | 47 | 380 | 53 | 7.57 | <0.5 | | |
| AB19-100681 | | 2.39 | 1 | 1 | <5 | 94 | 144 | 38 | 3.60 | <0.5 | | |
| AB19-100682 | | 2.66 | 8 | 8 | <5 | 303 | 545 | 60 | 5.99 | 0.6 | | |
| AB19-100683 | | 2.09 | 14 | 17 | 7 | 484 | 813 | 68 | 5.12 | <0.5 | | |
| AB19-100684 | | 2.44 | 15 | 13 | 6 | 444 | 603 | 58 | 5.43 | <0.5 | | |
| AB19-100685 | | 0.12 | 263 | 3290 | 766 | >10000 | >10000 | 975 | 4.01 | 3.7 | 16150 | 45400 |
| AB19-100686 | | 2.39 | 10 | 25 | 6 | 286 | 881 | 76 | 8.46 | <0.5 | | |
| AB19-100687 | | 2.38 | 3 | 6 | <5 | 128 | 656 | 80 | 11.25 | <0.5 | | |
| AB19-100688 | | 2.44 | 3 | 10 | <5 | 211 | 366 | 36 | 1.71 | <0.5 | | |
| AB19-100689 | | 2.21 | 8 | 4 | <5 | 184 | 447 | 70 | 8.66 | <0.5 | | |
| AB19-100690 | | 2.52 | 4 | 3 | <5 | 182 | 528 | 80 | 10.25 | <0.5 | | |
| AB19-100691 | | 2.39 | 3 | 4 | <5 | 134 | 453 | 74 | 9.40 | <0.5 | | |
| AB19-100692 | | 2.48 | 2 | 2 | <5 | 129 | 582 | 83 | 11.15 | <0.5 | | |
| AB19-100693 | | 2.53 | 2 | 7 | <5 | 113 | 241 | 52 | 5.00 | <0.5 | | |
| AB19-100694 | | 2.54 | 5 | 4 | <5 | 272 | 592 | 80 | 9.15 | <0.5 | | |
| AB19-100695 | | 2.70 | 1 | 1 | <5 | 99 | 592 | 86 | 12.05 | <0.5 | | |
| AB19-100696 | | 2.76 | 3 | 2 | <5 | 133 | 563 | 81 | 11.00 | <0.5 | | |
| AB19-100697 | | 2.48 | 1 | 1 | <5 | 101 | 597 | 88 | 11.85 | <0.5 | | |
| AB19-100698 | | 2.57 | <1 | 1 | <5 | 63 | 596 | 87 | 12.70 | <0.5 | | |
| AB19-100699 | | 2.42 | 2 | 3 | <5 | 117 | 465 | 76 | 8.67 | <0.5 | | |
| AB19-100700 | | 2.49 | 22 | 13 | 7 | 798 | 970 | 116 | 9.30 | <0.5 | | |
| AB19-100701 | | 2.47 | 1 | 3 | <5 | 39 | 621 | 82 | 11.55 | <0.5 | | |
| AB19-100702 | | 0.07 | 65 | 581 | 287 | 4270 | 4290 | 115 | 4.02 | 1.7 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194532

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194533

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

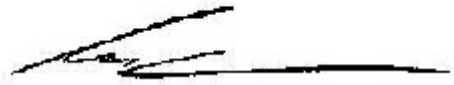
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194533

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100703 | | 1.66 | <1 | <1 | <5 | 1 | <1 | 1 | 12.75 | <0.5 | | |
| AB19-100704 | | 0.07 | 4730 | 2040 | 1330 | 86 | 85 | 61 | 0.28 | 0.7 | | |
| AB19-100705 | | 2.21 | 1 | 3 | <5 | 56 | 522 | 77 | 10.30 | <0.5 | | |
| AB19-100706 | | 2.22 | 1 | 34 | 11 | 133 | 1040 | 97 | 10.30 | <0.5 | | |
| AB19-100707 | | 2.21 | 1 | <1 | <5 | 70 | 569 | 86 | 11.70 | <0.5 | | |
| AB19-100708 | | 2.24 | 1 | 1 | <5 | 70 | 531 | 78 | 11.00 | <0.5 | | |
| AB19-100709 | | 2.08 | 3 | 2 | <5 | 130 | 468 | 74 | 8.80 | <0.5 | | |
| AB19-100710 | | 2.14 | 2 | 2 | <5 | 141 | 547 | 81 | 10.80 | <0.5 | | |
| AB19-100711 | | 2.27 | <1 | <1 | <5 | 82 | 510 | 80 | 10.75 | <0.5 | | |
| AB19-100712 | | 2.26 | <1 | <1 | <5 | 67 | 537 | 80 | 10.85 | <0.5 | | |
| AB19-100713 | | 2.26 | <1 | <1 | <5 | 77 | 542 | 82 | 11.25 | <0.5 | | |
| AB19-100714 | | 2.26 | 1 | 1 | <5 | 78 | 493 | 78 | 10.50 | <0.5 | | |
| AB19-100715 | | 2.19 | <1 | 1 | <5 | 68 | 529 | 80 | 10.95 | <0.5 | | |
| AB19-100716 | | 2.31 | 2 | 2 | <5 | 121 | 532 | 75 | 9.89 | <0.5 | | |
| AB19-100717 | | 2.03 | 4 | 4 | <5 | 271 | 420 | 57 | 5.08 | <0.5 | | |
| AB19-100718 | | 2.14 | 4 | 3 | <5 | 201 | 354 | 52 | 5.58 | <0.5 | | |
| AB19-100719 | | 2.13 | 3 | 3 | <5 | 193 | 517 | 74 | 9.07 | <0.5 | | |
| AB19-100720 | | 2.19 | 1 | 1 | <5 | 137 | 514 | 80 | 10.45 | <0.5 | | |
| AB19-100721 | | 2.40 | 2 | 2 | <5 | 117 | 448 | 74 | 8.97 | <0.5 | | |
| AB19-100722 | | 2.30 | 1 | 1 | <5 | 49 | 306 | 51 | 6.12 | <0.5 | | |
| AB19-100723 | | 0.07 | 82 | 612 | 302 | 4340 | 4200 | 116 | 3.92 | 2.0 | | |
| AB19-100724 | | 2.29 | 1 | 2 | <5 | 80 | 484 | 72 | 9.54 | <0.5 | | |
| AB19-100725 | | 2.26 | 3 | 6 | <5 | 209 | 595 | 82 | 9.74 | <0.5 | | |
| AB19-100726 | | 2.41 | 3 | 6 | <5 | 243 | 663 | 91 | 10.40 | <0.5 | | |
| AB19-100727 | | 2.39 | <1 | 1 | <5 | 89 | 512 | 82 | 10.75 | <0.5 | | |
| AB19-100728 | | 2.14 | <1 | <1 | <5 | 72 | 523 | 82 | 10.80 | <0.5 | | |
| AB19-100729 | | 2.26 | <1 | <1 | <5 | 91 | 560 | 85 | 11.35 | <0.5 | | |
| AB19-100730 | | 2.14 | <1 | 1 | <5 | 88 | 553 | 84 | 11.35 | <0.5 | | |
| AB19-100731 | | 1.84 | <1 | 1 | <5 | 66 | 532 | 80 | 11.20 | <0.5 | | |
| AB19-100732 | | 2.22 | <1 | <1 | <5 | 72 | 535 | 81 | 11.25 | <0.5 | | |
| AB19-100733 | | 2.25 | <1 | <1 | <5 | 78 | 543 | 84 | 11.30 | <0.5 | | |
| AB19-100734 | | 2.01 | 1 | 1 | <5 | 103 | 387 | 68 | 8.11 | <0.5 | | |
| AB19-100735 | | 2.18 | <1 | <1 | <5 | 105 | 495 | 79 | 10.40 | <0.5 | | |
| AB19-100736 | | 1.94 | <1 | 1 | <5 | 93 | 522 | 81 | 10.90 | <0.5 | | |
| AB19-100737 | | 1.99 | 1 | 1 | <5 | 98 | 494 | 75 | 10.10 | <0.5 | | |
| AB19-100738 | | 1.98 | 1 | <1 | <5 | 107 | 532 | 76 | 10.65 | <0.5 | | |
| AB19-100739 | | 2.18 | <1 | <1 | <5 | 96 | 501 | 79 | 10.50 | <0.5 | | |
| AB19-100740 | | 2.20 | <1 | <1 | <5 | 76 | 536 | 83 | 11.35 | <0.5 | | |
| AB19-100741 | | 2.21 | <1 | 1 | <5 | 80 | 532 | 83 | 11.15 | <0.5 | | |
| AB19-100742 | | 2.24 | 1 | 1 | <5 | 113 | 574 | 85 | 10.95 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194533

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100743 | | 2.08 | <1 | 1 | <5 | 1 | 1 | 1 | 12.55 | <0.5 | | |
| AB19-100744 | | 2.19 | <1 | 1 | <5 | 84 | 530 | 82 | 10.90 | <0.5 | | |
| AB19-100745 | | 2.13 | <1 | <1 | <5 | 79 | 564 | 84 | 11.30 | <0.5 | | |
| AB19-100746 | | 2.24 | 3 | 1 | <5 | 222 | 503 | 79 | 9.76 | <0.5 | | |
| AB19-100747 | | 2.34 | <1 | 1 | <5 | 89 | 590 | 87 | 11.80 | <0.5 | | |
| AB19-100748 | | 2.35 | <1 | <1 | <5 | 78 | 588 | 87 | 12.00 | <0.5 | | |
| AB19-100749 | | 2.18 | 6 | 5 | <5 | 394 | 652 | 83 | 8.36 | <0.5 | | |
| AB19-100750 | | 2.24 | 1 | 1 | <5 | 149 | 543 | 88 | 11.10 | <0.5 | | |
| AB19-100751 | | 2.22 | 4 | 4 | <5 | 389 | 547 | 75 | 7.11 | <0.5 | | |
| AB19-100752 | | 2.15 | 7 | 8 | <5 | 522 | 713 | 76 | 5.96 | <0.5 | | |
| AB19-100753 | | 2.15 | 2 | 3 | <5 | 224 | 582 | 87 | 10.10 | <0.5 | | |
| AB19-100754 | | 2.10 | <1 | 1 | <5 | 121 | 580 | 95 | 11.90 | <0.5 | | |
| AB19-100755 | | 2.57 | <1 | <1 | <5 | 78 | 557 | 90 | 11.90 | <0.5 | | |
| AB19-100756 | | 2.63 | <1 | <1 | <5 | 103 | 623 | 91 | 12.20 | <0.5 | | |
| AB19-100757 | | 2.54 | <1 | 1 | <5 | 95 | 593 | 91 | 12.05 | <0.5 | | |
| AB19-100758 | | 2.51 | <1 | 1 | <5 | 105 | 565 | 85 | 11.70 | <0.5 | | |
| AB19-100759 | | 2.45 | <1 | 4 | <5 | 94 | 671 | 87 | 11.25 | <0.5 | | |
| AB19-100760 | | 2.61 | <1 | 1 | <5 | 138 | 606 | 90 | 12.15 | <0.5 | | |
| AB19-100761 | | 2.52 | <1 | 1 | <5 | 74 | 572 | 90 | 12.25 | <0.5 | | |
| AB19-100762 | | 2.54 | 3 | 2 | <5 | 152 | 564 | 89 | 11.70 | <0.5 | | |
| AB19-100763 | | 0.09 | 243 | 3370 | 765 | >10000 | >10000 | 1035 | 4.31 | 4.3 | 15550 | 44800 |
| AB19-100764 | | 2.52 | 1 | 2 | <5 | 147 | 630 | 90 | 11.60 | <0.5 | | |
| AB19-100765 | | 2.45 | <1 | 1 | <5 | 80 | 580 | 87 | 12.00 | <0.5 | | |
| AB19-100766 | | 3.09 | 1 | 4 | <5 | 150 | 667 | 85 | 11.05 | <0.5 | | |
| AB19-100767 | | 3.10 | <1 | 2 | <5 | 5 | 311 | 39 | 5.40 | <0.5 | | |
| AB19-100768 | | 2.34 | 2 | 2 | <5 | 146 | 254 | 55 | 5.13 | <0.5 | | |
| AB19-100769 | | 2.04 | <1 | 4 | <5 | 97 | 687 | 101 | 11.45 | <0.5 | | |
| AB19-100770 | | 1.93 | <1 | <1 | <5 | 72 | 576 | 88 | 12.10 | <0.5 | | |
| AB19-100771 | | 2.59 | <1 | 1 | <5 | 79 | 569 | 87 | 11.90 | <0.5 | | |
| AB19-100772 | | 2.57 | <1 | 1 | <5 | 65 | 586 | 84 | 11.70 | <0.5 | | |
| AB19-100773 | | 2.40 | <1 | 1 | <5 | 92 | 613 | 88 | 11.75 | <0.5 | | |
| AB19-100774 | | 2.83 | <1 | 1 | <5 | 77 | 538 | 83 | 11.05 | <0.5 | | |
| AB19-100775 | | 2.89 | <1 | <1 | <5 | 81 | 555 | 84 | 11.25 | <0.5 | | |
| AB19-100776 | | 3.03 | 4 | 11 | <5 | 202 | 635 | 92 | 11.40 | <0.5 | | |
| AB19-100777 | | 2.73 | <1 | 1 | <5 | 96 | 608 | 94 | 12.55 | <0.5 | | |
| AB19-100778 | | 2.66 | <1 | 1 | <5 | 108 | 604 | 95 | 12.25 | <0.5 | | |
| AB19-100779 | | 2.46 | <1 | 1 | <5 | 115 | 581 | 92 | 12.25 | <0.5 | | |
| AB19-100780 | | 0.07 | 66 | 617 | 307 | 4630 | 4470 | 122 | 4.21 | 2.3 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194533

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 31-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194537

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

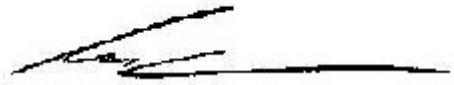
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 31-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194537

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100547 | | 1.44 | <1 | <1 | <5 | 1 | 2 | 2 | 13.00 | <0.5 | | |
| AB19-100548 | | 0.07 | 5170 | 2050 | 1320 | 85 | 84 | 64 | 0.27 | 0.5 | | |
| AB19-100549 | | 2.43 | 6 | 8 | <5 | 288 | 440 | 45 | 4.14 | <0.5 | | |
| AB19-100550 | | 2.34 | 4 | 4 | <5 | 267 | 355 | 42 | 4.41 | <0.5 | | |
| AB19-100551 | | 2.33 | 1 | 3 | <5 | 121 | 249 | 27 | 2.60 | <0.5 | | |
| AB19-100552 | | 2.07 | 13 | 7 | <5 | 348 | 347 | 29 | 2.64 | <0.5 | | |
| AB19-100553 | | 2.29 | 11 | 12 | 5 | 433 | 581 | 35 | 2.81 | <0.5 | | |
| AB19-100554 | | 2.36 | 5 | 6 | <5 | 363 | 566 | 56 | 4.74 | <0.5 | | |
| AB19-100555 | | 2.52 | 4 | 6 | <5 | 256 | 601 | 69 | 7.70 | <0.5 | | |
| AB19-100556 | | 2.30 | 8 | 9 | <5 | 414 | 694 | 59 | 6.40 | <0.5 | | |
| AB19-100557 | | 2.13 | 9 | 10 | 6 | 366 | 612 | 59 | 6.20 | <0.5 | | |
| AB19-100558 | | 2.27 | 6 | 8 | 5 | 299 | 739 | 67 | 8.51 | <0.5 | | |
| AB19-100559 | | 2.40 | 2 | 3 | <5 | 158 | 598 | 73 | 10.45 | <0.5 | | |
| AB19-100560 | | 2.47 | 7 | 8 | <5 | 366 | 815 | 77 | 9.96 | <0.5 | | |
| AB19-100561 | | 2.26 | 4 | 7 | <5 | 221 | 724 | 76 | 9.85 | <0.5 | | |
| AB19-100562 | | 2.42 | 1 | 2 | <5 | 151 | 548 | 74 | 10.60 | <0.5 | | |
| AB19-100563 | | 2.27 | 1 | 5 | <5 | 197 | 636 | 75 | 10.70 | <0.5 | | |
| AB19-100564 | | 2.59 | 13 | 18 | 8 | 775 | 1245 | 86 | 9.70 | <0.5 | | |
| AB19-100565 | | 2.40 | 4 | 6 | <5 | 314 | 710 | 76 | 10.10 | <0.5 | | |
| AB19-100566 | | 2.53 | 4 | 8 | <5 | 283 | 744 | 81 | 10.35 | <0.5 | | |
| AB19-100567 | | 0.07 | 104 | 612 | 319 | 4440 | 4290 | 115 | 4.00 | 1.8 | | |
| AB19-100568 | | 2.31 | 30 | 39 | 14 | 1330 | 1790 | 76 | 6.19 | <0.5 | | |
| AB19-100569 | | 2.34 | 14 | 19 | 11 | 607 | 1170 | 87 | 9.96 | <0.5 | | |
| AB19-100570 | | 2.30 | 16 | 10 | 6 | 615 | 845 | 69 | 8.30 | <0.5 | | |
| AB19-100571 | | 2.38 | 28 | 28 | 11 | 1015 | 1500 | 65 | 5.42 | 0.6 | | |
| AB19-100572 | | 2.38 | 11 | 12 | <5 | 402 | 811 | 75 | 8.88 | <0.5 | | |
| AB19-100573 | | 1.90 | <1 | 1 | <5 | 98 | 579 | 82 | 11.50 | <0.5 | | |
| AB19-100574 | | 2.47 | <1 | 1 | <5 | 102 | 570 | 81 | 11.50 | <0.5 | | |
| AB19-100575 | | 2.16 | <1 | 1 | <5 | 70 | 590 | 79 | 11.00 | <0.5 | | |
| AB19-100576 | | 2.21 | <1 | 4 | <5 | 90 | 575 | 59 | 7.79 | <0.5 | | |
| AB19-100577 | | 1.87 | 7 | 2 | <5 | 101 | 588 | 83 | 11.35 | <0.5 | | |
| AB19-100578 | | 1.98 | 4 | 11 | 5 | 196 | 668 | 82 | 10.15 | <0.5 | | |
| AB19-100579 | | 2.00 | 11 | 21 | 11 | 477 | 978 | 92 | 11.70 | <0.5 | | |
| AB19-100580 | | 2.05 | 19 | 21 | 10 | 766 | 1285 | 88 | 9.72 | <0.5 | | |
| AB19-100581 | | 2.00 | 27 | 30 | 15 | 1080 | 1465 | 98 | 11.05 | 0.5 | | |
| AB19-100582 | | 2.11 | 17 | 26 | 10 | 623 | 1260 | 97 | 11.45 | <0.5 | | |
| AB19-100583 | | 2.13 | 4 | 7 | <5 | 321 | 850 | 91 | 12.25 | <0.5 | | |
| AB19-100584 | | 1.84 | 7 | 6 | <5 | 264 | 842 | 90 | 11.75 | <0.5 | | |
| AB19-100585 | | 2.28 | 13 | 9 | 6 | 371 | 836 | 89 | 11.35 | <0.5 | | |
| AB19-100586 | | 2.17 | 7 | 7 | <5 | 223 | 696 | 70 | 8.89 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 31-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194537

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100587 | | 1.37 | <1 | <1 | <5 | 2 | 3 | 2 | 12.85 | <0.5 | | |
| AB19-100588 | | 2.13 | 6 | 5 | <5 | 235 | 750 | 89 | 12.05 | <0.5 | | |
| AB19-100589 | | 2.05 | 3 | 3 | <5 | 232 | 700 | 86 | 11.95 | <0.5 | | |
| AB19-100590 | | 2.20 | 9 | 7 | <5 | 344 | 825 | 90 | 11.65 | <0.5 | | |
| AB19-100591 | | 2.27 | 9 | 9 | 6 | 411 | 949 | 95 | 12.40 | <0.5 | | |
| AB19-100592 | | 1.89 | 13 | 11 | 10 | 536 | 988 | 93 | 12.05 | <0.5 | | |
| AB19-100593 | | 1.95 | 12 | 17 | 6 | 378 | 1015 | 94 | 12.00 | <0.5 | | |
| AB19-100594 | | 2.21 | 9 | 10 | 6 | 402 | 901 | 90 | 11.40 | <0.5 | | |
| AB19-100595 | | 2.41 | 6 | 7 | <5 | 335 | 803 | 91 | 11.80 | <0.5 | | |
| AB19-100596 | | 2.32 | 5 | 6 | <5 | 306 | 799 | 90 | 11.75 | <0.5 | | |
| AB19-100597 | | 2.11 | 4 | 5 | <5 | 218 | 738 | 85 | 11.45 | <0.5 | | |
| AB19-100598 | | 2.24 | 6 | 7 | <5 | 336 | 876 | 93 | 12.25 | <0.5 | | |
| AB19-100599 | | 2.58 | 21 | 25 | 13 | 910 | 1570 | 99 | 11.55 | <0.5 | | |
| AB19-100600 | | 2.55 | 24 | 21 | 12 | 838 | 1440 | 100 | 12.00 | <0.5 | | |
| AB19-100601 | | 2.51 | 10 | 11 | 7 | 437 | 981 | 90 | 11.50 | <0.5 | | |
| AB19-100602 | | 2.26 | 3 | 5 | <5 | 177 | 616 | 74 | 9.32 | <0.5 | | |
| AB19-100603 | | 2.62 | <1 | <1 | <5 | 96 | 497 | 72 | 9.86 | <0.5 | | |
| AB19-100604 | | 2.62 | 1 | <1 | <5 | 111 | 626 | 91 | 12.40 | <0.5 | | |
| AB19-100605 | | 2.72 | 2 | 3 | <5 | 137 | 650 | 87 | 11.90 | <0.5 | | |
| AB19-100606 | | 2.55 | 2 | 2 | <5 | 112 | 628 | 87 | 11.95 | <0.5 | | |
| AB19-100607 | | 0.08 | 225 | 3420 | 784 | >10000 | >10000 | 918 | 3.84 | 4.0 | 16000 | 45500 |
| AB19-100608 | | 2.64 | <1 | <1 | <5 | 109 | 610 | 86 | 11.45 | <0.5 | | |
| AB19-100609 | | 2.79 | 1 | 1 | <5 | 155 | 679 | 90 | 12.10 | <0.5 | | |
| AB19-100610 | | 2.59 | 3 | 30 | 10 | 182 | 1015 | 93 | 10.85 | <0.5 | | |
| AB19-100611 | | 2.51 | 7 | 6 | <5 | 170 | 703 | 84 | 11.25 | <0.5 | | |
| AB19-100612 | | 2.37 | 3 | 2 | <5 | 103 | 640 | 85 | 11.55 | <0.5 | | |
| AB19-100613 | | 2.71 | 1 | 1 | <5 | 134 | 653 | 87 | 12.00 | <0.5 | | |
| AB19-100614 | | 2.45 | 2 | 1 | <5 | 159 | 372 | 60 | 7.44 | <0.5 | | |
| AB19-100615 | | 2.46 | 1 | <1 | <5 | 125 | 507 | 79 | 10.25 | <0.5 | | |
| AB19-100616 | | 2.25 | <1 | 2 | <5 | 71 | 480 | 72 | 9.12 | <0.5 | | |
| AB19-100617 | | 2.54 | 5 | 7 | <5 | 283 | 431 | 65 | 5.46 | <0.5 | | |
| AB19-100618 | | 2.09 | 3 | 9 | <5 | 191 | 242 | 57 | 5.06 | <0.5 | | |
| AB19-100619 | | 2.95 | 3 | 4 | <5 | 211 | 662 | 84 | 11.80 | <0.5 | | |
| AB19-100620 | | 2.73 | 1 | 2 | <5 | 144 | 667 | 89 | 12.60 | <0.5 | | |
| AB19-100621 | | 2.65 | 6 | 6 | <5 | 277 | 769 | 87 | 11.55 | <0.5 | | |
| AB19-100622 | | 2.70 | 1 | 2 | <5 | 188 | 666 | 91 | 12.20 | <0.5 | | |
| AB19-100623 | | 2.43 | 31 | 24 | 10 | 1025 | 1320 | 72 | 6.96 | <0.5 | | |
| AB19-100624 | | 0.07 | 75 | 616 | 298 | 4290 | 4190 | 109 | 3.85 | 1.6 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 31-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194537

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194542

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

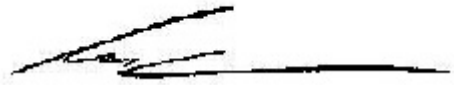
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194542

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100235 | | 1.47 | 1 | <1 | <5 | 2 | <1 | <1 | 13.30 | <0.5 | | |
| AB19-100236 | | 0.07 | 5100 | 1980 | 1280 | 86 | 83 | 61 | 0.26 | 0.8 | | |
| AB19-100237 | | 3.08 | 35 | 86 | 7 | 800 | 665 | 58 | 5.41 | <0.5 | | |
| AB19-100238 | | 2.54 | <1 | 3 | <5 | 59 | 351 | 40 | 4.17 | <0.5 | | |
| AB19-100239 | | 2.55 | <1 | 1 | <5 | 46 | 362 | 42 | 4.71 | <0.5 | | |
| AB19-100240 | | 2.62 | 2 | 1 | <5 | 56 | 430 | 48 | 5.44 | <0.5 | | |
| AB19-100241 | | 2.58 | 12 | 33 | <5 | 418 | 623 | 64 | 6.51 | <0.5 | | |
| AB19-100242 | | 2.68 | 2 | 2 | <5 | 139 | 620 | 64 | 7.23 | <0.5 | | |
| AB19-100243 | | 2.45 | 7 | 33 | 5 | 229 | 643 | 64 | 6.56 | <0.5 | | |
| AB19-100244 | | 2.29 | 3 | 1 | <5 | 166 | 640 | 65 | 6.99 | <0.5 | | |
| AB19-100245 | | 2.48 | 4 | 49 | 7 | 167 | 793 | 73 | 7.31 | <0.5 | | |
| AB19-100246 | | 2.46 | 1 | 1 | <5 | 72 | 650 | 69 | 7.05 | <0.5 | | |
| AB19-100247 | | 2.51 | <1 | 1 | <5 | 45 | 651 | 68 | 6.85 | <0.5 | | |
| AB19-100248 | | 2.50 | <1 | 2 | <5 | 70 | 451 | 48 | 4.15 | <0.5 | | |
| AB19-100249 | | 2.30 | <1 | 1 | <5 | 51 | 106 | 11 | 1.12 | <0.5 | | |
| AB19-100250 | | 2.31 | 1 | 3 | <5 | 111 | 92 | 18 | 1.41 | <0.5 | | |
| AB19-100251 | | 2.44 | 6 | 13 | <5 | 337 | 216 | 36 | 2.79 | <0.5 | | |
| AB19-100252 | | 2.31 | <1 | 1 | <5 | 14 | 112 | 11 | 1.34 | <0.5 | | |
| AB19-100253 | | 2.40 | 3 | <1 | <5 | 54 | 173 | 22 | 2.13 | <0.5 | | |
| AB19-100254 | | 2.14 | <1 | 1 | <5 | 17 | 205 | 24 | 2.87 | <0.5 | | |
| AB19-100255 | | 0.07 | 48 | 582 | 288 | 4310 | 4190 | 110 | 3.84 | 1.8 | | |
| AB19-100256 | | 2.26 | <1 | 2 | <5 | 29 | 251 | 30 | 3.74 | <0.5 | | |
| AB19-100257 | | 2.17 | <1 | 1 | <5 | 25 | 230 | 30 | 3.50 | <0.5 | | |
| AB19-100258 | | 2.31 | 2 | 2 | <5 | 91 | 242 | 29 | 3.16 | <0.5 | | |
| AB19-100259 | | 2.21 | 1 | <1 | <5 | 167 | 263 | 39 | 4.24 | <0.5 | | |
| AB19-100260 | | 2.20 | 5 | 1 | <5 | 741 | 225 | 36 | 2.61 | <0.5 | | |
| AB19-100261 | | 2.18 | 5 | <1 | <5 | 232 | 235 | 34 | 3.72 | <0.5 | | |
| AB19-100262 | | 2.00 | 2 | 1 | <5 | 73 | 238 | 33 | 3.69 | <0.5 | | |
| AB19-100263 | | 2.07 | 1 | 2 | <5 | 113 | 198 | 31 | 3.34 | <0.5 | | |
| AB19-100264 | | 1.95 | 1 | 2 | <5 | 80 | 201 | 32 | 3.60 | <0.5 | | |
| AB19-100265 | | 1.73 | 1 | 5 | <5 | 88 | 223 | 33 | 3.69 | <0.5 | | |
| AB19-100266 | | 2.20 | <1 | 3 | <5 | 51 | 211 | 32 | 3.47 | <0.5 | | |
| AB19-100267 | | 1.91 | <1 | 4 | <5 | 51 | 202 | 32 | 3.62 | <0.5 | | |
| AB19-100268 | | 1.62 | 1 | 7 | <5 | 49 | 192 | 31 | 3.25 | <0.5 | | |
| AB19-100269 | | 2.30 | 1 | 3 | <5 | 51 | 199 | 30 | 3.54 | <0.5 | | |
| AB19-100270 | | 2.03 | <1 | 6 | <5 | 26 | 192 | 29 | 3.15 | <0.5 | | |
| AB19-100271 | | 1.77 | <1 | 3 | <5 | 59 | 179 | 29 | 3.20 | <0.5 | | |
| AB19-100272 | | 2.03 | <1 | 2 | <5 | 36 | 167 | 28 | 3.42 | <0.5 | | |
| AB19-100273 | | 1.80 | <1 | 3 | <5 | 33 | 201 | 29 | 3.45 | <0.5 | | |
| AB19-100274 | | 1.93 | 1 | 6 | <5 | 50 | 189 | 30 | 3.20 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194542

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100275 | | 1.68 | <1 | <1 | <5 | 1 | <1 | <1 | 13.35 | <0.5 | | |
| AB19-100276 | | 1.98 | <1 | 20 | <5 | 62 | 176 | 27 | 3.27 | <0.5 | | |
| AB19-100277 | | 2.00 | <1 | 35 | <5 | 68 | 176 | 28 | 3.16 | <0.5 | | |
| AB19-100278 | | 1.99 | <1 | 4 | <5 | 44 | 171 | 28 | 3.03 | <0.5 | | |
| AB19-100279 | | 1.94 | 2 | 4 | <5 | 86 | 171 | 30 | 3.11 | <0.5 | | |
| AB19-100280 | | 1.97 | <1 | 3 | <5 | 67 | 173 | 27 | 3.08 | <0.5 | | |
| AB19-100281 | | 2.00 | <1 | 3 | <5 | 73 | 172 | 28 | 3.09 | <0.5 | | |
| AB19-100282 | | 1.94 | <1 | 7 | <5 | 89 | 179 | 28 | 2.85 | <0.5 | | |
| AB19-100283 | | 2.02 | <1 | 18 | <5 | 29 | 171 | 26 | 2.96 | <0.5 | | |
| AB19-100284 | | 2.10 | <1 | 5 | <5 | 28 | 170 | 26 | 2.89 | <0.5 | | |
| AB19-100285 | | 2.01 | <1 | 23 | <5 | 32 | 200 | 27 | 3.22 | <0.5 | | |
| AB19-100286 | | 2.08 | <1 | 34 | <5 | 84 | 195 | 30 | 3.30 | <0.5 | | |
| AB19-100287 | | 2.10 | 4 | 4 | <5 | 23 | 151 | 34 | 2.60 | <0.5 | | |
| AB19-100288 | | 2.19 | <1 | 2 | <5 | 145 | 207 | 40 | 3.88 | <0.5 | | |
| AB19-100289 | | 2.16 | <1 | 3 | <5 | 44 | 212 | 34 | 3.95 | <0.5 | | |
| AB19-100290 | | 2.07 | <1 | 3 | <5 | 51 | 189 | 29 | 3.16 | <0.5 | | |
| AB19-100291 | | 2.00 | <1 | 3 | <5 | 40 | 189 | 29 | 3.41 | <0.5 | | |
| AB19-100292 | | 2.11 | <1 | 3 | <5 | 66 | 179 | 29 | 3.08 | <0.5 | | |
| AB19-100293 | | 2.02 | 1 | 23 | <5 | 80 | 197 | 30 | 3.36 | <0.5 | | |
| AB19-100294 | | 2.12 | 1 | 3 | <5 | 113 | 232 | 35 | 4.06 | <0.5 | | |
| AB19-100295 | | 0.08 | 265 | 3380 | 795 | >10000 | >10000 | 1005 | 3.97 | 4.2 | 15750 | 44900 |
| AB19-100296 | | 2.16 | 3 | 1 | <5 | 148 | 224 | 36 | 3.60 | <0.5 | | |
| AB19-100297 | | 2.01 | 3 | 52 | 5 | 208 | 295 | 34 | 3.63 | <0.5 | | |
| AB19-100298 | | 1.96 | 1 | 5 | <5 | 95 | 201 | 26 | 2.90 | <0.5 | | |
| AB19-100299 | | 2.02 | 8 | 4 | <5 | 174 | 253 | 27 | 2.41 | <0.5 | | |
| AB19-100300 | | 1.98 | 3 | 5 | <5 | 141 | 267 | 34 | 3.68 | <0.5 | | |
| AB19-100301 | | 1.97 | 5 | 15 | 8 | 166 | 331 | 34 | 3.60 | <0.5 | | |
| AB19-100302 | | 1.99 | 4 | 13 | <5 | 168 | 332 | 33 | 3.18 | <0.5 | | |
| AB19-100303 | | 1.91 | 7 | 2 | <5 | 190 | 163 | 19 | 1.68 | <0.5 | | |
| AB19-100304 | | 1.88 | 11 | 13 | <5 | 139 | 290 | 37 | 4.52 | <0.5 | | |
| AB19-100305 | | 1.93 | 7 | 54 | 6 | 164 | 273 | 26 | 2.96 | <0.5 | | |
| AB19-100306 | | 1.86 | 6 | 3 | <5 | 28 | 206 | 29 | 3.57 | <0.5 | | |
| AB19-100307 | | 2.02 | 5 | 2 | <5 | 99 | 241 | 31 | 4.13 | <0.5 | | |
| AB19-100308 | | 1.87 | 8 | 81 | <5 | 142 | 313 | 43 | 5.50 | <0.5 | | |
| AB19-100309 | | 2.01 | 51 | 667 | 44 | 488 | 513 | 43 | 5.43 | <0.5 | | |
| AB19-100310 | | 1.81 | 31 | 174 | 6 | 260 | 317 | 35 | 3.97 | <0.5 | | |
| AB19-100311 | | 1.78 | 8 | 3 | <5 | 134 | 228 | 31 | 3.86 | <0.5 | | |
| AB19-100312 | | 0.07 | 88 | 601 | 295 | 4610 | 4480 | 117 | 3.99 | 2.2 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194542

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194543

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

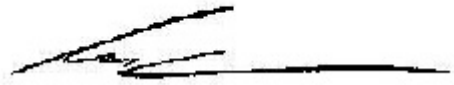
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194543

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100313 | | 1.58 | <1 | <1 | <5 | 1 | 2 | 1 | 13.55 | <0.5 | | |
| AB19-100314 | | 0.07 | 4910 | 2010 | 1300 | 83 | 82 | 62 | 0.24 | 1.2 | | |
| AB19-100315 | | 2.24 | 11 | 45 | <5 | 242 | 420 | 32 | 2.63 | <0.5 | | |
| AB19-100316 | | 2.34 | 19 | 160 | 14 | 181 | 390 | 43 | 5.71 | <0.5 | | |
| AB19-100317 | | 2.28 | 27 | 51 | 8 | 270 | 406 | 43 | 5.00 | <0.5 | | |
| AB19-100318 | | 2.34 | 9 | 9 | <5 | 200 | 327 | 35 | 3.73 | <0.5 | | |
| AB19-100319 | | 2.30 | 9 | 11 | <5 | 209 | 449 | 49 | 6.09 | <0.5 | | |
| AB19-100320 | | 2.17 | 11 | 100 | 10 | 193 | 300 | 31 | 3.43 | <0.5 | | |
| AB19-100321 | | 2.28 | 25 | 139 | 18 | 341 | 417 | 44 | 5.63 | <0.5 | | |
| AB19-100322 | | 2.23 | 26 | 93 | 15 | 305 | 436 | 32 | 2.72 | <0.5 | | |
| AB19-100323 | | 2.46 | 50 | 494 | 78 | 429 | 351 | 28 | 2.91 | <0.5 | | |
| AB19-100324 | | 2.24 | 170 | 866 | 62 | 991 | 709 | 59 | 4.75 | <0.5 | | |
| AB19-100325 | | 2.29 | 98 | 461 | 49 | 769 | 534 | 49 | 4.84 | <0.5 | | |
| AB19-100326 | | 2.16 | 20 | 139 | 14 | 324 | 366 | 48 | 4.61 | <0.5 | | |
| AB19-100327 | | 2.17 | 48 | 830 | 70 | 567 | 481 | 45 | 4.91 | <0.5 | | |
| AB19-100328 | | 2.29 | 49 | 147 | 34 | 272 | 314 | 35 | 3.77 | <0.5 | | |
| AB19-100329 | | 2.11 | 11 | 55 | 5 | 139 | 452 | 35 | 4.04 | <0.5 | | |
| AB19-100330 | | 2.29 | 8 | 17 | <5 | 147 | 342 | 37 | 4.29 | <0.5 | | |
| AB19-100331 | | 2.40 | 23 | 205 | 9 | 302 | 371 | 34 | 3.95 | <0.5 | | |
| AB19-100332 | | 2.00 | 16 | 79 | <5 | 239 | 303 | 40 | 4.95 | <0.5 | | |
| AB19-100333 | | 0.07 | 107 | 614 | 302 | 4420 | 4360 | 115 | 3.94 | 1.6 | | |
| AB19-100334 | | 2.26 | 22 | 43 | <5 | 226 | 309 | 31 | 3.81 | <0.5 | | |
| AB19-100335 | | 2.28 | 55 | 339 | 32 | 508 | 407 | 31 | 3.99 | <0.5 | | |
| AB19-100336 | | 2.27 | 115 | 220 | 28 | 639 | 843 | 50 | 3.89 | <0.5 | | |
| AB19-100337 | | 2.30 | 21 | 204 | 19 | 250 | 363 | 42 | 5.68 | <0.5 | | |
| AB19-100338 | | 2.08 | 9 | 27 | <5 | 179 | 355 | 46 | 6.18 | <0.5 | | |
| AB19-100339 | | 2.26 | 5 | 2 | <5 | 149 | 337 | 38 | 5.10 | <0.5 | | |
| AB19-100340 | | 1.98 | 22 | 221 | 19 | 343 | 474 | 43 | 5.22 | <0.5 | | |
| AB19-100341 | | 2.20 | 12 | 18 | <5 | 193 | 437 | 42 | 5.33 | <0.5 | | |
| AB19-100342 | | 2.01 | 15 | 22 | 11 | 250 | 545 | 32 | 3.19 | <0.5 | | |
| AB19-100343 | | 2.05 | 27 | 100 | 13 | 454 | 597 | 32 | 2.32 | <0.5 | | |
| AB19-100344 | | 1.98 | 10 | 14 | <5 | 189 | 420 | 23 | 2.37 | <0.5 | | |
| AB19-100345 | | 1.84 | 5 | 6 | <5 | 140 | 286 | 30 | 3.53 | <0.5 | | |
| AB19-100346 | | 2.04 | 23 | 54 | 22 | 505 | 890 | 41 | 3.13 | <0.5 | | |
| AB19-100347 | | 1.92 | 14 | 78 | 12 | 245 | 379 | 29 | 3.33 | <0.5 | | |
| AB19-100348 | | 2.08 | 3 | 7 | <5 | 94 | 314 | 38 | 4.82 | <0.5 | | |
| AB19-100349 | | 2.00 | 3 | 7 | <5 | 176 | 405 | 54 | 6.58 | <0.5 | | |
| AB19-100350 | | 2.11 | 3 | 8 | <5 | 103 | 367 | 43 | 5.11 | <0.5 | | |
| AB19-100351 | | 1.84 | 5 | 72 | <5 | 121 | 300 | 28 | 3.07 | <0.5 | | |
| AB19-100352 | | 2.13 | 9 | 28 | 7 | 182 | 351 | 38 | 4.16 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194543

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100353 | | 1.64 | <1 | <1 | <5 | 2 | 5 | <1 | 12.30 | <0.5 | | |
| AB19-100354 | | 2.17 | 17 | 220 | 48 | 290 | 514 | 56 | 6.36 | <0.5 | | |
| AB19-100355 | | 2.21 | 9 | 5 | <5 | 287 | 584 | 71 | 8.08 | <0.5 | | |
| AB19-100356 | | 2.12 | 6 | 7 | <5 | 186 | 495 | 70 | 8.52 | <0.5 | | |
| AB19-100357 | | 2.10 | 20 | 7 | <5 | 294 | 414 | 40 | 4.65 | <0.5 | | |
| AB19-100358 | | 2.04 | 24 | 97 | 12 | 408 | 496 | 38 | 3.79 | <0.5 | | |
| AB19-100359 | | 1.80 | 28 | 10 | 7 | 558 | 903 | 51 | 4.32 | <0.5 | | |
| AB19-100360 | | 2.43 | 2 | 1 | <5 | 126 | 526 | 79 | 9.86 | <0.5 | | |
| AB19-100361 | | 2.33 | 1 | 1 | <5 | 107 | 466 | 75 | 9.52 | <0.5 | | |
| AB19-100362 | | 2.09 | 2 | 5 | <5 | 124 | 447 | 73 | 8.73 | <0.5 | | |
| AB19-100363 | | 2.29 | 2 | 1 | <5 | 160 | 512 | 75 | 9.00 | <0.5 | | |
| AB19-100364 | | 2.20 | <1 | 1 | <5 | 96 | 531 | 82 | 10.50 | <0.5 | | |
| AB19-100365 | | 2.33 | 1 | 1 | <5 | 106 | 525 | 80 | 10.35 | <0.5 | | |
| AB19-100366 | | 2.45 | 2 | 2 | <5 | 129 | 571 | 84 | 10.70 | <0.5 | | |
| AB19-100367 | | 2.42 | 1 | 1 | <5 | 89 | 507 | 77 | 9.88 | <0.5 | | |
| AB19-100368 | | 2.45 | 5 | 1 | <5 | 105 | 522 | 79 | 9.93 | <0.5 | | |
| AB19-100369 | | 2.04 | 2 | 1 | <5 | 111 | 309 | 43 | 5.35 | <0.5 | | |
| AB19-100370 | | 2.28 | 4 | 18 | <5 | 53 | 125 | 26 | 2.50 | <0.5 | | |
| AB19-100371 | | 2.30 | 3 | 11 | <5 | 103 | 426 | 71 | 8.30 | <0.5 | | |
| AB19-100372 | | 2.35 | 2 | 2 | <5 | 103 | 519 | 77 | 9.40 | <0.5 | | |
| AB19-100373 | | 0.08 | 294 | 3470 | 812 | >10000 | >10000 | 990 | 3.92 | 3.9 | 16500 | 47000 |
| AB19-100374 | | 2.51 | 1 | 1 | <5 | 112 | 546 | 81 | 10.10 | <0.5 | | |
| AB19-100375 | | 2.57 | 1 | 1 | <5 | 100 | 547 | 82 | 10.35 | <0.5 | | |
| AB19-100376 | | 2.42 | 4 | 3 | <5 | 171 | 551 | 82 | 10.15 | <0.5 | | |
| AB19-100377 | | 2.50 | 1 | 1 | <5 | 123 | 541 | 84 | 10.35 | <0.5 | | |
| AB19-100378 | | 2.37 | <1 | 1 | <5 | 100 | 553 | 83 | 10.70 | <0.5 | | |
| AB19-100379 | | 2.47 | 3 | 4 | <5 | 162 | 509 | 77 | 9.14 | <0.5 | | |
| AB19-100380 | | 2.29 | 1 | 2 | <5 | 141 | 373 | 64 | 7.22 | <0.5 | | |
| AB19-100381 | | 2.42 | 6 | 27 | <5 | 126 | 511 | 80 | 9.99 | <0.5 | | |
| AB19-100382 | | 2.42 | 5 | 18 | <5 | 111 | 520 | 82 | 10.10 | <0.5 | | |
| AB19-100383 | | 2.18 | 2 | 1 | <5 | 118 | 520 | 77 | 9.67 | <0.5 | | |
| AB19-100384 | | 2.17 | 1 | <1 | <5 | 105 | 476 | 72 | 9.28 | <0.5 | | |
| AB19-100385 | | 2.65 | 1 | <1 | <5 | 95 | 541 | 83 | 10.75 | <0.5 | | |
| AB19-100386 | | 2.68 | 1 | 2 | <5 | 172 | 631 | 87 | 11.10 | <0.5 | | |
| AB19-100387 | | 2.42 | 1 | 1 | <5 | 100 | 538 | 79 | 10.60 | <0.5 | | |
| AB19-100388 | | 2.22 | 1 | <1 | <5 | 102 | 559 | 85 | 11.00 | <0.5 | | |
| AB19-100389 | | 2.02 | <1 | <1 | <5 | 106 | 560 | 84 | 10.85 | <0.5 | | |
| AB19-100390 | | 0.07 | 124 | 593 | 287 | 4520 | 4420 | 115 | 4.05 | 1.9 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194543

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194544

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

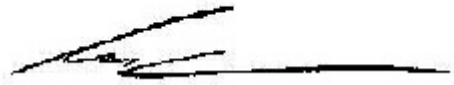
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194544

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100391 | | 1.42 | <1 | 1 | <5 | 2 | 2 | 3 | 15.30 | <0.5 | | |
| AB19-100392 | | 0.07 | 4690 | 2050 | 1300 | 90 | 88 | 65 | 0.27 | 0.5 | | |
| AB19-100393 | | 2.71 | 5 | 3 | <5 | 172 | 640 | 91 | 11.45 | <0.5 | | |
| AB19-100394 | | 2.44 | 3 | 2 | <5 | 155 | 520 | 86 | 10.50 | <0.5 | | |
| AB19-100395 | | 2.28 | 2 | 3 | <5 | 175 | 627 | 90 | 11.35 | <0.5 | | |
| AB19-100396 | | 2.31 | 1 | 5 | <5 | 178 | 608 | 90 | 11.10 | <0.5 | | |
| AB19-100397 | | 2.43 | 1 | 1 | <5 | 122 | 568 | 85 | 11.05 | <0.5 | | |
| AB19-100398 | | 2.52 | 2 | 3 | <5 | 162 | 569 | 79 | 10.35 | <0.5 | | |
| AB19-100399 | | 2.49 | 1 | 3 | <5 | 169 | 591 | 83 | 10.80 | <0.5 | | |
| AB19-100400 | | 2.47 | 3 | 4 | <5 | 236 | 677 | 87 | 10.70 | <0.5 | | |
| AB19-100401 | | 2.24 | 1 | 2 | <5 | 146 | 591 | 85 | 10.90 | <0.5 | | |
| AB19-100402 | | 2.44 | 2 | 2 | <5 | 140 | 573 | 85 | 10.90 | <0.5 | | |
| AB19-100403 | | 2.38 | <1 | 2 | <5 | 127 | 567 | 84 | 11.05 | <0.5 | | |
| AB19-100404 | | 2.35 | 8 | 32 | <5 | 176 | 401 | 72 | 7.64 | <0.5 | | |
| AB19-100405 | | 2.34 | 4 | 7 | <5 | 159 | 144 | 57 | 3.80 | <0.5 | | |
| AB19-100406 | | 2.32 | 3 | 9 | <5 | 154 | 576 | 83 | 10.50 | <0.5 | | |
| AB19-100407 | | 1.31 | 3 | 4 | <5 | 265 | 735 | 90 | 11.20 | <0.5 | | |
| AB19-100408 | | 2.78 | 2 | 2 | <5 | 152 | 584 | 81 | 10.55 | <0.5 | | |
| AB19-100409 | | 2.84 | 2 | 2 | <5 | 171 | 607 | 80 | 10.45 | <0.5 | | |
| AB19-100410 | | 2.40 | 4 | 4 | <5 | 274 | 714 | 87 | 10.85 | <0.5 | | |
| AB19-100411 | | 0.07 | 104 | 599 | 306 | 4460 | 4280 | 112 | 3.88 | 1.9 | | |
| AB19-100412 | | 2.36 | 5 | 4 | <5 | 257 | 707 | 86 | 10.70 | <0.5 | | |
| AB19-100413 | | 2.19 | 2 | 2 | <5 | 126 | 550 | 80 | 10.30 | <0.5 | | |
| AB19-100414 | | 2.45 | 2 | 3 | <5 | 123 | 561 | 80 | 10.35 | <0.5 | | |
| AB19-100415 | | 2.03 | 1 | 2 | <5 | 110 | 527 | 77 | 9.96 | <0.5 | | |
| AB19-100416 | | 2.07 | 1 | 2 | <5 | 133 | 583 | 85 | 10.80 | <0.5 | | |
| AB19-100417 | | 1.88 | 3 | 7 | <5 | 111 | 567 | 84 | 11.00 | <0.5 | | |
| AB19-100418 | | 1.86 | 4 | 6 | <5 | 147 | 528 | 82 | 10.35 | <0.5 | | |
| AB19-100419 | | 0.88 | 2 | 1 | <5 | 150 | 292 | 46 | 5.65 | <0.5 | | |
| AB19-100420 | | 2.33 | 5 | 6 | <5 | 387 | 815 | 82 | 10.05 | <0.5 | | |
| AB19-100421 | | 1.88 | 4 | 4 | <5 | 291 | 607 | 84 | 10.15 | <0.5 | | |
| AB19-100422 | | 1.68 | 1 | 7 | <5 | 136 | 494 | 78 | 8.95 | <0.5 | | |
| AB19-100423 | | 1.30 | 3 | 3 | <5 | 170 | 517 | 87 | 9.59 | <0.5 | | |
| AB19-100424 | | 1.32 | 3 | 2 | <5 | 126 | 204 | 62 | 4.07 | <0.5 | | |
| AB19-100425 | | 2.04 | <1 | 1 | <5 | 26 | 14 | 9 | 0.55 | <0.5 | | |
| AB19-100426 | | 1.97 | <1 | 1 | <5 | 23 | 14 | 6 | 0.53 | <0.5 | | |
| AB19-100427 | | 2.11 | <1 | <1 | <5 | 8 | 15 | 6 | 0.52 | <0.5 | | |
| AB19-100428 | | 2.02 | <1 | <1 | <5 | 8 | 10 | 5 | 0.47 | <0.5 | | |
| AB19-100429 | | 2.02 | <1 | 1 | <5 | 47 | 13 | 7 | 0.53 | <0.5 | | |
| AB19-100430 | | 2.00 | <1 | 1 | <5 | 41 | 13 | 6 | 0.52 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194544

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100431 | | 1.43 | <1 | 1 | <5 | 1 | <1 | <1 | 14.20 | <0.5 | | |
| AB19-100432 | | 1.95 | <1 | 1 | <5 | 16 | 14 | 6 | 0.53 | <0.5 | | |
| AB19-100433 | | 2.01 | <1 | 1 | <5 | 6 | 12 | 6 | 0.51 | <0.5 | | |
| AB19-100434 | | 1.94 | <1 | 1 | <5 | 14 | 11 | 6 | 0.49 | <0.5 | | |
| AB19-100435 | | 2.04 | <1 | 1 | <5 | 4 | 13 | 6 | 0.51 | <0.5 | | |
| AB19-100436 | | 2.12 | <1 | 1 | <5 | 44 | 10 | 7 | 0.54 | <0.5 | | |
| AB19-100437 | | 2.01 | <1 | 2 | <5 | 86 | 13 | 9 | 0.55 | <0.5 | | |
| AB19-100438 | | 1.96 | <1 | 1 | <5 | 2 | 13 | 4 | 0.50 | <0.5 | | |
| AB19-100439 | | 1.86 | <1 | <1 | <5 | 8 | 13 | 6 | 0.53 | <0.5 | | |
| AB19-100440 | | 1.94 | <1 | <1 | <5 | 6 | 12 | 5 | 0.52 | <0.5 | | |
| AB19-100441 | | 1.89 | <1 | <1 | <5 | 10 | 12 | 7 | 0.55 | <0.5 | | |
| AB19-100442 | | 1.93 | <1 | 1 | <5 | 3 | 12 | 7 | 0.58 | <0.5 | | |
| AB19-100443 | | 2.27 | 1 | 1 | <5 | 74 | 11 | 7 | 0.55 | <0.5 | | |
| AB19-100444 | | 2.16 | <1 | 1 | <5 | 44 | 13 | 8 | 0.58 | <0.5 | | |
| AB19-100445 | | 2.87 | <1 | 1 | <5 | 46 | 19 | 7 | 0.69 | <0.5 | | |
| AB19-100446 | | 3.13 | <1 | 7 | <5 | 62 | 174 | 24 | 2.94 | <0.5 | | |
| AB19-100447 | | 2.74 | 22 | 15 | 7 | 1080 | 1015 | 51 | 4.31 | 1.1 | | |
| AB19-100448 | | 2.89 | 22 | 111 | 15 | 869 | 993 | 48 | 3.34 | 0.6 | | |
| AB19-100449 | | 2.27 | 1 | 9 | 5 | 180 | 395 | 22 | 2.12 | <0.5 | | |
| AB19-100450 | | 2.31 | 28 | 27 | 12 | 1320 | 1220 | 56 | 3.21 | 1.2 | | |
| AB19-100451 | | 0.08 | 243 | 3380 | 795 | >10000 | >10000 | 1015 | 4.18 | 4.6 | 16300 | 46300 |
| AB19-100452 | | 2.27 | 26 | 54 | 11 | 1540 | 1155 | 46 | 2.17 | 1.7 | | |
| AB19-100453 | | 2.34 | 17 | 234 | 26 | 1050 | 1115 | 39 | 1.78 | 0.9 | | |
| AB19-100454 | | 2.19 | 12 | 30 | 10 | 905 | 1355 | 49 | 1.67 | 0.7 | | |
| AB19-100455 | | 2.22 | 9 | 42 | 9 | 286 | 544 | 36 | 3.75 | <0.5 | | |
| AB19-100456 | | 2.34 | 2 | 4 | <5 | 120 | 273 | 27 | 2.94 | <0.5 | | |
| AB19-100457 | | 2.41 | 21 | 26 | 9 | 1290 | 916 | 52 | 2.95 | 1.1 | | |
| AB19-100458 | | 1.57 | 17 | 46 | 12 | 853 | 1500 | 70 | 6.59 | 1.1 | | |
| AB19-100459 | | 2.41 | 12 | 101 | 18 | 757 | 830 | 59 | 6.07 | 0.5 | | |
| AB19-100460 | | 2.29 | 1 | 7 | <5 | 72 | 489 | 32 | 3.93 | <0.5 | | |
| AB19-100461 | | 2.21 | 21 | 134 | 19 | 919 | 1275 | 73 | 8.28 | 0.7 | | |
| AB19-100462 | | 2.37 | 12 | 5 | <5 | 416 | 603 | 52 | 6.39 | <0.5 | | |
| AB19-100463 | | 2.33 | 11 | 8 | <5 | 379 | 596 | 46 | 5.26 | <0.5 | | |
| AB19-100464 | | 2.29 | 1 | 29 | <5 | 90 | 647 | 32 | 3.34 | <0.5 | | |
| AB19-100465 | | 2.21 | 1 | 6 | <5 | 44 | 432 | 29 | 3.70 | <0.5 | | |
| AB19-100466 | | 2.39 | 4 | 22 | 7 | 123 | 391 | 37 | 4.36 | <0.5 | | |
| AB19-100467 | | 2.48 | 4 | 6 | <5 | 189 | 329 | 36 | 3.82 | <0.5 | | |
| AB19-100468 | | 0.07 | 87 | 613 | 321 | 4190 | 4120 | 108 | 3.80 | 2.3 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194544

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194545

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

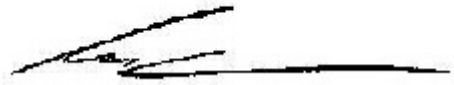
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194545

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100469 | | 1.52 | 3 | <1 | <5 | 2 | 2 | <1 | 13.05 | <0.5 | | |
| AB19-100470 | | 0.07 | 4580 | 2050 | 1300 | 91 | 88 | 66 | 0.29 | 0.7 | | |
| AB19-100471 | | 2.35 | 14 | 13 | <5 | 571 | 432 | 52 | 4.44 | <0.5 | | |
| AB19-100472 | | 2.11 | 11 | 6 | <5 | 570 | 540 | 55 | 4.88 | <0.5 | | |
| AB19-100473 | | 2.47 | 4 | 6 | 5 | 259 | 539 | 48 | 4.16 | <0.5 | | |
| AB19-100474 | | 2.24 | 3 | 7 | <5 | 147 | 623 | 33 | 3.00 | <0.5 | | |
| AB19-100475 | | 2.30 | 26 | 13 | 5 | 739 | 946 | 42 | 2.88 | <0.5 | | |
| AB19-100476 | | 2.44 | 7 | 27 | 7 | 259 | 678 | 38 | 3.36 | <0.5 | | |
| AB19-100477 | | 2.40 | 6 | 18 | 6 | 171 | 264 | 54 | 4.58 | <0.5 | | |
| AB19-100478 | | 2.33 | 4 | 3 | <5 | 227 | 311 | 54 | 3.86 | <0.5 | | |
| AB19-100479 | | 2.46 | 1 | <1 | <5 | 140 | 190 | 59 | 4.46 | <0.5 | | |
| AB19-100480 | | 2.41 | 4 | 3 | <5 | 220 | 337 | 50 | 4.26 | <0.5 | | |
| AB19-100481 | | 2.36 | 5 | 5 | <5 | 218 | 532 | 37 | 4.01 | <0.5 | | |
| AB19-100482 | | 2.49 | 6 | 16 | 8 | 424 | 1245 | 57 | 4.31 | <0.5 | | |
| AB19-100483 | | 2.40 | 10 | 9 | 5 | 615 | 1015 | 60 | 6.00 | 0.5 | | |
| AB19-100484 | | 2.49 | 26 | 26 | 13 | 1760 | 2080 | 97 | 8.65 | 0.7 | | |
| AB19-100485 | | 2.18 | 1 | 6 | 5 | 119 | 609 | 38 | 4.01 | <0.5 | | |
| AB19-100486 | | 2.11 | 1 | 3 | <5 | 40 | 425 | 34 | 3.74 | <0.5 | | |
| AB19-100487 | | 2.23 | 2 | 9 | <5 | 132 | 688 | 46 | 5.17 | <0.5 | | |
| AB19-100488 | | 2.09 | 12 | 7 | <5 | 611 | 1000 | 77 | 8.63 | <0.5 | | |
| AB19-100489 | | 0.07 | 67 | 607 | 285 | 4630 | 4410 | 116 | 4.07 | 1.8 | | |
| AB19-100490 | | 2.06 | 7 | 6 | 5 | 280 | 551 | 49 | 5.68 | <0.5 | | |
| AB19-100491 | | 2.06 | 2 | 5 | <5 | 117 | 349 | 31 | 3.50 | <0.5 | | |
| AB19-100492 | | 2.20 | 7 | 7 | 5 | 290 | 551 | 45 | 4.42 | <0.5 | | |
| AB19-100493 | | 2.11 | 10 | 2 | <5 | 303 | 285 | 33 | 3.60 | <0.5 | | |
| AB19-100494 | | 2.12 | 4 | 1 | <5 | 191 | 181 | 40 | 3.47 | <0.5 | | |
| AB19-100495 | | 2.12 | <1 | 1 | <5 | 23 | 208 | 30 | 3.50 | <0.5 | | |
| AB19-100496 | | 2.02 | <1 | <1 | <5 | 37 | 208 | 30 | 3.50 | <0.5 | | |
| AB19-100497 | | 1.96 | <1 | <1 | <5 | 24 | 162 | 24 | 2.70 | <0.5 | | |
| AB19-100498 | | 1.83 | <1 | 1 | <5 | 44 | 247 | 28 | 3.25 | <0.5 | | |
| AB19-100499 | | 1.98 | <1 | <1 | <5 | 22 | 202 | 26 | 3.24 | <0.5 | | |
| AB19-100500 | | 2.12 | 3 | 2 | <5 | 116 | 368 | 43 | 5.30 | <0.5 | | |
| AB19-100501 | | 1.88 | 1 | 5 | <5 | 110 | 370 | 42 | 4.78 | <0.5 | | |
| AB19-100502 | | 2.05 | 1 | 8 | 5 | 111 | 578 | 40 | 4.51 | <0.5 | | |
| AB19-100503 | | 1.94 | 7 | 4 | <5 | 263 | 321 | 41 | 4.12 | <0.5 | | |
| AB19-100504 | | 1.90 | 14 | 8 | 5 | 522 | 554 | 50 | 4.04 | <0.5 | | |
| AB19-100505 | | 2.06 | 30 | 7 | 6 | 735 | 795 | 42 | 3.01 | <0.5 | | |
| AB19-100506 | | 2.30 | 11 | 5 | 6 | 389 | 534 | 53 | 5.24 | <0.5 | | |
| AB19-100507 | | 2.09 | 1 | 1 | <5 | 69 | 324 | 33 | 3.98 | <0.5 | | |
| AB19-100508 | | 1.88 | <1 | 1 | <5 | 22 | 296 | 27 | 3.38 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194545

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100509 | | 2.36 | <1 | <1 | <5 | 1 | 2 | <1 | 12.50 | <0.5 | | |
| AB19-100510 | | 1.96 | 31 | 15 | 7 | 899 | 1220 | 51 | 3.62 | <0.5 | | |
| AB19-100511 | | 2.39 | 36 | 25 | 9 | 1170 | 1740 | 76 | 5.83 | <0.5 | | |
| AB19-100512 | | 2.10 | 21 | 12 | 6 | 861 | 1140 | 72 | 7.30 | <0.5 | | |
| AB19-100513 | | 2.13 | 46 | 26 | 9 | 1615 | 2000 | 91 | 6.67 | 0.8 | | |
| AB19-100514 | | 2.08 | 21 | 14 | 6 | 799 | 1070 | 47 | 3.65 | <0.5 | | |
| AB19-100515 | | 1.93 | 29 | 13 | 8 | 927 | 918 | 44 | 2.93 | <0.5 | | |
| AB19-100516 | | 2.14 | 39 | 17 | 5 | 1165 | 1200 | 55 | 3.56 | <0.5 | | |
| AB19-100517 | | 1.98 | 12 | 6 | <5 | 343 | 469 | 32 | 3.27 | <0.5 | | |
| AB19-100518 | | 1.88 | 11 | 12 | 5 | 904 | 1150 | 76 | 8.38 | 2.3 | | |
| AB19-100519 | | 2.06 | 23 | 17 | 8 | 1055 | 1280 | 67 | 5.18 | 1.0 | | |
| AB19-100520 | | 2.15 | 2 | 5 | <5 | 116 | 456 | 39 | 4.76 | <0.5 | | |
| AB19-100521 | | 1.69 | 9 | 9 | 5 | 447 | 693 | 58 | 6.52 | <0.5 | | |
| AB19-100522 | | 0.59 | 25 | 28 | 12 | 1760 | 1920 | 75 | 4.62 | <0.5 | | |
| AB19-100523 | | 1.63 | 38 | 27 | 15 | 1515 | 1660 | 79 | 6.61 | 0.5 | | |
| AB19-100524 | | 3.19 | 20 | 12 | 7 | 729 | 948 | 64 | 7.04 | <0.5 | | |
| AB19-100525 | | 0.54 | 82 | 40 | 18 | 2540 | 2630 | 76 | 2.32 | 0.9 | | |
| AB19-100526 | | 2.58 | 54 | 24 | 9 | 1475 | 1640 | 60 | 3.32 | 0.5 | | |
| AB19-100527 | | 2.36 | 16 | 10 | 6 | 676 | 829 | 44 | 4.04 | <0.5 | | |
| AB19-100528 | | 2.43 | 7 | 5 | <5 | 193 | 486 | 73 | 7.31 | <0.5 | | |
| AB19-100529 | | 0.08 | 238 | 3310 | 779 | >10000 | >10000 | 990 | 3.91 | 4.3 | 16500 | 46600 |
| AB19-100530 | | 2.50 | 3 | 3 | <5 | 125 | 470 | 82 | 8.27 | <0.5 | | |
| AB19-100531 | | 2.42 | 5 | 4 | <5 | 168 | 307 | 29 | 3.24 | <0.5 | | |
| AB19-100532 | | 2.26 | 11 | 9 | 6 | 355 | 627 | 39 | 3.84 | <0.5 | | |
| AB19-100533 | | 2.40 | 8 | 8 | <5 | 229 | 684 | 54 | 5.89 | <0.5 | | |
| AB19-100534 | | 2.35 | 5 | 10 | 8 | 158 | 538 | 49 | 5.74 | <0.5 | | |
| AB19-100535 | | 2.29 | 7 | 8 | <5 | 224 | 463 | 45 | 4.98 | <0.5 | | |
| AB19-100536 | | 2.27 | 23 | 15 | 10 | 628 | 713 | 43 | 3.34 | 0.5 | | |
| AB19-100537 | | 2.28 | 20 | 14 | 6 | 610 | 576 | 45 | 3.98 | 0.5 | | |
| AB19-100538 | | 2.37 | 6 | 9 | 5 | 281 | 424 | 38 | 3.75 | <0.5 | | |
| AB19-100539 | | 2.39 | 9 | 7 | <5 | 325 | 432 | 43 | 4.10 | <0.5 | | |
| AB19-100540 | | 2.35 | 1 | 1 | <5 | 128 | 315 | 47 | 4.96 | <0.5 | | |
| AB19-100541 | | 2.24 | 3 | 1 | <5 | 168 | 293 | 40 | 4.02 | <0.5 | | |
| AB19-100542 | | 2.40 | 5 | 3 | <5 | 246 | 381 | 50 | 4.96 | <0.5 | | |
| AB19-100543 | | 2.60 | 3 | 1 | <5 | 166 | 330 | 47 | 5.29 | <0.5 | | |
| AB19-100544 | | 2.59 | 3 | 2 | <5 | 196 | 247 | 35 | 3.62 | <0.5 | | |
| AB19-100545 | | 2.13 | 1 | 1 | <5 | 126 | 239 | 38 | 3.65 | <0.5 | | |
| AB19-100546 | | 0.07 | 156 | 601 | 298 | 4330 | 4220 | 113 | 3.87 | 2.1 | | |

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

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194545

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 29-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194559

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

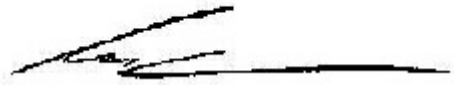
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 29-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194559

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100781 | | 1.47 | 1 | <1 | <5 | 4 | 4 | 1 | 13.45 | <0.5 | | |
| AB19-100782 | | 0.07 | 5020 | 1990 | 1250 | 87 | 84 | 61 | 0.26 | 0.9 | | |
| AB19-100783 | | 2.60 | 9 | 5 | <5 | 409 | 809 | 95 | 11.15 | <0.5 | | |
| AB19-100784 | | 2.37 | 7 | 4 | <5 | 380 | 693 | 73 | 8.52 | <0.5 | | |
| AB19-100785 | | 2.55 | 18 | 16 | 7 | 828 | 1640 | 94 | 8.19 | <0.5 | | |
| AB19-100786 | | 2.58 | 14 | 7 | <5 | 534 | 597 | 65 | 6.12 | 0.5 | | |
| AB19-100787 | | 2.57 | 4 | 3 | <5 | 197 | 620 | 68 | 8.36 | <0.5 | | |
| AB19-100788 | | 2.73 | 14 | 9 | <5 | 694 | 962 | 89 | 9.10 | <0.5 | | |
| AB19-100789 | | 2.59 | 20 | 13 | 9 | 960 | 1215 | 107 | 9.70 | <0.5 | | |
| AB19-100790 | | 2.67 | 12 | 9 | <5 | 704 | 931 | 99 | 9.12 | <0.5 | | |
| AB19-100791 | | 2.46 | 3 | 1 | <5 | 155 | 477 | 66 | 8.38 | <0.5 | | |
| AB19-100792 | | 2.42 | 5 | 1 | <5 | 319 | 516 | 68 | 8.18 | <0.5 | | |
| AB19-100793 | | 2.58 | 4 | 3 | <5 | 250 | 565 | 79 | 9.00 | <0.5 | | |
| AB19-100794 | | 2.27 | 2 | 1 | <5 | 165 | 523 | 66 | 8.20 | <0.5 | | |
| AB19-100795 | | 2.60 | 4 | 4 | <5 | 313 | 640 | 71 | 8.47 | <0.5 | | |
| AB19-100796 | | 1.92 | 1 | 1 | <5 | 106 | 474 | 68 | 8.80 | <0.5 | | |
| AB19-100797 | | 3.10 | 5 | 3 | <5 | 313 | 646 | 69 | 7.77 | 0.5 | | |
| AB19-100798 | | 2.55 | 4 | 4 | <5 | 251 | 648 | 87 | 9.83 | <0.5 | | |
| AB19-100799 | | 2.35 | 3 | 4 | <5 | 175 | 708 | 99 | 9.88 | <0.5 | | |
| AB19-100800 | | 2.58 | 10 | 7 | <5 | 818 | 855 | 89 | 8.88 | 1.0 | | |
| AB19-100801 | | 0.07 | 103 | 610 | 291 | 4500 | 4380 | 115 | 4.02 | 1.8 | | |
| AB19-100802 | | 2.57 | 11 | 12 | <5 | 672 | 830 | 82 | 7.09 | 0.8 | | |
| AB19-100803 | | 1.84 | 6 | 4 | <5 | 349 | 662 | 63 | 6.99 | 0.5 | | |
| AB19-100804 | | 2.07 | 6 | 5 | <5 | 431 | 718 | 63 | 6.56 | 0.5 | | |
| AB19-100805 | | 2.71 | 7 | <1 | <5 | 473 | 140 | 70 | 3.85 | <0.5 | | |
| AB19-100806 | | 2.62 | 10 | 9 | <5 | 776 | 1275 | 78 | 7.82 | 0.6 | | |
| AB19-100807 | | 2.50 | 7 | 7 | <5 | 563 | 1090 | 83 | 9.99 | 0.6 | | |
| AB19-100808 | | 1.95 | 3 | 2 | <5 | 288 | 213 | 39 | 3.80 | <0.5 | | |
| AB19-100809 | | 2.02 | 2 | 2 | <5 | 144 | 513 | 54 | 6.84 | <0.5 | | |
| AB19-100810 | | 1.99 | 17 | 14 | 6 | 1500 | 2080 | 92 | 8.39 | 0.9 | | |
| AB19-100811 | | 2.28 | 5 | 3 | <5 | 259 | 325 | 53 | 3.99 | <0.5 | | |
| AB19-100812 | | 2.21 | 2 | 15 | <5 | 147 | 286 | 60 | 5.69 | <0.5 | | |
| AB19-100813 | | 2.07 | 2 | 1 | <5 | 140 | 462 | 58 | 7.33 | <0.5 | | |
| AB19-100814 | | 2.14 | 1 | 1 | <5 | 97 | 396 | 56 | 7.07 | <0.5 | | |
| AB19-100815 | | 2.14 | <1 | 1 | <5 | 12 | 412 | 53 | 7.19 | <0.5 | | |
| AB19-100816 | | 2.26 | 2 | 2 | <5 | 44 | 460 | 54 | 6.68 | 0.5 | | |
| AB19-100817 | | 2.12 | 2 | 3 | <5 | 97 | 391 | 52 | 6.39 | <0.5 | | |
| AB19-100818 | | 2.24 | 2 | 2 | <5 | 82 | 330 | 52 | 6.46 | <0.5 | | |
| AB19-100819 | | 2.15 | 1 | 1 | <5 | 78 | 349 | 55 | 6.72 | <0.5 | | |
| AB19-100820 | | 2.41 | 3 | 2 | <5 | 132 | 347 | 57 | 6.77 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 29-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194559

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100821 | | 1.94 | 1 | 1 | <5 | 1 | <1 | <1 | 13.50 | <0.5 | | |
| AB19-100822 | | 2.00 | 4 | 1 | <5 | 174 | 335 | 59 | 7.02 | <0.5 | | |
| AB19-100823 | | 2.12 | 3 | 3 | <5 | 194 | 428 | 57 | 6.90 | <0.5 | | |
| AB19-100824 | | 2.19 | 4 | 3 | <5 | 296 | 552 | 61 | 7.26 | <0.5 | | |
| AB19-100825 | | 2.16 | 2 | <1 | <5 | 111 | 220 | 53 | 4.95 | <0.5 | | |
| AB19-100826 | | 2.32 | 2 | 1 | <5 | 97 | 343 | 56 | 6.58 | <0.5 | | |
| AB19-100827 | | 1.74 | 3 | 4 | <5 | 191 | 452 | 59 | 7.08 | <0.5 | | |
| AB19-100828 | | 2.64 | 1 | 2 | <5 | 113 | 401 | 58 | 7.24 | <0.5 | | |
| AB19-100829 | | 2.04 | 1 | 1 | <5 | 71 | 344 | 53 | 6.82 | <0.5 | | |
| AB19-100830 | | 2.14 | 2 | 2 | <5 | 97 | 325 | 53 | 6.52 | <0.5 | | |
| AB19-100831 | | 2.32 | 1 | 2 | <5 | 85 | 338 | 55 | 6.59 | <0.5 | | |
| AB19-100832 | | 2.12 | <1 | <1 | <5 | 129 | 269 | 58 | 5.90 | <0.5 | | |
| AB19-100833 | | 2.51 | <1 | 3 | 5 | 104 | 357 | 59 | 7.33 | <0.5 | | |
| AB19-100834 | | 2.53 | <1 | 1 | <5 | 70 | 323 | 55 | 6.74 | <0.5 | | |
| AB19-100835 | | 2.30 | <1 | 1 | <5 | 139 | 270 | 58 | 5.90 | <0.5 | | |
| AB19-100836 | | 2.37 | <1 | <1 | <5 | 100 | 208 | 53 | 4.81 | <0.5 | | |
| AB19-100837 | | 2.66 | <1 | 1 | <5 | 88 | 360 | 60 | 7.18 | <0.5 | | |
| AB19-100838 | | 2.46 | 3 | 1 | <5 | 56 | 325 | 55 | 6.64 | <0.5 | | |
| AB19-100839 | | 2.40 | 2 | 2 | <5 | 180 | 338 | 60 | 5.94 | <0.5 | | |
| AB19-100840 | | 2.47 | <1 | 2 | <5 | 107 | 337 | 58 | 6.82 | <0.5 | | |
| AB19-100841 | | 0.08 | 308 | 3370 | 803 | >10000 | >10000 | 999 | 4.10 | 4.4 | 15650 | 45100 |
| AB19-100842 | | 2.63 | <1 | 3 | <5 | 108 | 413 | 60 | 7.49 | <0.5 | | |
| AB19-100843 | | 2.29 | 2 | 3 | <5 | 113 | 390 | 60 | 7.09 | <0.5 | | |
| AB19-100844 | | 2.37 | 3 | 3 | <5 | 189 | 345 | 54 | 5.79 | <0.5 | | |
| AB19-100845 | | 2.53 | <1 | 2 | <5 | 103 | 333 | 54 | 6.41 | <0.5 | | |
| AB19-100846 | | 2.93 | <1 | <1 | <5 | 114 | 234 | 45 | 5.26 | <0.5 | | |
| AB19-100847 | | 2.96 | 2 | 1 | <5 | 81 | 242 | 44 | 5.34 | <0.5 | | |
| AB19-100848 | | 2.77 | <1 | 2 | <5 | 84 | 319 | 55 | 6.78 | <0.5 | | |
| AB19-100849 | | 2.28 | 1 | 1 | <5 | 63 | 373 | 61 | 7.53 | <0.5 | | |
| AB19-100850 | | 2.73 | <1 | 2 | <5 | 79 | 361 | 60 | 7.49 | <0.5 | | |
| AB19-100851 | | 2.31 | <1 | 2 | <5 | 76 | 324 | 54 | 6.60 | <0.5 | | |
| AB19-100852 | | 2.76 | <1 | 1 | <5 | 81 | 362 | 62 | 7.51 | <0.5 | | |
| AB19-100853 | | 2.56 | <1 | 2 | <5 | 75 | 327 | 55 | 6.59 | <0.5 | | |
| AB19-100854 | | 2.65 | 1 | 2 | <5 | 77 | 321 | 53 | 6.69 | <0.5 | | |
| AB19-100855 | | 2.41 | <1 | 2 | <5 | 71 | 325 | 54 | 6.87 | 0.5 | | |
| AB19-100856 | | 2.56 | <1 | 2 | <5 | 86 | 370 | 61 | 7.57 | <0.5 | | |
| AB19-100857 | | 2.50 | <1 | 2 | <5 | 72 | 328 | 55 | 7.05 | <0.5 | | |
| AB19-100858 | | 0.07 | 68 | 606 | 326 | 4400 | 4280 | 112 | 3.90 | 2.3 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 29-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194559

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194567

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

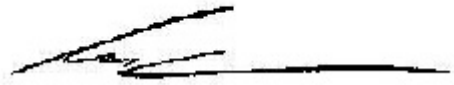
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194567

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100001 | | 1.35 | <1 | <1 | <5 | 2 | 3 | 2 | 13.75 | <0.5 | | |
| AB19-100002 | | 0.07 | 4690 | 2030 | 1280 | 90 | 86 | 64 | 0.27 | 1.3 | | |
| AB19-100003 | | 2.56 | 5 | 16 | <5 | 246 | 474 | 66 | 6.65 | <0.5 | | |
| AB19-100004 | | 2.54 | 1 | 3 | <5 | 64 | 329 | 51 | 5.38 | <0.5 | | |
| AB19-100005 | | 2.57 | 5 | 6 | <5 | 192 | 563 | 78 | 7.98 | <0.5 | | |
| AB19-100006 | | 2.52 | 3 | 57 | 5 | 122 | 398 | 50 | 5.42 | <0.5 | | |
| AB19-100007 | | 2.79 | 3 | 58 | 7 | 136 | 527 | 58 | 6.12 | <0.5 | | |
| AB19-100008 | | 2.30 | 14 | 29 | 5 | 365 | 579 | 63 | 6.22 | <0.5 | | |
| AB19-100009 | | 2.63 | 9 | 17 | 7 | 385 | 779 | 87 | 7.98 | <0.5 | | |
| AB19-100010 | | 2.45 | 27 | 34 | 8 | 621 | 859 | 71 | 6.70 | <0.5 | | |
| AB19-100011 | | 2.46 | 8 | 18 | <5 | 431 | 739 | 80 | 7.92 | <0.5 | | |
| AB19-100012 | | 2.34 | 4 | 10 | <5 | 245 | 478 | 48 | 5.75 | <0.5 | | |
| AB19-100013 | | 2.49 | 13 | 34 | 8 | 377 | 551 | 52 | 5.23 | <0.5 | | |
| AB19-100014 | | 2.35 | 20 | 7 | <5 | 180 | 467 | 48 | 5.23 | <0.5 | | |
| AB19-100015 | | 2.40 | 7 | 11 | 5 | 186 | 515 | 46 | 4.94 | <0.5 | | |
| AB19-100016 | | 1.95 | 13 | 51 | 14 | 346 | 579 | 70 | 6.79 | <0.5 | | |
| AB19-100017 | | 2.02 | 10 | 264 | 25 | 326 | 651 | 90 | 10.30 | <0.5 | | |
| AB19-100018 | | 1.97 | 7 | 7 | <5 | 150 | 393 | 59 | 7.29 | <0.5 | | |
| AB19-100019 | | 1.73 | 5 | 119 | 31 | 134 | 370 | 52 | 6.38 | <0.5 | | |
| AB19-100020 | | 2.41 | 7 | 93 | 6 | 115 | 359 | 50 | 6.26 | <0.5 | | |
| AB19-100021 | | 0.07 | 75 | 606 | 286 | 4490 | 4350 | 116 | 3.96 | 1.9 | | |
| AB19-100022 | | 2.55 | 19 | 91 | 9 | 323 | 451 | 65 | 6.38 | <0.5 | | |
| AB19-100023 | | 2.78 | 13 | 46 | 20 | 230 | 408 | 51 | 5.26 | <0.5 | | |
| AB19-100024 | | 2.36 | 51 | 543 | 42 | 427 | 450 | 49 | 4.56 | <0.5 | | |
| AB19-100025 | | 2.45 | 10 | 122 | 12 | 215 | 551 | 66 | 8.66 | <0.5 | | |
| AB19-100026 | | 2.41 | 31 | 216 | 22 | 394 | 665 | 78 | 9.54 | <0.5 | | |
| AB19-100027 | | 2.02 | 37 | 308 | 26 | 535 | 603 | 82 | 9.14 | <0.5 | | |
| AB19-100028 | | 2.14 | 13 | 56 | 5 | 254 | 445 | 65 | 7.00 | <0.5 | | |
| AB19-100029 | | 1.99 | 7 | 219 | 18 | 189 | 389 | 48 | 4.61 | <0.5 | | |
| AB19-100030 | | 1.83 | 6 | 78 | 5 | 220 | 536 | 66 | 6.50 | <0.5 | | |
| AB19-100031 | | 2.00 | 2 | 8 | <5 | 83 | 392 | 62 | 7.55 | <0.5 | | |
| AB19-100032 | | 1.87 | 10 | 18 | 5 | 287 | 539 | 74 | 7.75 | <0.5 | | |
| AB19-100033 | | 2.02 | 3 | 36 | 7 | 74 | 376 | 63 | 7.58 | <0.5 | | |
| AB19-100034 | | 2.35 | 4 | 25 | 5 | 76 | 413 | 64 | 7.73 | <0.5 | | |
| AB19-100035 | | 1.36 | 15 | 118 | 11 | 276 | 465 | 66 | 7.54 | <0.5 | | |
| AB19-100036 | | 1.82 | 3 | 3 | <5 | 219 | 459 | 82 | 9.37 | <0.5 | | |
| AB19-100037 | | 1.65 | 7 | 5 | <5 | 239 | 439 | 68 | 7.67 | <0.5 | | |
| AB19-100038 | | 2.16 | 13 | 9 | <5 | 401 | 615 | 85 | 9.15 | <0.5 | | |
| AB19-100039 | | 2.26 | 8 | 13 | <5 | 312 | 520 | 84 | 9.22 | <0.5 | | |
| AB19-100040 | | 2.10 | 94 | 288 | 19 | 1200 | 906 | 86 | 6.89 | 0.7 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194567

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100041 | | 2.23 | 1 | 2 | <5 | 3 | 3 | <1 | 13.95 | <0.5 | | |
| AB19-100042 | | 2.05 | 10 | 73 | 8 | 467 | 599 | 73 | 7.48 | 0.5 | | |
| AB19-100043 | | 2.15 | 4 | 15 | 5 | 136 | 365 | 59 | 6.50 | <0.5 | | |
| AB19-100044 | | 2.01 | 1 | 1 | <5 | 90 | 337 | 65 | 7.93 | <0.5 | | |
| AB19-100045 | | 2.13 | 10 | 22 | <5 | 273 | 386 | 60 | 5.38 | <0.5 | | |
| AB19-100046 | | 2.01 | 3 | 4 | <5 | 151 | 319 | 59 | 6.65 | <0.5 | | |
| AB19-100047 | | 2.11 | 5 | 7 | <5 | 352 | 384 | 60 | 6.51 | <0.5 | | |
| AB19-100048 | | 2.16 | 2 | 2 | <5 | 118 | 282 | 57 | 6.45 | <0.5 | | |
| AB19-100049 | | 2.04 | <1 | <1 | <5 | 81 | 200 | 42 | 4.52 | <0.5 | | |
| AB19-100050 | | 2.15 | 4 | 33 | 5 | 106 | 346 | 58 | 7.02 | <0.5 | | |
| AB19-100051 | | 2.16 | 1 | 5 | <5 | 112 | 391 | 72 | 9.14 | <0.5 | | |
| AB19-100052 | | 2.24 | <1 | 2 | <5 | 112 | 416 | 76 | 9.76 | <0.5 | | |
| AB19-100053 | | 2.15 | 4 | 17 | <5 | 176 | 451 | 72 | 8.70 | <0.5 | | |
| AB19-100054 | | 2.11 | 4 | 13 | <5 | 206 | 532 | 76 | 9.31 | <0.5 | | |
| AB19-100055 | | 2.17 | 5 | 23 | <5 | 210 | 540 | 77 | 9.48 | <0.5 | | |
| AB19-100056 | | 2.20 | 1 | 2 | <5 | 99 | 420 | 74 | 9.93 | <0.5 | | |
| AB19-100057 | | 2.13 | 1 | 1 | <5 | 100 | 430 | 75 | 10.05 | <0.5 | | |
| AB19-100058 | | 1.87 | <1 | <1 | <5 | 95 | 435 | 78 | 10.40 | <0.5 | | |
| AB19-100059 | | 2.30 | 1 | 1 | <5 | 89 | 374 | 68 | 9.10 | <0.5 | | |
| AB19-100060 | | 2.10 | 1 | 1 | <5 | 103 | 403 | 73 | 9.51 | <0.5 | | |
| AB19-100061 | | 0.08 | 275 | 3470 | 797 | >10000 | >10000 | 967 | 4.05 | 4.7 | 16050 | 45100 |
| AB19-100062 | | 2.17 | 4 | 6 | <5 | 147 | 434 | 73 | 8.64 | <0.5 | | |
| AB19-100063 | | 2.02 | 8 | 31 | <5 | 237 | 373 | 55 | 5.13 | <0.5 | | |
| AB19-100064 | | 2.73 | 4 | 14 | <5 | 119 | 381 | 68 | 7.38 | <0.5 | | |
| AB19-100065 | | 1.48 | 22 | 413 | 67 | 236 | 467 | 63 | 6.56 | <0.5 | | |
| AB19-100066 | | 2.00 | 2 | 12 | <5 | 86 | 354 | 56 | 6.12 | <0.5 | | |
| AB19-100067 | | 2.09 | 2 | 7 | <5 | 86 | 414 | 67 | 7.80 | <0.5 | | |
| AB19-100068 | | 2.08 | 2 | 5 | <5 | 106 | 449 | 77 | 9.26 | <0.5 | | |
| AB19-100069 | | 2.16 | 5 | 11 | <5 | 160 | 391 | 71 | 8.23 | <0.5 | | |
| AB19-100070 | | 2.17 | 7 | 11 | <5 | 209 | 321 | 59 | 6.23 | <0.5 | | |
| AB19-100071 | | 2.12 | 2 | 2 | <5 | 92 | 356 | 66 | 8.05 | <0.5 | | |
| AB19-100072 | | 1.55 | 1 | 4 | <5 | 63 | 399 | 69 | 8.68 | <0.5 | | |
| AB19-100073 | | 2.03 | <1 | 13 | <5 | 50 | 377 | 64 | 8.64 | <0.5 | | |
| AB19-100074 | | 2.11 | 1 | 2 | <5 | 70 | 18 | 6 | 0.52 | <0.5 | | |
| AB19-100075 | | 1.98 | <1 | 1 | <5 | 13 | 22 | 7 | 0.71 | <0.5 | | |
| AB19-100076 | | 1.91 | <1 | 1 | <5 | 64 | 401 | 68 | 9.24 | <0.5 | | |
| AB19-100077 | | 1.81 | <1 | 2 | <5 | 67 | 414 | 71 | 9.84 | <0.5 | | |
| AB19-100078 | | 0.07 | 80 | 635 | 327 | 4390 | 4240 | 111 | 3.91 | 2.0 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194567

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194568

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

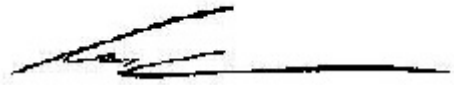
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194568

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100079 | | 1.50 | 1 | <1 | <5 | <1 | 1 | 1 | 13.80 | <0.5 | | |
| AB19-100080 | | 0.07 | 4680 | 1990 | 1240 | 88 | 87 | 66 | 0.27 | 1.1 | | |
| AB19-100081 | | 2.55 | <1 | <1 | <5 | 80 | 430 | 75 | 10.50 | <0.5 | | |
| AB19-100082 | | 2.57 | <1 | 60 | 7 | 64 | 448 | 75 | 10.35 | <0.5 | | |
| AB19-100083 | | 2.44 | <1 | 1 | <5 | 64 | 409 | 72 | 9.99 | <0.5 | | |
| AB19-100084 | | 2.54 | <1 | <1 | <5 | 69 | 433 | 78 | 10.35 | <0.5 | | |
| AB19-100085 | | 2.52 | 6 | 7 | <5 | 171 | 444 | 78 | 10.20 | <0.5 | | |
| AB19-100086 | | 2.38 | 1 | 20 | <5 | 114 | 399 | 70 | 9.26 | <0.5 | | |
| AB19-100087 | | 2.33 | 1 | 7 | <5 | 80 | 411 | 72 | 9.85 | <0.5 | | |
| AB19-100088 | | 2.51 | 3 | <1 | <5 | 85 | 418 | 72 | 9.73 | <0.5 | | |
| AB19-100089 | | 2.50 | 2 | 35 | 6 | 104 | 463 | 79 | 10.30 | <0.5 | | |
| AB19-100090 | | 2.55 | <1 | <1 | <5 | 79 | 452 | 80 | 10.70 | <0.5 | | |
| AB19-100091 | | 2.57 | 2 | 1 | <5 | 102 | 452 | 81 | 10.70 | <0.5 | | |
| AB19-100092 | | 2.51 | 1 | <1 | <5 | 119 | 469 | 79 | 10.55 | <0.5 | | |
| AB19-100093 | | 2.53 | 3 | 4 | <5 | 129 | 474 | 80 | 10.15 | <0.5 | | |
| AB19-100094 | | 2.86 | 4 | 83 | 13 | 201 | 513 | 80 | 10.15 | <0.5 | | |
| AB19-100095 | | 2.45 | 2 | 1 | <5 | 96 | 439 | 79 | 10.50 | <0.5 | | |
| AB19-100096 | | 2.40 | 2 | <1 | <5 | 90 | 399 | 72 | 9.23 | <0.5 | | |
| AB19-100097 | | 2.36 | 4 | 2 | <5 | 153 | 472 | 82 | 9.75 | <0.5 | | |
| AB19-100098 | | 1.89 | 9 | 43 | 5 | 180 | 470 | 82 | 9.44 | <0.5 | | |
| AB19-100099 | | 0.07 | 102 | 593 | 292 | 4360 | 4220 | 112 | 3.94 | 1.9 | | |
| AB19-100100 | | 1.99 | 2 | <1 | <5 | 118 | 418 | 84 | 9.70 | <0.5 | | |
| AB19-100101 | | 1.80 | 1 | <1 | <5 | 116 | 352 | 76 | 8.63 | <0.5 | | |
| AB19-100102 | | 1.66 | 1 | <1 | <5 | 68 | 230 | 56 | 5.86 | <0.5 | | |
| AB19-100103 | | 2.35 | 2 | <1 | <5 | 92 | 164 | 34 | 3.07 | <0.5 | | |
| AB19-100104 | | 2.25 | 2 | <1 | <5 | 117 | 294 | 64 | 6.50 | <0.5 | | |
| AB19-100105 | | 2.09 | 2 | <1 | <5 | 219 | 354 | 58 | 5.70 | <0.5 | | |
| AB19-100106 | | 2.10 | 1 | <1 | <5 | 139 | 252 | 44 | 4.57 | <0.5 | | |
| AB19-100107 | | 2.04 | 1 | 5 | <5 | 70 | 162 | 39 | 3.69 | <0.5 | | |
| AB19-100108 | | 1.91 | 2 | 6 | <5 | 93 | 224 | 43 | 4.69 | <0.5 | | |
| AB19-100109 | | 2.21 | 1 | 1 | <5 | 92 | 208 | 42 | 4.53 | <0.5 | | |
| AB19-100110 | | 1.90 | 1 | 1 | <5 | 107 | 215 | 44 | 4.79 | <0.5 | | |
| AB19-100111 | | 2.29 | 5 | 33 | <5 | 180 | 322 | 56 | 5.47 | <0.5 | | |
| AB19-100112 | | 1.97 | 2 | 3 | <5 | 73 | 229 | 44 | 5.23 | <0.5 | | |
| AB19-100113 | | 2.33 | 3 | 2 | <5 | 307 | 547 | 76 | 6.34 | <0.5 | | |
| AB19-100114 | | 2.02 | 1 | <1 | <5 | 78 | 244 | 46 | 5.30 | <0.5 | | |
| AB19-100115 | | 2.12 | 5 | 296 | 14 | 167 | 408 | 50 | 5.29 | <0.5 | | |
| AB19-100116 | | 1.88 | 13 | 602 | 144 | 329 | 593 | 53 | 4.31 | <0.5 | | |
| AB19-100117 | | 2.32 | 2 | 5 | <5 | 90 | 214 | 38 | 4.22 | <0.5 | | |
| AB19-100118 | | 2.07 | 1 | <1 | <5 | 84 | 213 | 37 | 4.28 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194568

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100119 | | 1.87 | <1 | <1 | <5 | <1 | 3 | <1 | 13.15 | <0.5 | | |
| AB19-100120 | | 2.08 | 4 | 7 | <5 | 81 | 203 | 36 | 3.84 | <0.5 | | |
| AB19-100121 | | 2.27 | 2 | 8 | <5 | 195 | 414 | 59 | 5.34 | <0.5 | | |
| AB19-100122 | | 2.25 | 13 | 8 | <5 | 389 | 611 | 80 | 7.00 | <0.5 | | |
| AB19-100123 | | 2.15 | 2 | <1 | <5 | 126 | 314 | 51 | 6.08 | <0.5 | | |
| AB19-100124 | | 2.30 | 1 | <1 | <5 | 143 | 370 | 61 | 7.23 | <0.5 | | |
| AB19-100125 | | 2.26 | 4 | 58 | 7 | 366 | 600 | 82 | 6.38 | <0.5 | | |
| AB19-100126 | | 1.86 | 8 | 35 | <5 | 364 | 723 | 91 | 8.07 | <0.5 | | |
| AB19-100127 | | 2.43 | 10 | 86 | 23 | 244 | 598 | 70 | 7.60 | <0.5 | | |
| AB19-100128 | | 1.84 | 1 | <1 | <5 | 97 | 282 | 59 | 6.31 | <0.5 | | |
| AB19-100129 | | 1.84 | 1 | <1 | <5 | 198 | 399 | 60 | 6.87 | <0.5 | | |
| AB19-100130 | | 2.51 | 4 | 2 | <5 | 349 | 561 | 72 | 8.06 | <0.5 | | |
| AB19-100131 | | 2.02 | 6 | 30 | 5 | 259 | 459 | 66 | 7.57 | <0.5 | | |
| AB19-100132 | | 2.24 | 6 | 1 | <5 | 172 | 319 | 53 | 6.06 | <0.5 | | |
| AB19-100133 | | 2.26 | 1 | <1 | <5 | 97 | 282 | 53 | 6.19 | <0.5 | | |
| AB19-100134 | | 2.25 | 1 | <1 | <5 | 96 | 273 | 51 | 5.95 | <0.5 | | |
| AB19-100135 | | 2.38 | 2 | 1 | <5 | 99 | 288 | 52 | 6.41 | <0.5 | | |
| AB19-100136 | | 2.33 | 4 | 22 | <5 | 115 | 284 | 50 | 5.99 | <0.5 | | |
| AB19-100137 | | 2.20 | 3 | 15 | <5 | 117 | 250 | 43 | 5.08 | <0.5 | | |
| AB19-100138 | | 2.14 | 1 | <1 | <5 | 90 | 241 | 42 | 5.15 | <0.5 | | |
| AB19-100139 | | 0.12 | 269 | 3590 | 807 | >10000 | >10000 | 922 | 3.89 | 3.6 | 15900 | 45000 |
| AB19-100140 | | 2.16 | 1 | <1 | <5 | 114 | 270 | 43 | 5.11 | <0.5 | | |
| AB19-100141 | | 2.10 | <1 | <1 | <5 | 72 | 245 | 42 | 5.09 | <0.5 | | |
| AB19-100142 | | 2.20 | 1 | <1 | <5 | 97 | 265 | 47 | 5.43 | <0.5 | | |
| AB19-100143 | | 2.17 | 5 | 74 | 9 | 119 | 293 | 49 | 5.71 | <0.5 | | |
| AB19-100144 | | 2.19 | 1 | 2 | <5 | 112 | 296 | 49 | 5.60 | <0.5 | | |
| AB19-100145 | | 2.07 | 4 | 3 | <5 | 174 | 355 | 50 | 5.70 | <0.5 | | |
| AB19-100146 | | 2.18 | 2 | 5 | <5 | 125 | 294 | 46 | 5.58 | <0.5 | | |
| AB19-100147 | | 2.13 | 2 | 1 | <5 | 138 | 289 | 46 | 5.16 | <0.5 | | |
| AB19-100148 | | 2.35 | 7 | 3 | <5 | 214 | 423 | 58 | 6.81 | <0.5 | | |
| AB19-100149 | | 2.21 | 7 | 1 | <5 | 193 | 368 | 49 | 5.54 | <0.5 | | |
| AB19-100150 | | 1.94 | 7 | 3 | <5 | 204 | 370 | 51 | 5.81 | <0.5 | | |
| AB19-100151 | | 2.25 | 2 | <1 | <5 | 120 | 274 | 45 | 5.61 | <0.5 | | |
| AB19-100152 | | 2.31 | 9 | 71 | 13 | 197 | 324 | 45 | 4.77 | <0.5 | | |
| AB19-100153 | | 2.12 | 1 | <1 | <5 | 101 | 271 | 46 | 5.48 | <0.5 | | |
| AB19-100154 | | 2.15 | 2 | <1 | <5 | 124 | 310 | 46 | 5.24 | <0.5 | | |
| AB19-100155 | | 1.98 | 2 | 7 | <5 | 88 | 257 | 42 | 4.72 | <0.5 | | |
| AB19-100156 | | 0.07 | 67 | 615 | 298 | 4540 | 4420 | 119 | 4.13 | 2.0 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 24-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194568

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 23-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194569

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

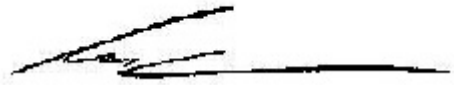
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 23-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194569

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100157 | | 1.27 | <1 | <1 | <5 | 2 | 4 | 2 | 13.60 | <0.5 | | |
| AB19-100158 | | 0.07 | 4800 | 2050 | 1340 | 85 | 84 | 63 | 0.26 | 0.8 | | |
| AB19-100159 | | 2.19 | 2 | 3 | <5 | 113 | 285 | 44 | 4.86 | <0.5 | | |
| AB19-100160 | | 2.40 | 1 | 5 | <5 | 92 | 269 | 36 | 3.85 | <0.5 | | |
| AB19-100161 | | 2.45 | 5 | 1 | <5 | 226 | 491 | 54 | 6.75 | <0.5 | | |
| AB19-100162 | | 2.34 | 4 | 2 | <5 | 168 | 422 | 52 | 6.60 | <0.5 | | |
| AB19-100163 | | 2.54 | 4 | 2 | <5 | 213 | 492 | 56 | 6.72 | <0.5 | | |
| AB19-100164 | | 2.29 | 4 | 1 | <5 | 197 | 479 | 57 | 6.66 | <0.5 | | |
| AB19-100165 | | 2.30 | 26 | 12 | 5 | 1000 | 1535 | 73 | 6.99 | 0.5 | | |
| AB19-100166 | | 2.47 | 72 | 31 | 12 | 2930 | 3560 | 110 | 6.81 | 1.0 | | |
| AB19-100167 | | 2.34 | 48 | 22 | 11 | 2870 | 3230 | 110 | 7.61 | 1.3 | | |
| AB19-100168 | | 2.44 | 4 | 29 | <5 | 299 | 541 | 56 | 7.14 | <0.5 | | |
| AB19-100169 | | 2.47 | 1 | 1 | <5 | 96 | 372 | 53 | 7.30 | <0.5 | | |
| AB19-100170 | | 2.54 | <1 | <1 | <5 | 82 | 337 | 49 | 6.72 | <0.5 | | |
| AB19-100171 | | 2.42 | 5 | 127 | <5 | 196 | 352 | 48 | 5.57 | <0.5 | | |
| AB19-100172 | | 2.63 | 1 | 4 | <5 | 75 | 358 | 51 | 6.69 | <0.5 | | |
| AB19-100173 | | 2.67 | 2 | 20 | <5 | 88 | 346 | 50 | 6.40 | <0.5 | | |
| AB19-100174 | | 3.22 | 3 | 372 | 24 | 86 | 417 | 53 | 6.78 | <0.5 | | |
| AB19-100175 | | 2.48 | <1 | 1 | <5 | 27 | 5 | 1 | 0.08 | <0.5 | | |
| AB19-100176 | | 2.18 | 2 | 5 | <5 | 81 | 371 | 52 | 6.76 | <0.5 | | |
| AB19-100177 | | 0.07 | 64 | 606 | 282 | 4500 | 4320 | 111 | 3.80 | 2.0 | | |
| AB19-100178 | | 2.47 | 9 | 11 | <5 | 239 | 451 | 51 | 6.60 | <0.5 | | |
| AB19-100179 | | 2.41 | 4 | 16 | <5 | 147 | 458 | 45 | 5.49 | <0.5 | | |
| AB19-100180 | | 2.72 | 3 | 25 | <5 | 93 | 437 | 58 | 8.01 | <0.5 | | |
| AB19-100181 | | 2.76 | <1 | 1 | <5 | 56 | 517 | 73 | 10.15 | <0.5 | | |
| AB19-100182 | | 2.21 | 4 | 74 | 6 | 162 | 639 | 77 | 10.40 | <0.5 | | |
| AB19-100183 | | 2.74 | 8 | 30 | <5 | 193 | 660 | 79 | 9.97 | <0.5 | | |
| AB19-100184 | | 1.95 | 5 | 29 | 6 | 219 | 769 | 77 | 10.40 | <0.5 | | |
| AB19-100185 | | 2.36 | 3 | 7 | <5 | 109 | 586 | 76 | 10.65 | <0.5 | | |
| AB19-100186 | | 2.27 | 5 | 274 | 16 | 105 | 604 | 75 | 10.55 | <0.5 | | |
| AB19-100187 | | 1.88 | 11 | 46 | <5 | 163 | 387 | 64 | 7.30 | <0.5 | | |
| AB19-100188 | | 1.62 | 3 | 2 | <5 | 129 | 202 | 51 | 4.34 | <0.5 | | |
| AB19-100189 | | 1.65 | 8 | 32 | <5 | 194 | 423 | 62 | 7.02 | <0.5 | | |
| AB19-100190 | | 1.63 | 6 | 24 | 5 | 238 | 510 | 74 | 8.06 | <0.5 | | |
| AB19-100191 | | 1.46 | 1 | 8 | <5 | 140 | 466 | 71 | 8.87 | <0.5 | | |
| AB19-100192 | | 1.93 | <1 | 1 | <5 | 137 | 468 | 72 | 8.93 | <0.5 | | |
| AB19-100193 | | 2.30 | 1 | 19 | <5 | 129 | 533 | 79 | 10.15 | <0.5 | | |
| AB19-100194 | | 2.54 | 4 | 6 | <5 | 138 | 553 | 82 | 10.25 | <0.5 | | |
| AB19-100195 | | 1.77 | 9 | 66 | 6 | 116 | 509 | 79 | 10.35 | <0.5 | | |
| AB19-100196 | | 2.41 | 9 | 56 | 5 | 176 | 567 | 82 | 10.95 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 23-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194569

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100197 | | 1.96 | 1 | <1 | <5 | 2 | 4 | 1 | 12.60 | <0.5 | | |
| AB19-100198 | | 2.45 | 2 | 1 | <5 | 121 | 536 | 79 | 10.60 | <0.5 | | |
| AB19-100199 | | 2.51 | 1 | 2 | <5 | 85 | 501 | 77 | 10.50 | <0.5 | | |
| AB19-100200 | | 2.40 | 2 | 1 | <5 | 92 | 503 | 74 | 10.35 | <0.5 | | |
| AB19-100201 | | 2.04 | 4 | <1 | <5 | 107 | 548 | 79 | 10.90 | <0.5 | | |
| AB19-100202 | | 2.28 | 2 | 10 | <5 | 73 | 487 | 72 | 10.00 | <0.5 | | |
| AB19-100203 | | 2.25 | 3 | 36 | 5 | 77 | 495 | 73 | 10.05 | <0.5 | | |
| AB19-100204 | | 2.33 | 4 | 60 | 5 | 136 | 472 | 71 | 9.32 | <0.5 | | |
| AB19-100205 | | 2.26 | 4 | 1 | <5 | 99 | 419 | 62 | 8.71 | <0.5 | | |
| AB19-100206 | | 2.63 | 5 | 1 | <5 | 110 | 485 | 74 | 10.15 | <0.5 | | |
| AB19-100207 | | 2.41 | 2 | <1 | <5 | 91 | 502 | 75 | 10.35 | <0.5 | | |
| AB19-100208 | | 2.23 | 3 | 23 | <5 | 99 | 528 | 77 | 10.60 | <0.5 | | |
| AB19-100209 | | 2.34 | 7 | 113 | 10 | 187 | 577 | 79 | 10.30 | <0.5 | | |
| AB19-100210 | | 2.15 | 3 | 36 | <5 | 107 | 538 | 78 | 10.90 | <0.5 | | |
| AB19-100211 | | 2.20 | <1 | 1 | <5 | 90 | 506 | 74 | 10.35 | <0.5 | | |
| AB19-100212 | | 2.31 | 1 | 1 | <5 | 102 | 510 | 75 | 10.30 | <0.5 | | |
| AB19-100213 | | 2.26 | 2 | 25 | <5 | 105 | 552 | 80 | 11.20 | <0.5 | | |
| AB19-100214 | | 2.34 | 1 | 1 | <5 | 89 | 548 | 80 | 11.40 | <0.5 | | |
| AB19-100215 | | 2.22 | <1 | 1 | <5 | 92 | 543 | 81 | 11.40 | <0.5 | | |
| AB19-100216 | | 2.41 | 1 | 1 | <5 | 103 | 512 | 77 | 10.70 | <0.5 | | |
| AB19-100217 | | 0.08 | 204 | 3430 | 783 | >10000 | >10000 | 1025 | 4.10 | 4.4 | 16350 | 45700 |
| AB19-100218 | | 2.63 | 7 | 56 | 7 | 151 | 601 | 83 | 11.60 | <0.5 | | |
| AB19-100219 | | 2.59 | 2 | 2 | <5 | 135 | 579 | 80 | 11.45 | <0.5 | | |
| AB19-100220 | | 1.57 | 5 | 1 | <5 | 116 | 420 | 59 | 8.41 | <0.5 | | |
| AB19-100221 | | 2.30 | 2 | 27 | <5 | 62 | 511 | 72 | 10.30 | <0.5 | | |
| AB19-100222 | | 2.67 | 2 | 2 | <5 | 98 | 376 | 47 | 6.97 | <0.5 | | |
| AB19-100223 | | 2.74 | 3 | 3 | <5 | 93 | 528 | 74 | 10.80 | <0.5 | | |
| AB19-100224 | | 2.74 | 3 | 39 | 9 | 91 | 524 | 76 | 10.85 | <0.5 | | |
| AB19-100225 | | 1.96 | 4 | 83 | 25 | 83 | 474 | 72 | 10.00 | <0.5 | | |
| AB19-100226 | | 2.20 | 6 | 79 | 7 | 138 | 413 | 64 | 7.80 | <0.5 | | |
| AB19-100227 | | 2.16 | 9 | 79 | 6 | 88 | 565 | 78 | 11.65 | <0.5 | | |
| AB19-100228 | | 2.22 | 8 | 74 | 7 | 108 | 554 | 77 | 11.35 | <0.5 | | |
| AB19-100229 | | 2.16 | 14 | 75 | 9 | 164 | 480 | 73 | 9.29 | <0.5 | | |
| AB19-100230 | | 2.28 | 6 | 53 | <5 | 113 | 533 | 75 | 11.65 | <0.5 | | |
| AB19-100231 | | 2.47 | 4 | 12 | <5 | 131 | 569 | 78 | 12.00 | <0.5 | | |
| AB19-100232 | | 2.35 | 21 | 185 | 18 | 325 | 625 | 80 | 11.85 | <0.5 | | |
| AB19-100233 | | 1.80 | 2 | 1 | <5 | 78 | 530 | 74 | 11.65 | <0.5 | | |
| AB19-100234 | | 0.07 | 90 | 618 | 290 | 4610 | 4350 | 114 | 3.94 | 1.7 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 23-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194569

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-AUG-2019**
**Account: MZI**

# CERTIFICATE TB19194573

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 7-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK | DENIS DECHARTE<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

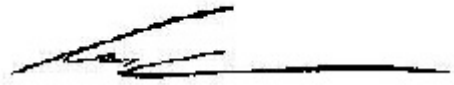
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194573

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100859 | | 2.85 | <1 | <1 | <5 | <1 | 2 | <1 | 13.70 | <0.5 | | |
| AB19-100860 | | 0.07 | 4370 | 2030 | 1300 | 90 | 86 | 63 | 0.27 | 1.1 | | |
| AB19-100861 | | 2.29 | 1 | 1 | <5 | 106 | 390 | 61 | 7.67 | <0.5 | | |
| AB19-100862 | | 2.97 | <1 | <1 | <5 | 117 | 256 | 49 | 5.93 | <0.5 | | |
| AB19-100863 | | 2.69 | <1 | <1 | <5 | 69 | 303 | 50 | 6.47 | <0.5 | | |
| AB19-100864 | | 2.52 | <1 | <1 | <5 | 72 | 287 | 49 | 6.25 | <0.5 | | |
| AB19-100865 | | 2.44 | <1 | <1 | <5 | 76 | 309 | 54 | 6.46 | <0.5 | | |
| AB19-100866 | | 2.45 | <1 | <1 | <5 | 66 | 295 | 50 | 6.52 | <0.5 | | |
| AB19-100867 | | 2.39 | <1 | <1 | <5 | 69 | 319 | 55 | 6.81 | <0.5 | | |
| AB19-100868 | | 2.45 | 1 | <1 | <5 | 61 | 308 | 53 | 6.72 | <0.5 | | |
| AB19-100869 | | 2.39 | <1 | <1 | <5 | 8 | 311 | 47 | 5.95 | <0.5 | | |
| AB19-100870 | | 2.45 | <1 | <1 | <5 | 69 | 307 | 52 | 6.62 | <0.5 | | |
| AB19-100871 | | 2.57 | <1 | <1 | <5 | 61 | 308 | 54 | 6.72 | <0.5 | | |
| AB19-100872 | | 2.57 | <1 | <1 | <5 | 63 | 314 | 55 | 6.93 | <0.5 | | |
| AB19-100873 | | 2.42 | <1 | <1 | <5 | 57 | 291 | 49 | 6.21 | <0.5 | | |
| AB19-100874 | | 2.38 | <1 | <1 | <5 | 58 | 287 | 50 | 6.34 | <0.5 | | |
| AB19-100875 | | 2.29 | <1 | <1 | <5 | 97 | 342 | 56 | 6.58 | <0.5 | | |
| AB19-100876 | | 2.52 | <1 | <1 | <5 | 56 | 282 | 49 | 6.14 | <0.5 | | |
| AB19-100877 | | 2.52 | <1 | <1 | <5 | 65 | 305 | 52 | 6.71 | <0.5 | | |
| AB19-100878 | | 2.54 | <1 | <1 | <5 | 63 | 301 | 52 | 6.44 | <0.5 | | |
| AB19-100879 | | 0.07 | 126 | 593 | 282 | 4630 | 4290 | 111 | 3.92 | 2.0 | | |
| AB19-100880 | | 2.50 | 3 | <1 | <5 | 66 | 291 | 50 | 6.30 | <0.5 | | |
| AB19-100881 | | 2.36 | <1 | <1 | <5 | 71 | 282 | 51 | 6.41 | <0.5 | | |
| AB19-100882 | | 2.07 | 1 | <1 | <5 | 84 | 304 | 52 | 6.55 | <0.5 | | |
| AB19-100883 | | 2.38 | 2 | 1 | <5 | 125 | 393 | 60 | 7.92 | <0.5 | | |
| AB19-100884 | | 2.46 | 1 | 2 | <5 | 108 | 370 | 60 | 7.45 | <0.5 | | |
| AB19-100885 | | 2.18 | <1 | <1 | <5 | 70 | 322 | 55 | 6.98 | <0.5 | | |
| AB19-100886 | | 2.03 | <1 | <1 | <5 | 68 | 316 | 54 | 6.83 | <0.5 | | |
| AB19-100887 | | 2.18 | <1 | <1 | <5 | 69 | 289 | 50 | 6.20 | <0.5 | | |
| AB19-100888 | | 2.19 | <1 | <1 | <5 | 60 | 289 | 49 | 6.10 | <0.5 | | |
| AB19-100889 | | 2.06 | <1 | <1 | <5 | 83 | 321 | 52 | 6.54 | <0.5 | | |
| AB19-100890 | | 2.06 | <1 | <1 | <5 | 77 | 307 | 50 | 6.26 | <0.5 | | |
| AB19-100891 | | 2.24 | 1 | <1 | <5 | 57 | 284 | 48 | 6.15 | <0.5 | | |
| AB19-100892 | | 2.01 | <1 | <1 | <5 | 98 | 277 | 46 | 5.67 | <0.5 | | |
| AB19-100893 | | 2.07 | <1 | <1 | <5 | 72 | 278 | 47 | 5.60 | <0.5 | | |
| AB19-100894 | | 2.02 | 1 | <1 | <5 | 68 | 296 | 53 | 6.38 | <0.5 | | |
| AB19-100895 | | 2.12 | <1 | <1 | <5 | 104 | 344 | 53 | 6.51 | <0.5 | | |
| AB19-100896 | | 2.18 | <1 | <1 | <5 | 67 | 297 | 51 | 6.30 | <0.5 | | |
| AB19-100897 | | 2.04 | <1 | <1 | <5 | 62 | 299 | 52 | 6.47 | <0.5 | | |
| AB19-100898 | | 2.06 | <1 | <1 | <5 | 63 | 294 | 50 | 6.31 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194573

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100899 | | 1.62 | 1 | <1 | <5 | <1 | 3 | 1 | 13.95 | <0.5 | | |
| AB19-100900 | | 2.09 | <1 | <1 | <5 | 81 | 288 | 50 | 6.09 | <0.5 | | |
| AB19-100901 | | 2.21 | <1 | <1 | <5 | 64 | 301 | 55 | 6.69 | <0.5 | | |
| AB19-100902 | | 2.10 | <1 | <1 | <5 | 66 | 293 | 51 | 6.30 | <0.5 | | |
| AB19-100903 | | 2.14 | 1 | <1 | <5 | 64 | 299 | 51 | 6.42 | <0.5 | | |
| AB19-100904 | | 2.02 | <1 | <1 | <5 | 83 | 297 | 50 | 6.31 | <0.5 | | |
| AB19-100905 | | 2.06 | <1 | <1 | <5 | 54 | 301 | 52 | 6.48 | <0.5 | | |
| AB19-100906 | | 2.12 | <1 | <1 | <5 | 48 | 303 | 51 | 6.52 | <0.5 | | |
| AB19-100907 | | 2.04 | <1 | <1 | <5 | 38 | 322 | 54 | 6.65 | <0.5 | | |
| AB19-100908 | | 2.13 | <1 | <1 | <5 | 29 | 279 | 47 | 6.08 | <0.5 | | |
| AB19-100909 | | 2.19 | <1 | <1 | <5 | 69 | 308 | 53 | 6.53 | <0.5 | | |
| AB19-100910 | | 2.03 | <1 | <1 | <5 | 40 | 280 | 47 | 5.73 | <0.5 | | |
| AB19-100911 | | 2.19 | <1 | <1 | <5 | 80 | 267 | 46 | 5.53 | <0.5 | | |
| AB19-100912 | | 2.24 | 1 | <1 | <5 | 89 | 259 | 44 | 5.44 | <0.5 | | |
| AB19-100913 | | 2.44 | <1 | <1 | <5 | 68 | 328 | 54 | 6.98 | <0.5 | | |
| AB19-100914 | | 2.28 | <1 | <1 | <5 | 77 | 307 | 51 | 6.70 | <0.5 | | |
| AB19-100915 | | 2.24 | 1 | <1 | <5 | 61 | 316 | 55 | 6.94 | <0.5 | | |
| AB19-100916 | | 2.39 | <1 | <1 | <5 | 65 | 307 | 52 | 6.67 | <0.5 | | |
| AB19-100917 | | 2.19 | <1 | <1 | <5 | 34 | 304 | 48 | 6.78 | <0.5 | | |
| AB19-100918 | | 2.20 | <1 | <1 | <5 | 92 | 314 | 52 | 6.75 | <0.5 | | |
| AB19-100919 | | 0.08 | 207 | 3250 | 758 | >10000 | >10000 | 971 | 4.04 | 4.1 | 15950 | 45900 |
| AB19-100920 | | 2.08 | <1 | <1 | <5 | 43 | 314 | 51 | 6.50 | <0.5 | | |
| AB19-100921 | | 2.19 | <1 | <1 | <5 | 60 | 311 | 51 | 6.64 | <0.5 | | |
| AB19-100922 | | 2.21 | <1 | <1 | <5 | 80 | 316 | 47 | 6.07 | <0.5 | | |
| AB19-100923 | | 2.16 | <1 | <1 | <5 | 85 | 339 | 51 | 6.57 | <0.5 | | |
| AB19-100924 | | 1.97 | <1 | <1 | <5 | 35 | 250 | 41 | 5.46 | <0.5 | | |
| AB19-100925 | | 2.28 | 1 | <1 | <5 | 134 | 242 | 55 | 5.10 | <0.5 | | |
| AB19-100926 | | 1.99 | 1 | <1 | <5 | 153 | 381 | 57 | 6.99 | <0.5 | | |
| AB19-100927 | | 2.16 | <1 | <1 | <5 | 51 | 308 | 49 | 6.19 | <0.5 | | |
| AB19-100928 | | 2.29 | <1 | <1 | <5 | 50 | 293 | 48 | 5.86 | <0.5 | | |
| AB19-100929 | | 2.25 | <1 | <1 | <5 | 58 | 302 | 51 | 6.34 | <0.5 | | |
| AB19-100930 | | 2.25 | <1 | <1 | <5 | 59 | 291 | 49 | 6.17 | <0.5 | | |
| AB19-100931 | | 2.28 | <1 | <1 | <5 | 61 | 310 | 51 | 6.66 | <0.5 | | |
| AB19-100932 | | 2.26 | 1 | <1 | <5 | 65 | 313 | 53 | 6.64 | <0.5 | | |
| AB19-100933 | | 2.14 | <1 | <1 | <5 | 65 | 306 | 53 | 6.52 | <0.5 | | |
| AB19-100934 | | 2.16 | <1 | <1 | <5 | 66 | 329 | 55 | 6.93 | <0.5 | | |
| AB19-100935 | | 2.15 | <1 | <1 | <5 | 66 | 304 | 54 | 6.65 | <0.5 | | |
| AB19-100936 | | 0.07 | 96 | 618 | 313 | 4570 | 4470 | 115 | 4.00 | 1.8 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-AUG-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19194573

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 1-SEP-2019**
**Account: MZI**

# CERTIFICATE TB19203133

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 15-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

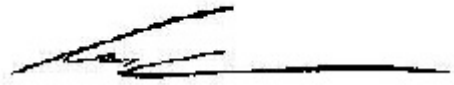
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**



Project: 18-101

# CERTIFICATE OF ANALYSIS TB19203133

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100937 | | 1.65 | 1 | <1 | <5 | <1 | <1 | <1 | 13.40 | <0.5 | | |
| AB19-100938 | | 0.07 | 4680 | 2070 | 1290 | 87 | 88 | 64 | 0.27 | 0.5 | | |
| AB19-100939 | | 1.99 | 2 | 2 | <5 | 77 | 302 | 55 | 6.53 | <0.5 | | |
| AB19-100940 | | 3.26 | 1 | 1 | <5 | 53 | 299 | 54 | 6.59 | <0.5 | | |
| AB19-100941 | | 2.21 | 1 | 1 | <5 | 95 | 320 | 52 | 6.42 | <0.5 | | |
| AB19-100942 | | 2.60 | <1 | 1 | <5 | 81 | 292 | 52 | 6.30 | <0.5 | | |
| AB19-100943 | | 2.43 | 1 | 1 | <5 | 82 | 275 | 52 | 6.08 | <0.5 | | |
| AB19-100944 | | 2.64 | 1 | 2 | <5 | 91 | 323 | 51 | 6.58 | <0.5 | | |
| AB19-100945 | | 3.00 | <1 | 1 | <5 | 88 | 284 | 51 | 6.18 | <0.5 | | |
| AB19-100946 | | 2.81 | 1 | 1 | <5 | 100 | 336 | 56 | 6.89 | <0.5 | | |
| AB19-100947 | | 2.42 | <1 | 1 | <5 | 69 | 319 | 56 | 7.13 | <0.5 | | |
| AB19-100948 | | 2.27 | <1 | 1 | <5 | 66 | 320 | 54 | 6.84 | <0.5 | | |
| AB19-100949 | | 1.79 | <1 | <1 | <5 | 78 | 297 | 58 | 6.62 | <0.5 | | |
| AB19-100950 | | 2.47 | <1 | <1 | <5 | 108 | 285 | 62 | 6.49 | <0.5 | | |
| AB19-100951 | | 2.71 | 4 | 94 | 35 | 46 | 309 | 41 | 5.09 | <0.5 | | |
| AB19-100952 | | 2.54 | 5 | 100 | 43 | 65 | 328 | 45 | 5.62 | <0.5 | | |
| AB19-100953 | | 2.60 | 9 | 217 | 58 | 83 | 322 | 40 | 4.70 | <0.5 | | |
| AB19-100954 | | 2.57 | 1 | 93 | 51 | 12 | 246 | 30 | 3.81 | <0.5 | | |
| AB19-100955 | | 2.68 | 21 | 346 | 81 | 338 | 530 | 63 | 6.78 | <0.5 | | |
| AB19-100956 | | 2.40 | 19 | 392 | 56 | 391 | 489 | 38 | 3.50 | <0.5 | | |
| AB19-100957 | | 0.07 | 67 | 603 | 293 | 4380 | 4270 | 114 | 3.87 | 1.8 | | |
| AB19-100958 | | 2.58 | 2 | 123 | 27 | 44 | 234 | 28 | 3.75 | <0.5 | | |
| AB19-100959 | | 3.03 | 5 | 210 | 55 | 77 | 423 | 49 | 6.45 | <0.5 | | |
| AB19-100960 | | 2.11 | 16 | 392 | 103 | 280 | 537 | 64 | 7.57 | <0.5 | | |
| AB19-100961 | | 2.22 | 18 | 805 | 170 | 255 | 587 | 59 | 6.67 | <0.5 | | |
| AB19-100962 | | 2.24 | 3 | 150 | 43 | 61 | 344 | 50 | 6.28 | <0.5 | | |
| AB19-100963 | | 2.21 | 27 | 346 | 69 | 321 | 580 | 68 | 7.90 | <0.5 | | |
| AB19-100964 | | 2.19 | 25 | 544 | 115 | 218 | 472 | 53 | 6.61 | <0.5 | | |
| AB19-100965 | | 2.30 | 26 | 369 | 76 | 265 | 471 | 51 | 6.26 | <0.5 | | |
| AB19-100966 | | 2.43 | 18 | 359 | 62 | 213 | 536 | 51 | 6.16 | <0.5 | | |
| AB19-100967 | | 2.20 | 14 | 222 | 43 | 124 | 432 | 49 | 5.80 | <0.5 | | |
| AB19-100968 | | 2.43 | 23 | 300 | 62 | 198 | 452 | 60 | 6.98 | <0.5 | | |
| AB19-100969 | | 2.23 | 18 | 204 | 44 | 207 | 363 | 45 | 5.06 | <0.5 | | |
| AB19-100970 | | 2.18 | 24 | 262 | 67 | 224 | 441 | 53 | 6.01 | <0.5 | | |
| AB19-100971 | | 2.36 | 46 | 563 | 99 | 275 | 534 | 54 | 5.80 | <0.5 | | |
| AB19-100972 | | 2.12 | 55 | 695 | 122 | 481 | 802 | 77 | 8.59 | <0.5 | | |
| AB19-100973 | | 2.50 | 42 | 342 | 59 | 296 | 530 | 67 | 7.10 | <0.5 | | |
| AB19-100974 | | 2.15 | 26 | 253 | 44 | 195 | 379 | 46 | 5.49 | <0.5 | | |
| AB19-100975 | | 2.23 | 8 | 102 | 28 | 105 | 319 | 48 | 5.72 | <0.5 | | |
| AB19-100976 | | 2.47 | 28 | 594 | 75 | 326 | 495 | 54 | 5.95 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**



Project: 18-101

# CERTIFICATE OF ANALYSIS TB19203133

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-100977 | | 1.80 | 52 | <1 | <5 | 1 | <1 | <1 | 12.85 | <0.5 | | |
| AB19-100978 | | 2.21 | 14 | 209 | 41 | 74 | 347 | 42 | 5.59 | <0.5 | | |
| AB19-100979 | | 2.43 | 19 | 315 | 58 | 149 | 385 | 45 | 5.34 | <0.5 | | |
| AB19-100980 | | 2.19 | 15 | 471 | 79 | 154 | 452 | 54 | 6.13 | <0.5 | | |
| AB19-100981 | | 2.58 | 19 | 300 | 55 | 115 | 332 | 45 | 5.79 | <0.5 | | |
| AB19-100982 | | 2.12 | 5 | 140 | 40 | 96 | 295 | 44 | 5.39 | <0.5 | | |
| AB19-100983 | | 2.32 | 22 | 467 | 60 | 249 | 464 | 60 | 5.68 | <0.5 | | |
| AB19-100984 | | 2.16 | 19 | 153 | 32 | 263 | 469 | 56 | 6.26 | <0.5 | | |
| AB19-100985 | | 2.18 | 16 | 56 | 18 | 163 | 386 | 52 | 6.24 | <0.5 | | |
| AB19-100986 | | 2.25 | 18 | 118 | 34 | 330 | 463 | 51 | 5.42 | <0.5 | | |
| AB19-100987 | | 2.12 | 6 | 48 | 16 | 106 | 313 | 44 | 5.52 | <0.5 | | |
| AB19-100988 | | 2.28 | 9 | 92 | 26 | 168 | 411 | 52 | 5.90 | <0.5 | | |
| AB19-100989 | | 2.01 | 8 | 65 | 19 | 138 | 336 | 47 | 5.61 | <0.5 | | |
| AB19-100990 | | 2.90 | 1 | 19 | 6 | 51 | 79 | 20 | 1.59 | <0.5 | | |
| AB19-100991 | | 1.69 | 1 | 17 | 7 | 78 | 70 | 35 | 2.38 | <0.5 | | |
| AB19-100992 | | 2.23 | 1 | 26 | 6 | 69 | 85 | 32 | 2.64 | <0.5 | | |
| AB19-100993 | | 2.20 | <1 | <1 | <5 | 38 | 11 | 14 | 0.83 | <0.5 | | |
| AB19-100994 | | 2.00 | 1 | 1 | <5 | 35 | 11 | 8 | 0.68 | <0.5 | | |
| AB19-100995 | | 2.09 | 1 | 1 | <5 | 54 | 19 | 19 | 1.05 | <0.5 | | |
| AB19-100996 | | 2.20 | <1 | <1 | <5 | 29 | 15 | 6 | 0.57 | <0.5 | | |
| AB19-100997 | | 0.12 | 219 | 3360 | 784 | >10000 | >10000 | 999 | 4.01 | 3.7 | 16550 | 47600 |
| AB19-100998 | | 2.06 | <1 | 1 | <5 | 33 | 46 | 11 | 0.80 | <0.5 | | |
| AB19-100999 | | 2.50 | 1 | 1 | <5 | 93 | 333 | 55 | 6.79 | <0.5 | | |
| AB19-101000 | | 2.07 | 1 | 1 | <5 | 66 | 298 | 49 | 6.39 | <0.5 | | |
| AB19-101001 | | 2.49 | 2 | <1 | <5 | 51 | 273 | 46 | 5.88 | <0.5 | | |
| AB19-101002 | | 2.39 | 1 | 1 | <5 | 74 | 324 | 52 | 6.62 | <0.5 | | |
| AB19-101003 | | 2.36 | <1 | 1 | <5 | 55 | 284 | 48 | 6.10 | <0.5 | | |
| AB19-101004 | | 2.58 | 1 | 1 | <5 | 63 | 287 | 48 | 6.24 | <0.5 | | |
| AB19-101005 | | 2.26 | <1 | <1 | <5 | 127 | 242 | 59 | 5.18 | <0.5 | | |
| AB19-101006 | | 2.43 | <1 | 1 | <5 | 76 | 271 | 54 | 6.12 | <0.5 | | |
| AB19-101007 | | 2.40 | 1 | 1 | <5 | 88 | 294 | 55 | 6.06 | <0.5 | | |
| AB19-101008 | | 2.15 | <1 | 1 | <5 | 47 | 291 | 50 | 6.54 | <0.5 | | |
| AB19-101009 | | 2.39 | <1 | 1 | <5 | 48 | 278 | 47 | 6.07 | <0.5 | | |
| AB19-101010 | | 2.33 | 3 | 1 | <5 | 52 | 304 | 53 | 6.69 | <0.5 | | |
| AB19-101011 | | 2.23 | 2 | <1 | <5 | 54 | 304 | 52 | 6.70 | <0.5 | | |
| AB19-101012 | | 2.34 | <1 | 1 | <5 | 60 | 300 | 50 | 6.78 | <0.5 | | |
| AB19-101013 | | 2.14 | 1 | 1 | <5 | 77 | 284 | 49 | 6.17 | <0.5 | | |
| AB19-101014 | | 0.07 | 122 | 609 | 292 | 4340 | 4370 | 114 | 3.92 | 1.8 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 1-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19203133

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-SEP-2019**
**Account: MZI**

# CERTIFICATE TB19211698

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

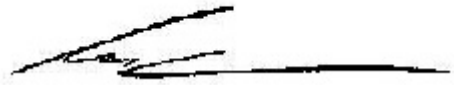
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211698

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| AB19-101093 | | 1.50 | <1 | <1 | <5 | 2 | 3 | 1 | 12.85 | <0.5 | | |
| AB19-101094 | | 0.07 | 4820 | 2030 | 1300 | 86 | 84 | 63 | 0.25 | 1.0 | | |
| AB19-101095 | | 2.24 | 1 | 1 | <5 | 261 | 292 | 60 | 5.11 | <0.5 | | |
| AB19-101096 | | 3.40 | 8 | 5 | <5 | 630 | 684 | 71 | 6.32 | 0.5 | | |
| AB19-101097 | | 3.41 | 4 | 1 | <5 | 350 | 353 | 57 | 5.75 | <0.5 | | |
| AB19-101098 | | 2.25 | 4 | 2 | <5 | 387 | 470 | 62 | 6.34 | <0.5 | | |
| AB19-101099 | | 2.26 | 4 | 2 | <5 | 436 | 524 | 73 | 7.06 | <0.5 | | |
| AB19-101100 | | 2.25 | 2 | 2 | <5 | 274 | 416 | 72 | 7.55 | <0.5 | | |
| AB19-101101 | | 2.33 | 5 | 1 | <5 | 360 | 431 | 57 | 5.94 | <0.5 | | |
| AB19-101102 | | 2.38 | 18 | 10 | 5 | 717 | 797 | 90 | 8.01 | <0.5 | | |
| AB19-101103 | | 2.11 | 4 | 2 | <5 | 392 | 477 | 68 | 6.90 | <0.5 | | |
| AB19-101104 | | 2.08 | 3 | 2 | <5 | 264 | 316 | 43 | 4.34 | <0.5 | | |
| AB19-101105 | | 2.18 | <1 | <1 | <5 | 69 | 130 | 23 | 2.32 | <0.5 | | |
| AB19-101106 | | 2.20 | 2 | 1 | <5 | 140 | 253 | 44 | 4.86 | <0.5 | | |
| AB19-101107 | | 2.18 | 4 | 2 | <5 | 297 | 426 | 72 | 7.93 | <0.5 | | |
| AB19-101108 | | 2.36 | 4 | 2 | <5 | 340 | 399 | 74 | 7.99 | <0.5 | | |
| AB19-101109 | | 2.18 | 2 | 1 | <5 | 240 | 380 | 76 | 8.18 | <0.5 | | |
| AB19-101110 | | 2.34 | 3 | 1 | <5 | 217 | 402 | 77 | 8.17 | <0.5 | | |
| AB19-101111 | | 2.41 | 1 | 2 | <5 | 159 | 368 | 66 | 7.45 | <0.5 | | |
| AB19-101112 | | 2.24 | 4 | 1 | <5 | 337 | 386 | 58 | 5.73 | <0.5 | | |
| AB19-101113 | | 0.07 | 71 | 631 | 323 | 4460 | 4370 | 110 | 4.01 | 2.0 | | |
| AB19-101114 | | 2.34 | 8 | 3 | <5 | 465 | 448 | 59 | 5.34 | <0.5 | | |
| AB19-101115 | | 2.43 | 7 | 4 | <5 | 435 | 484 | 66 | 6.39 | 0.5 | | |
| AB19-101116 | | 2.38 | 5 | 3 | <5 | 367 | 541 | 71 | 7.38 | <0.5 | | |
| AB19-101117 | | 2.24 | 13 | 4 | <5 | 898 | 834 | 77 | 6.09 | 0.6 | | |
| AB19-101118 | | 2.33 | 8 | 3 | <5 | 741 | 798 | 70 | 5.36 | 0.7 | | |
| AB19-101119 | | 2.52 | 3 | 2 | <5 | 381 | 525 | 58 | 5.63 | <0.5 | | |
| AB19-101120 | | 2.10 | 2 | 1 | <5 | 213 | 409 | 56 | 5.60 | <0.5 | | |
| AB19-101121 | | 2.27 | 12 | 4 | <5 | 413 | 529 | 63 | 6.12 | <0.5 | | |
| AB19-101122 | | 1.86 | 7 | 3 | <5 | 322 | 444 | 60 | 5.72 | <0.5 | | |
| AB19-101123 | | 2.02 | 12 | 5 | <5 | 517 | 630 | 84 | 7.79 | <0.5 | | |
| AB19-101124 | | 2.16 | 9 | 78 | 34 | 329 | 428 | 65 | 5.55 | <0.5 | | |
| AB19-101125 | | 2.60 | 3 | 3 | <5 | 194 | 330 | 60 | 6.50 | <0.5 | | |
| AB19-101126 | | 1.68 | <1 | 1 | <5 | 42 | 85 | 20 | 2.45 | <0.5 | | |
| AB19-101127 | | 1.94 | 2 | 1 | <5 | 5 | 40 | 10 | 1.18 | <0.5 | | |
| AB19-101128 | | 2.05 | 1 | 1 | <5 | 15 | 66 | 13 | 1.63 | <0.5 | | |
| AB19-101129 | | 2.09 | 1 | <1 | <5 | 8 | 38 | 11 | 1.16 | <0.5 | | |
| AB19-101130 | | 2.23 | 1 | <1 | <5 | 11 | 45 | 12 | 1.28 | <0.5 | | |
| AB19-101131 | | 2.20 | 1 | 1 | <5 | 30 | 54 | 13 | 1.42 | <0.5 | | |
| AB19-101132 | | 2.28 | 1 | 24 | 17 | 69 | 137 | 27 | 2.98 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211698

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101133 | | 1.87 | 1 | 1 | <5 | 1 | 2 | <1 | 13.15 | <0.5 | | |
| AB19-101134 | | 2.17 | 1 | 12 | 8 | 31 | 80 | 16 | 2.01 | <0.5 | | |
| AB19-101135 | | 3.16 | <1 | 3 | <5 | 28 | 60 | 13 | 1.33 | <0.5 | | |
| AB19-101136 | | 1.71 | 1 | 17 | 10 | 25 | 195 | 31 | 3.75 | <0.5 | | |
| AB19-101137 | | 2.44 | 1 | 1 | <5 | 40 | 43 | 9 | 0.92 | <0.5 | | |
| AB19-101138 | | 2.50 | 1 | 5 | 7 | 13 | 159 | 29 | 3.91 | <0.5 | | |
| AB19-101139 | | 2.16 | <1 | <1 | <5 | 6 | 77 | 18 | 2.16 | <0.5 | | |
| AB19-101140 | | 2.28 | 1 | 1 | <5 | 10 | 89 | 18 | 2.16 | <0.5 | | |
| AB19-101141 | | 2.08 | 1 | 1 | <5 | 11 | 88 | 17 | 2.09 | <0.5 | | |
| AB19-101142 | | 2.12 | <1 | 1 | <5 | 6 | 87 | 15 | 1.94 | <0.5 | | |
| AB19-101143 | | 2.16 | 1 | 1 | <5 | 5 | 81 | 15 | 1.80 | <0.5 | | |
| AB19-101144 | | 2.17 | <1 | 3 | <5 | 10 | 101 | 18 | 2.23 | <0.5 | | |
| AB19-101145 | | 2.12 | 1 | 2 | <5 | 13 | 65 | 15 | 1.64 | <0.5 | | |
| AB19-101146 | | 2.24 | 4 | 5 | 13 | 29 | 165 | 26 | 2.92 | <0.5 | | |
| AB19-101147 | | 2.04 | 1 | 5 | <5 | 11 | 70 | 14 | 1.61 | <0.5 | | |
| AB19-101148 | | 2.07 | 2 | 2 | <5 | 24 | 49 | 14 | 1.32 | <0.5 | | |
| AB19-101149 | | 2.03 | 1 | 1 | <5 | 19 | 58 | 14 | 1.50 | <0.5 | | |
| AB19-101150 | | 2.07 | 2 | <1 | <5 | 7 | 75 | 15 | 1.87 | <0.5 | | |
| AB19-101151 | | 2.10 | <1 | 3 | <5 | 36 | 93 | 25 | 2.89 | <0.5 | | |
| AB19-101152 | | 2.09 | <1 | <1 | <5 | 7 | 78 | 14 | 1.78 | <0.5 | | |
| AB19-101153 | | 0.12 | 260 | 3500 | 834 | >10000 | >10000 | 959 | 4.06 | 4.5 | 15600 | 43900 |
| AB19-101154 | | 2.21 | <1 | 3 | <5 | 44 | 142 | 21 | 2.19 | <0.5 | | |
| AB19-101155 | | 2.04 | <1 | <1 | <5 | 11 | 60 | 13 | 1.48 | <0.5 | | |
| AB19-101156 | | 2.01 | <1 | 1 | <5 | 7 | 50 | 10 | 1.25 | <0.5 | | |
| AB19-101157 | | 1.99 | <1 | <1 | <5 | 3 | 49 | 11 | 1.29 | <0.5 | | |
| AB19-101158 | | 2.02 | 1 | 1 | <5 | 11 | 154 | 27 | 3.64 | <0.5 | | |
| AB19-101159 | | 2.21 | <1 | 1 | <5 | 15 | 151 | 28 | 3.74 | <0.5 | | |
| AB19-101160 | | 1.98 | 1 | 1 | <5 | 7 | 99 | 19 | 2.28 | <0.5 | | |
| AB19-101161 | | 2.00 | 1 | 1 | <5 | 35 | 129 | 25 | 3.13 | <0.5 | | |
| AB19-101162 | | 2.13 | 1 | 2 | <5 | 13 | 147 | 26 | 3.46 | <0.5 | | |
| AB19-101163 | | 2.03 | 1 | 1 | <5 | 22 | 116 | 22 | 2.24 | <0.5 | | |
| AB19-101164 | | 2.21 | <1 | 1 | <5 | 39 | 120 | 29 | 3.47 | <0.5 | | |
| AB19-101165 | | 2.16 | <1 | 1 | <5 | 37 | 107 | 25 | 3.03 | <0.5 | | |
| AB19-101166 | | 2.09 | <1 | 1 | <5 | 72 | 94 | 25 | 2.52 | <0.5 | | |
| AB19-101167 | | 2.12 | <1 | <1 | <5 | 26 | 120 | 29 | 3.01 | <0.5 | | |
| AB19-101168 | | 2.19 | <1 | 2 | <5 | 49 | 101 | 25 | 3.03 | <0.5 | | |
| AB19-101169 | | 2.20 | <1 | 2 | <5 | 10 | 149 | 31 | 4.27 | <0.5 | | |
| AB19-101170 | | 0.07 | 106 | 590 | 285 | 4500 | 4420 | 110 | 4.05 | 2.1 | | |

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

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211698

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-SEP-2019**
**Account: MZI**

# CERTIFICATE TB19211700

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

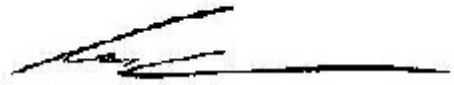
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211700

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101171 | | 1.51 | <1 | <1 | <5 | 1 | 2 | 1 | 13.90 | <0.5 | | |
| AB19-101172 | | 0.07 | 4380 | 2040 | 1300 | 85 | 84 | 63 | 0.26 | 0.9 | | |
| AB19-101173 | | 2.17 | <1 | 2 | <5 | 18 | 155 | 32 | 4.12 | <0.5 | | |
| AB19-101174 | | 2.12 | <1 | 2 | <5 | 35 | 110 | 32 | 3.93 | <0.5 | | |
| AB19-101175 | | 1.50 | <1 | 1 | <5 | 61 | 104 | 30 | 3.29 | <0.5 | | |
| AB19-101176 | | 2.71 | <1 | <1 | <5 | 6 | 4 | 2 | 0.09 | <0.5 | | |
| AB19-101177 | | 2.18 | <1 | 1 | <5 | 3 | 5 | 1 | 0.12 | <0.5 | | |
| AB19-101178 | | 2.31 | <1 | 1 | <5 | 42 | 120 | 29 | 2.84 | <0.5 | | |
| AB19-101179 | | 2.17 | <1 | 1 | <5 | 61 | 121 | 32 | 3.28 | <0.5 | | |
| AB19-101180 | | 2.24 | <1 | 1 | <5 | 59 | 122 | 32 | 3.05 | <0.5 | | |
| AB19-101181 | | 2.25 | <1 | 1 | <5 | 54 | 154 | 39 | 3.64 | <0.5 | | |
| AB19-101182 | | 1.36 | <1 | 2 | <5 | 37 | 124 | 34 | 3.67 | <0.5 | | |
| AB19-101183 | | 1.18 | <1 | 1 | <5 | 11 | 19 | 5 | 0.50 | <0.5 | | |
| AB19-101184 | | 1.77 | <1 | 1 | <5 | 38 | 107 | 28 | 2.54 | <0.5 | | |
| AB19-101185 | | 2.23 | <1 | 1 | <5 | 35 | 114 | 35 | 2.71 | <0.5 | | |
| AB19-101186 | | 2.28 | <1 | 1 | <5 | 50 | 123 | 34 | 2.96 | <0.5 | | |
| AB19-101187 | | 2.41 | <1 | <1 | <5 | 40 | 95 | 28 | 2.35 | <0.5 | | |
| AB19-101188 | | 2.17 | <1 | 1 | <5 | 74 | 151 | 40 | 3.42 | <0.5 | | |
| AB19-101189 | | 2.37 | <1 | <1 | <5 | 56 | 113 | 33 | 2.87 | <0.5 | | |
| AB19-101190 | | 2.44 | 1 | 1 | <5 | 50 | 85 | 25 | 2.26 | <0.5 | | |
| AB19-101191 | | 0.07 | 81 | 608 | 287 | 4600 | 4510 | 119 | 4.04 | 2.1 | | |
| AB19-101192 | | 2.29 | <1 | <1 | <5 | 63 | 93 | 28 | 2.39 | <0.5 | | |
| AB19-101193 | | 2.10 | <1 | 1 | <5 | 52 | 132 | 39 | 3.54 | <0.5 | | |
| AB19-101194 | | 2.18 | <1 | 1 | <5 | 46 | 132 | 39 | 3.51 | <0.5 | | |
| AB19-101195 | | 2.31 | <1 | 1 | <5 | 30 | 104 | 32 | 2.77 | <0.5 | | |
| AB19-101196 | | 2.18 | <1 | 1 | <5 | 38 | 92 | 26 | 2.57 | <0.5 | | |
| AB19-101197 | | 2.41 | <1 | <1 | <5 | 36 | 118 | 33 | 3.41 | <0.5 | | |
| AB19-101198 | | 2.26 | <1 | <1 | <5 | 43 | 85 | 27 | 2.40 | <0.5 | | |
| AB19-101199 | | 2.50 | <1 | 1 | <5 | 62 | 103 | 31 | 2.91 | <0.5 | | |
| AB19-101200 | | 2.44 | <1 | 1 | <5 | 57 | 132 | 40 | 3.63 | <0.5 | | |
| AB19-101201 | | 2.35 | <1 | 1 | <5 | 64 | 57 | 21 | 1.77 | <0.5 | | |
| AB19-101202 | | 2.41 | <1 | 1 | <5 | 47 | 68 | 22 | 1.89 | <0.5 | | |
| AB19-101203 | | 2.13 | <1 | 1 | <5 | 41 | 71 | 23 | 2.11 | <0.5 | | |
| AB19-101204 | | 2.29 | <1 | 1 | <5 | 32 | 76 | 25 | 2.46 | <0.5 | | |
| AB19-101205 | | 2.27 | <1 | 1 | <5 | 27 | 72 | 25 | 2.22 | <0.5 | | |
| AB19-101206 | | 2.24 | <1 | 1 | <5 | 36 | 92 | 31 | 3.98 | <0.5 | | |
| AB19-101207 | | 2.29 | <1 | 1 | <5 | 62 | 71 | 26 | 2.51 | <0.5 | | |
| AB19-101208 | | 2.35 | <1 | 1 | <5 | 24 | 88 | 25 | 2.22 | <0.5 | | |
| AB19-101209 | | 2.37 | <1 | 1 | <5 | 60 | 79 | 25 | 2.08 | <0.5 | | |
| AB19-101210 | | 2.23 | <1 | 1 | <5 | 48 | 59 | 20 | 1.61 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211700

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101211 | | 1.67 | <1 | 1 | <5 | 1 | 2 | 1 | 13.35 | <0.5 | | |
| AB19-101212 | | 2.22 | <1 | 1 | <5 | 34 | 61 | 21 | 1.68 | <0.5 | | |
| AB19-101213 | | 2.22 | <1 | 1 | <5 | 53 | 78 | 25 | 1.97 | <0.5 | | |
| AB19-101214 | | 2.40 | <1 | 1 | <5 | 74 | 81 | 27 | 2.03 | <0.5 | | |
| AB19-101215 | | 2.20 | <1 | <1 | <5 | 41 | 73 | 24 | 1.94 | <0.5 | | |
| AB19-101216 | | 2.23 | <1 | <1 | <5 | 53 | 80 | 26 | 2.09 | <0.5 | | |
| AB19-101217 | | 2.11 | <1 | 1 | <5 | 39 | 65 | 23 | 1.94 | <0.5 | | |
| AB19-101218 | | 2.11 | <1 | <1 | <5 | 57 | 76 | 25 | 1.91 | <0.5 | | |
| AB19-101219 | | 2.34 | <1 | 1 | <5 | 36 | 74 | 23 | 1.91 | <0.5 | | |
| AB19-101220 | | 2.16 | <1 | <1 | <5 | 31 | 63 | 20 | 1.72 | <0.5 | | |
| AB19-101221 | | 2.24 | <1 | 1 | <5 | 45 | 71 | 21 | 1.70 | <0.5 | | |
| AB19-101222 | | 2.29 | <1 | <1 | <5 | 25 | 52 | 19 | 1.63 | <0.5 | | |
| AB19-101223 | | 2.15 | <1 | 1 | <5 | 26 | 63 | 21 | 1.68 | <0.5 | | |
| AB19-101224 | | 2.36 | <1 | 1 | <5 | 44 | 73 | 23 | 1.78 | <0.5 | | |
| AB19-101225 | | 2.24 | <1 | <1 | <5 | 39 | 65 | 21 | 1.65 | <0.5 | | |
| AB19-101226 | | 2.18 | <1 | 1 | <5 | 37 | 69 | 24 | 1.89 | <0.5 | | |
| AB19-101227 | | 2.23 | <1 | 1 | <5 | 28 | 75 | 26 | 2.39 | <0.5 | | |
| AB19-101228 | | 2.03 | <1 | 1 | <5 | 9 | 31 | 13 | 1.14 | <0.5 | | |
| AB19-101229 | | 2.13 | <1 | <1 | <5 | 42 | 75 | 25 | 2.04 | <0.5 | | |
| AB19-101230 | | 2.07 | <1 | 1 | <5 | 48 | 83 | 28 | 2.26 | <0.5 | | |
| AB19-101231 | | 0.12 | 277 | 3500 | 823 | >10000 | >10000 | 988 | 4.01 | 4.2 | 16400 | 46800 |
| AB19-101232 | | 2.17 | <1 | 2 | <5 | 60 | 106 | 31 | 3.36 | <0.5 | | |
| AB19-101233 | | 2.19 | <1 | 1 | <5 | 53 | 132 | 35 | 4.32 | <0.5 | | |
| AB19-101234 | | 2.29 | <1 | 1 | <5 | 36 | 101 | 36 | 4.27 | <0.5 | | |
| AB19-101235 | | 2.40 | <1 | 1 | <5 | 81 | 82 | 35 | 3.85 | <0.5 | | |
| AB19-101236 | | 2.35 | <1 | 2 | <5 | 54 | 97 | 39 | 4.60 | <0.5 | | |
| AB19-101237 | | 2.21 | <1 | 1 | <5 | 39 | 118 | 33 | 3.76 | <0.5 | | |
| AB19-101238 | | 2.30 | <1 | 1 | <5 | 30 | 69 | 26 | 2.18 | <0.5 | | |
| AB19-101239 | | 2.21 | <1 | 1 | <5 | 41 | 90 | 31 | 2.34 | <0.5 | | |
| AB19-101240 | | 2.26 | <1 | <1 | <5 | 14 | 67 | 20 | 1.75 | <0.5 | | |
| AB19-101241 | | 2.38 | <1 | <1 | <5 | 35 | 78 | 25 | 1.96 | <0.5 | | |
| AB19-101242 | | 2.23 | <1 | 1 | <5 | 36 | 66 | 23 | 2.00 | <0.5 | | |
| AB19-101243 | | 2.46 | <1 | 1 | <5 | 35 | 82 | 27 | 2.19 | <0.5 | | |
| AB19-101244 | | 2.41 | <1 | 1 | <5 | 26 | 69 | 25 | 2.20 | <0.5 | | |
| AB19-101245 | | 2.33 | <1 | 1 | <5 | 32 | 73 | 26 | 2.05 | <0.5 | | |
| AB19-101246 | | 2.31 | 1 | 1 | <5 | 37 | 102 | 31 | 2.76 | <0.5 | | |
| AB19-101247 | | 2.31 | <1 | 1 | <5 | 53 | 114 | 32 | 3.47 | <0.5 | | |
| AB19-101248 | | 0.07 | 85 | 591 | 308 | 4620 | 4370 | 118 | 3.99 | 2.1 | | |

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

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211700

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

ALS Canada Ltd.

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 10-SEP-2019**
**Account: MZI**

# CERTIFICATE TB19211701

Project: 18-101

P.O. No.: 182449

This report is for 56 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 10-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211701

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101249 | | 1.95 | <1 | 1 | <5 | 1 | 2 | 1 | 13.35 | <0.5 |
| AB19-101250 | | 0.07 | 4940 | 2050 | 1320 | 85 | 84 | 62 | 0.26 | 0.9 |
| AB19-101251 | | 2.28 | <1 | 1 | <5 | 28 | 96 | 25 | 2.73 | <0.5 |
| AB19-101252 | | 2.28 | <1 | 1 | <5 | 52 | 131 | 30 | 3.49 | <0.5 |
| AB19-101253 | | 2.21 | <1 | 1 | <5 | 51 | 172 | 36 | 4.85 | <0.5 |
| AB19-101254 | | 2.28 | <1 | 1 | <5 | 54 | 102 | 28 | 3.00 | <0.5 |
| AB19-101255 | | 2.04 | <1 | 1 | <5 | 11 | 81 | 24 | 2.13 | <0.5 |
| AB19-101256 | | 2.07 | <1 | 1 | <5 | 22 | 62 | 22 | 1.73 | <0.5 |
| AB19-101257 | | 2.18 | <1 | <1 | <5 | 36 | 92 | 27 | 2.28 | <0.5 |
| AB19-101258 | | 2.02 | <1 | 1 | <5 | 27 | 86 | 25 | 2.21 | <0.5 |
| AB19-101259 | | 2.12 | <1 | 1 | <5 | 26 | 89 | 28 | 2.23 | <0.5 |
| AB19-101260 | | 2.27 | <1 | 2 | <5 | 30 | 88 | 26 | 2.34 | <0.5 |
| AB19-101261 | | 2.29 | <1 | 1 | <5 | 46 | 90 | 31 | 3.27 | <0.5 |
| AB19-101262 | | 2.23 | <1 | 1 | <5 | 26 | 107 | 28 | 2.74 | <0.5 |
| AB19-101263 | | 2.23 | <1 | 2 | <5 | 42 | 177 | 33 | 4.56 | <0.5 |
| AB19-101264 | | 2.32 | <1 | 1 | <5 | 18 | 96 | 26 | 2.71 | <0.5 |
| AB19-101265 | | 2.18 | <1 | 1 | <5 | 27 | 76 | 23 | 2.06 | <0.5 |
| AB19-101266 | | 1.92 | <1 | 1 | <5 | 33 | 89 | 26 | 2.26 | 0.6 |
| AB19-101267 | | 2.35 | <1 | 1 | <5 | 36 | 95 | 29 | 2.42 | <0.5 |
| AB19-101268 | | 2.22 | <1 | <1 | <5 | 20 | 91 | 25 | 2.30 | <0.5 |
| AB19-101269 | | 0.07 | 82 | 610 | 304 | 4560 | 4470 | 113 | 4.08 | 2.1 |
| AB19-101270 | | 2.32 | <1 | 1 | <5 | 22 | 93 | 26 | 2.36 | <0.5 |
| AB19-101271 | | 2.47 | <1 | 1 | <5 | 39 | 78 | 24 | 2.15 | <0.5 |
| AB19-101272 | | 2.23 | <1 | <1 | <5 | 33 | 94 | 28 | 2.38 | <0.5 |
| AB19-101273 | | 2.46 | <1 | 1 | <5 | 45 | 95 | 28 | 2.39 | <0.5 |
| AB19-101274 | | 2.41 | <1 | <1 | <5 | 45 | 84 | 26 | 2.21 | <0.5 |
| AB19-101275 | | 2.37 | <1 | <1 | <5 | 55 | 96 | 29 | 2.41 | <0.5 |
| AB19-101276 | | 2.36 | <1 | 1 | <5 | 47 | 108 | 34 | 2.94 | <0.5 |
| AB19-101277 | | 2.61 | <1 | 1 | <5 | 63 | 69 | 23 | 1.82 | <0.5 |
| AB19-101278 | | 2.15 | <1 | <1 | <5 | 41 | 81 | 27 | 2.29 | <0.5 |
| AB19-101279 | | 2.30 | <1 | 1 | <5 | 51 | 88 | 29 | 2.49 | <0.5 |
| AB19-101280 | | 2.29 | <1 | 1 | <5 | 50 | 84 | 29 | 2.30 | <0.5 |
| AB19-101281 | | 2.42 | <1 | <1 | <5 | 41 | 84 | 27 | 2.18 | <0.5 |
| AB19-101282 | | 2.45 | <1 | 1 | <5 | 53 | 72 | 24 | 1.96 | <0.5 |
| AB19-101283 | | 2.40 | <1 | 1 | <5 | 46 | 79 | 27 | 2.12 | <0.5 |
| AB19-101284 | | 2.01 | <1 | 1 | <5 | 32 | 66 | 23 | 1.83 | <0.5 |
| AB19-101285 | | 2.21 | <1 | 1 | <5 | 47 | 96 | 31 | 2.60 | <0.5 |
| AB19-101286 | | 2.35 | <1 | 1 | <5 | 38 | 93 | 29 | 2.55 | <0.5 |
| AB19-101287 | | 2.33 | <1 | 1 | <5 | 58 | 93 | 31 | 2.51 | <0.5 |
| AB19-101288 | | 2.08 | <1 | 1 | <5 | 49 | 70 | 23 | 1.85 | <0.5 |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 10-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211701

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 |
|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101289 | | 1.55 | <1 | 1 | <5 | <1 | 1 | <1 | 13.00 | <0.5 |
| AB19-101290 | | 2.33 | <1 | 1 | <5 | 49 | 63 | 22 | 1.81 | <0.5 |
| AB19-101291 | | 2.31 | <1 | 1 | <5 | 32 | 64 | 22 | 1.79 | <0.5 |
| AB19-101292 | | 2.25 | <1 | 1 | <5 | 51 | 76 | 27 | 2.20 | <0.5 |
| AB19-101293 | | 2.15 | <1 | 1 | <5 | 47 | 75 | 27 | 2.15 | <0.5 |
| AB19-101294 | | 2.30 | <1 | 1 | <5 | 56 | 93 | 31 | 2.48 | <0.5 |
| AB19-101295 | | 2.08 | <1 | 1 | <5 | 60 | 83 | 28 | 2.37 | <0.5 |
| AB19-101296 | | 2.07 | <1 | 1 | <5 | 52 | 68 | 24 | 1.92 | 0.6 |
| AB19-101297 | | 2.06 | <1 | 1 | <5 | 43 | 67 | 23 | 1.80 | <0.5 |
| AB19-101298 | | 2.10 | <1 | 1 | <5 | 41 | 68 | 24 | 1.79 | <0.5 |
| AB19-101299 | | 2.20 | <1 | <1 | <5 | 36 | 64 | 22 | 1.70 | <0.5 |
| AB19-101300 | | 2.20 | <1 | 1 | <5 | 47 | 64 | 23 | 1.72 | <0.5 |
| AB19-101301 | | 2.17 | <1 | 1 | <5 | 46 | 66 | 23 | 1.74 | <0.5 |
| AB19-101302 | | 2.29 | <1 | 1 | <5 | 38 | 62 | 22 | 1.63 | <0.5 |
| AB19-101303 | | 2.39 | <1 | <1 | <5 | 21 | 59 | 21 | 1.61 | <0.5 |
| AB19-101304 | | 2.31 | <1 | <1 | <5 | 42 | 65 | 23 | 1.74 | <0.5 |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 10-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211701

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | |
|---|---|---|
| | ME-ICP61 | PGM-ICP23 |

ALS Canada Ltd.

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-SEP-2019**
**Account: MZI**

# CERTIFICATE TB19211707

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-AUG-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

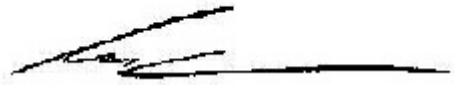
| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211707

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| AB19-101015 | | 1.24 | <1 | <1 | <5 | 1 | 4 | <1 | 14.10 | <0.5 | | |
| AB19-101016 | | 0.07 | 4350 | 1970 | 1280 | 87 | 85 | 63 | 0.25 | 0.8 | | |
| AB19-101017 | | 2.77 | 1 | 3 | <5 | 165 | 281 | 68 | 5.70 | <0.5 | | |
| AB19-101018 | | 2.78 | <1 | 1 | <5 | 165 | 345 | 63 | 6.12 | <0.5 | | |
| AB19-101019 | | 2.35 | <1 | <1 | <5 | 77 | 308 | 53 | 6.49 | <0.5 | | |
| AB19-101020 | | 2.73 | <1 | <1 | <5 | 59 | 272 | 47 | 5.73 | <0.5 | | |
| AB19-101021 | | 2.85 | <1 | <1 | <5 | 59 | 287 | 48 | 6.03 | <0.5 | | |
| AB19-101022 | | 2.34 | <1 | <1 | <5 | 58 | 302 | 50 | 6.60 | <0.5 | | |
| AB19-101023 | | 2.69 | <1 | <1 | <5 | 54 | 315 | 52 | 6.37 | <0.5 | | |
| AB19-101024 | | 2.77 | 1 | 1 | <5 | 97 | 276 | 48 | 5.46 | <0.5 | | |
| AB19-101025 | | 2.74 | <1 | 1 | <5 | 98 | 352 | 52 | 5.96 | <0.5 | | |
| AB19-101026 | | 2.42 | <1 | <1 | <5 | 56 | 193 | 31 | 3.99 | <0.5 | | |
| AB19-101027 | | 2.55 | <1 | <1 | <5 | 45 | 265 | 43 | 5.00 | <0.5 | | |
| AB19-101028 | | 2.71 | 1 | <1 | <5 | 62 | 268 | 46 | 5.33 | <0.5 | | |
| AB19-101029 | | 2.49 | <1 | <1 | <5 | 65 | 244 | 40 | 4.85 | <0.5 | | |
| AB19-101030 | | 2.60 | <1 | <1 | <5 | 77 | 262 | 44 | 5.21 | <0.5 | | |
| AB19-101031 | | 2.91 | <1 | <1 | <5 | 74 | 252 | 40 | 4.91 | <0.5 | | |
| AB19-101032 | | 2.65 | <1 | <1 | <5 | 89 | 282 | 45 | 5.43 | <0.5 | | |
| AB19-101033 | | 2.62 | <1 | <1 | <5 | 73 | 267 | 44 | 5.38 | <0.5 | | |
| AB19-101034 | | 2.74 | <1 | <1 | <5 | 58 | 277 | 44 | 5.51 | <0.5 | | |
| AB19-101035 | | 0.07 | 65 | 586 | 317 | 4530 | 4430 | 116 | 3.95 | 1.9 | | |
| AB19-101036 | | 2.69 | <1 | <1 | <5 | 56 | 278 | 42 | 5.07 | <0.5 | | |
| AB19-101037 | | 2.43 | <1 | <1 | <5 | 78 | 261 | 44 | 4.86 | <0.5 | | |
| AB19-101038 | | 2.12 | <1 | <1 | <5 | 81 | 244 | 41 | 4.99 | <0.5 | | |
| AB19-101039 | | 2.37 | <1 | <1 | <5 | 65 | 262 | 44 | 5.00 | <0.5 | | |
| AB19-101040 | | 2.47 | <1 | <1 | <5 | 87 | 245 | 41 | 4.94 | <0.5 | | |
| AB19-101041 | | 2.50 | <1 | <1 | <5 | 113 | 282 | 44 | 5.27 | <0.5 | | |
| AB19-101042 | | 2.47 | 1 | <1 | <5 | 120 | 275 | 39 | 4.85 | <0.5 | | |
| AB19-101043 | | 3.09 | 1 | <1 | <5 | 140 | 312 | 42 | 4.94 | <0.5 | | |
| AB19-101044 | | 1.49 | <1 | <1 | <5 | 104 | 171 | 32 | 3.11 | <0.5 | | |
| AB19-101045 | | 2.33 | 1 | 1 | <5 | 224 | 167 | 30 | 1.93 | <0.5 | | |
| AB19-101046 | | 2.63 | 1 | 1 | <5 | 91 | 292 | 37 | 4.50 | <0.5 | | |
| AB19-101047 | | 2.54 | <1 | <1 | <5 | 43 | 255 | 37 | 4.55 | <0.5 | | |
| AB19-101048 | | 1.66 | <1 | <1 | <5 | 67 | 249 | 45 | 4.89 | <0.5 | | |
| AB19-101049 | | 2.06 | <1 | <1 | <5 | 60 | 244 | 42 | 4.86 | <0.5 | | |
| AB19-101050 | | 2.64 | 5 | 9 | <5 | 397 | 632 | 54 | 5.31 | <0.5 | | |
| AB19-101051 | | 2.31 | 11 | 27 | 9 | 630 | 911 | 89 | 9.04 | <0.5 | | |
| AB19-101052 | | 2.21 | 16 | 49 | 14 | 839 | 1065 | 65 | 6.12 | <0.5 | | |
| AB19-101053 | | 2.76 | 12 | 30 | 12 | 713 | 919 | 80 | 7.86 | <0.5 | | |
| AB19-101054 | | 2.55 | 10 | 26 | 8 | 651 | 910 | 92 | 8.30 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**



Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211707

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AB19-101055 | | 1.45 | <1 | <1 | <5 | 4 | 3 | 2 | 13.35 | <0.5 | | |
| AB19-101056 | | 2.08 | 12 | 31 | 10 | 654 | 940 | 79 | 6.97 | <0.5 | | |
| AB19-101057 | | 2.50 | 22 | 50 | 19 | 1060 | 1135 | 69 | 4.84 | 0.6 | | |
| AB19-101058 | | 2.40 | 24 | 60 | 20 | 1210 | 1425 | 80 | 5.75 | 0.6 | | |
| AB19-101059 | | 1.27 | 27 | 50 | 17 | 1465 | 1900 | 88 | 7.47 | 0.7 | | |
| AB19-101060 | | 2.26 | 19 | 35 | 12 | 972 | 1160 | 74 | 6.31 | 0.7 | | |
| AB19-101061 | | 2.35 | 24 | 30 | 9 | 912 | 1185 | 75 | 6.60 | 0.5 | | |
| AB19-101062 | | 0.84 | 17 | 32 | 12 | 882 | 1075 | 68 | 6.24 | 0.5 | | |
| AB19-101063 | | 2.61 | 23 | 45 | 21 | 1390 | 1700 | 77 | 5.47 | 0.7 | | |
| AB19-101064 | | 1.58 | 35 | 30 | 11 | 1645 | 1875 | 89 | 7.13 | 0.9 | | |
| AB19-101065 | | 2.12 | 14 | 17 | 10 | 782 | 973 | 69 | 7.23 | 0.5 | | |
| AB19-101066 | | 2.99 | 34 | 46 | 14 | 1435 | 1680 | 87 | 7.62 | 0.8 | | |
| AB19-101067 | | 2.33 | 28 | 51 | 14 | 1510 | 1865 | 91 | 7.73 | 0.6 | | |
| AB19-101068 | | 2.24 | 47 | 59 | 18 | 2060 | 2320 | 101 | 7.73 | 1.0 | | |
| AB19-101069 | | 2.16 | 35 | 49 | 18 | 1515 | 1865 | 84 | 6.54 | 0.6 | | |
| AB19-101070 | | 2.26 | 31 | 50 | 16 | 1560 | 1755 | 76 | 5.37 | 0.9 | | |
| AB19-101071 | | 2.22 | 25 | 39 | 16 | 1215 | 1490 | 76 | 6.54 | <0.5 | | |
| AB19-101072 | | 2.35 | 31 | 71 | 21 | 1180 | 1980 | 87 | 6.95 | 0.5 | | |
| AB19-101073 | | 2.17 | 43 | 65 | 22 | 1860 | 2340 | 100 | 7.91 | 0.8 | | |
| AB19-101074 | | 2.35 | 33 | 56 | 15 | 1780 | 2150 | 96 | 7.80 | 0.9 | | |
| AB19-101075 | | 0.12 | 226 | 3360 | 790 | >10000 | >10000 | 958 | 3.90 | 4.2 | 15700 | 44900 |
| AB19-101076 | | 2.20 | 17 | 28 | 10 | 979 | 1360 | 81 | 8.45 | 0.6 | | |
| AB19-101077 | | 1.07 | 19 | 30 | 10 | 1025 | 1355 | 79 | 7.65 | 0.6 | | |
| AB19-101078 | | 2.31 | 9 | 17 | 7 | 457 | 947 | 68 | 7.50 | <0.5 | | |
| AB19-101079 | | 2.28 | 3 | 6 | <5 | 232 | 579 | 62 | 7.38 | <0.5 | | |
| AB19-101080 | | 2.26 | 13 | 16 | 6 | 502 | 789 | 70 | 7.40 | <0.5 | | |
| AB19-101081 | | 2.29 | 3 | 3 | <5 | 269 | 437 | 69 | 7.51 | <0.5 | | |
| AB19-101082 | | 2.48 | 5 | 1 | <5 | 403 | 445 | 64 | 6.68 | <0.5 | | |
| AB19-101083 | | 2.24 | 4 | 3 | <5 | 456 | 527 | 70 | 7.16 | <0.5 | | |
| AB19-101084 | | 2.32 | 6 | 3 | <5 | 499 | 569 | 76 | 7.81 | <0.5 | | |
| AB19-101085 | | 2.42 | 2 | 2 | <5 | 207 | 313 | 45 | 4.73 | <0.5 | | |
| AB19-101086 | | 2.23 | 1 | 1 | <5 | 208 | 326 | 50 | 5.22 | <0.5 | | |
| AB19-101087 | | 2.30 | 6 | 1 | <5 | 261 | 327 | 55 | 5.81 | <0.5 | | |
| AB19-101088 | | 2.26 | 5 | 2 | <5 | 355 | 436 | 71 | 7.09 | <0.5 | | |
| AB19-101089 | | 2.33 | 12 | 9 | 6 | 1085 | 980 | 95 | 7.83 | 0.8 | | |
| AB19-101090 | | 1.81 | 11 | 6 | <5 | 879 | 804 | 82 | 6.38 | 0.6 | | |
| AB19-101091 | | 1.69 | 1 | 1 | <5 | 262 | 285 | 59 | 4.84 | <0.5 | | |
| AB19-101092 | | 0.07 | 82 | 586 | 285 | 4520 | 4380 | 116 | 3.92 | 2.0 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-SEP-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19211707

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-SEP-2019**
**This copy reported on 1-OCT-2019**
**Account: MZI**

# CERTIFICATE TB19234003

Project: MZI_TB19211698

This report is for 7 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:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | |
|---|---|---|
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| ME-ICP61 | 33 element four acid ICP-AES | ICP-AES |
| ME-OG62 | Ore Grade Elements - Four Acid | 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: **Re-analysis results for samples originally reported on certificate TB19211698**

**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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-SEP-2019**
**Account: MZI**

Project: MZI_TB19211698

# CERTIFICATE OF ANALYSIS TB19234003

| Sample Description | Method | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| AB19-101150 | | 11 | 76 | 15 | 1.84 | <0.5 | | |
| AB19-101151 | | 36 | 89 | 25 | 2.75 | <0.5 | | |
| AB19-101152 | | 7 | 74 | 15 | 1.67 | <0.5 | | |
| AB19-101153 | | >10000 | >10000 | 915 | 3.78 | 4.2 | 16050 | 46100 |
| AB19-101154 | | 36 | 115 | 20 | 2.04 | <0.5 | | |
| AB19-101155 | | 10 | 56 | 13 | 1.39 | <0.5 | | |
| AB19-101156 | | 8 | 50 | 11 | 1.16 | <0.5 | | |

Comments: **Re-analysis results for samples originally reported on certificate TB19211698**

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 30-SEP-2019**
**Account: MZI**

Project: MZI_TB19211698

# CERTIFICATE OF ANALYSIS TB19234003

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | |
|---|---|---|---|
| Cu-OG62 | FND-02 | ME-ICP61 | ME-OG62 |
| Ni-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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 26-NOV-2019**
**Account: MZI**

# CERTIFICATE TB19284841

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 11-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 26-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19284841

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104681 | | 1.37 | <1 | 2 | <5 | 1 | 3 | <1 | 11.85 | <0.5 | | |
| KK19-104682 | | 0.07 | 4760 | 2060 | 1345 | 83 | 82 | 61 | 0.25 | 0.9 | | |
| KK19-104683 | | 2.06 | 52 | 655 | 95 | 825 | 921 | 58 | 5.58 | <0.5 | | |
| KK19-104684 | | 2.53 | 91 | 1370 | 222 | 1205 | 1355 | 67 | 5.60 | 1.5 | | |
| KK19-104685 | | 1.90 | 28 | 1065 | 149 | 535 | 771 | 48 | 4.63 | 0.5 | | |
| KK19-104686 | | 2.01 | 1 | 259 | 83 | 23 | 317 | 35 | 4.29 | <0.5 | | |
| KK19-104687 | | 2.07 | 4 | 301 | 82 | 59 | 280 | 34 | 4.07 | <0.5 | | |
| KK19-104688 | | 2.18 | 14 | 408 | 99 | 118 | 290 | 32 | 3.84 | <0.5 | | |
| KK19-104689 | | 2.23 | 131 | 1345 | 163 | 885 | 987 | 51 | 4.08 | 0.8 | | |
| KK19-104690 | | 2.18 | 85 | 1315 | 194 | 938 | 1080 | 62 | 5.57 | 0.6 | | |
| KK19-104691 | | 2.31 | 27 | 474 | 66 | 419 | 755 | 72 | 7.78 | <0.5 | | |
| KK19-104692 | | 2.22 | 123 | 1205 | 128 | 1030 | 1080 | 69 | 6.09 | 0.5 | | |
| KK19-104693 | | 2.45 | 69 | 458 | 75 | 631 | 711 | 67 | 6.80 | <0.5 | | |
| KK19-104694 | | 2.37 | 194 | 1690 | 179 | 1740 | 1590 | 82 | 6.40 | 0.9 | | |
| KK19-104695 | | 2.33 | 59 | 912 | 153 | 919 | 893 | 60 | 5.89 | 0.6 | | |
| KK19-104696 | | 2.31 | 60 | 809 | 106 | 814 | 915 | 63 | 6.15 | 0.5 | | |
| KK19-104697 | | 2.21 | 51 | 512 | 87 | 747 | 727 | 57 | 6.15 | <0.5 | | |
| KK19-104698 | | 2.27 | 55 | 1095 | 175 | 716 | 1050 | 70 | 7.18 | <0.5 | | |
| KK19-104699 | | 1.47 | 76 | 645 | 99 | 809 | 990 | 71 | 6.91 | 0.5 | | |
| KK19-104700 | | 3.02 | 22 | 168 | 31 | 276 | 404 | 51 | 6.00 | <0.5 | | |
| KK19-104701 | | 0.07 | 150 | 607 | 309 | 4540 | 4320 | 109 | 3.98 | 2.1 | | |
| KK19-104702 | | 2.31 | 34 | 657 | 77 | 417 | 542 | 60 | 6.03 | <0.5 | | |
| KK19-104703 | | 2.32 | 7 | 18 | 7 | 160 | 289 | 46 | 5.28 | <0.5 | | |
| KK19-104704 | | 2.18 | 8 | 19 | <5 | 155 | 293 | 47 | 5.38 | <0.5 | | |
| KK19-104705 | | 2.19 | 11 | 33 | 10 | 189 | 372 | 58 | 6.34 | <0.5 | | |
| KK19-104706 | | 2.16 | 14 | 55 | 19 | 195 | 334 | 58 | 6.14 | <0.5 | | |
| KK19-104707 | | 2.44 | 24 | 112 | 30 | 257 | 379 | 61 | 6.83 | <0.5 | | |
| KK19-104708 | | 2.08 | 18 | 356 | 71 | 167 | 360 | 58 | 6.66 | <0.5 | | |
| KK19-104709 | | 2.29 | 83 | 479 | 90 | 507 | 695 | 66 | 6.91 | <0.5 | | |
| KK19-104710 | | 2.24 | 16 | 319 | 53 | 187 | 471 | 65 | 7.71 | <0.5 | | |
| KK19-104711 | | 2.13 | 7 | 243 | 91 | 132 | 380 | 56 | 6.83 | <0.5 | | |
| KK19-104712 | | 2.14 | 5 | 228 | 86 | 103 | 393 | 57 | 7.04 | <0.5 | | |
| KK19-104713 | | 2.15 | 5 | 324 | 92 | 95 | 447 | 57 | 7.70 | <0.5 | | |
| KK19-104714 | | 2.22 | 14 | 466 | 94 | 112 | 530 | 60 | 8.67 | <0.5 | | |
| KK19-104715 | | 2.02 | 13 | 339 | 77 | 111 | 555 | 69 | 9.88 | <0.5 | | |
| KK19-104716 | | 2.32 | 24 | 423 | 85 | 131 | 592 | 69 | 10.10 | <0.5 | | |
| KK19-104717 | | 2.19 | 35 | 534 | 79 | 163 | 641 | 71 | 10.30 | <0.5 | | |
| KK19-104718 | | 2.33 | 27 | 532 | 74 | 331 | 666 | 56 | 7.35 | <0.5 | | |
| KK19-104719 | | 2.38 | 14 | 256 | 47 | 217 | 537 | 54 | 6.40 | <0.5 | | |
| KK19-104720 | | 2.33 | 13 | 430 | 63 | 211 | 580 | 60 | 7.23 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 26-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19284841

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104721 | | 1.83 | <1 | 2 | <5 | 2 | 2 | <1 | 12.40 | <0.5 | | |
| KK19-104722 | | 2.28 | 41 | 660 | 110 | 706 | 690 | 62 | 6.78 | <0.5 | | |
| KK19-104723 | | 2.33 | 24 | 377 | 52 | 456 | 693 | 64 | 7.11 | <0.5 | | |
| KK19-104724 | | 2.14 | 10 | 258 | 53 | 182 | 436 | 53 | 6.21 | <0.5 | | |
| KK19-104725 | | 2.24 | 17 | 639 | 107 | 380 | 602 | 67 | 7.50 | <0.5 | | |
| KK19-104726 | | 2.32 | 56 | 257 | 68 | 627 | 666 | 66 | 6.66 | <0.5 | | |
| KK19-104727 | | 2.21 | 79 | 637 | 111 | 697 | 824 | 72 | 7.46 | 0.5 | | |
| KK19-104728 | | 2.27 | 42 | 344 | 69 | 665 | 708 | 70 | 7.23 | 0.5 | | |
| KK19-104729 | | 2.27 | 26 | 154 | 31 | 367 | 479 | 61 | 6.66 | <0.5 | | |
| KK19-104730 | | 2.19 | 22 | 189 | 34 | 1115 | 493 | 60 | 6.57 | 0.9 | | |
| KK19-104731 | | 2.17 | 25 | 302 | 38 | 480 | 445 | 53 | 5.72 | <0.5 | | |
| KK19-104732 | | 2.13 | 17 | 192 | 28 | 285 | 405 | 49 | 5.39 | <0.5 | | |
| KK19-104733 | | 2.45 | 22 | 450 | 41 | 363 | 478 | 51 | 5.48 | <0.5 | | |
| KK19-104734 | | 2.08 | 15 | 109 | 23 | 331 | 443 | 53 | 5.57 | <0.5 | | |
| KK19-104735 | | 2.22 | 8 | 76 | 17 | 218 | 359 | 50 | 5.54 | <0.5 | | |
| KK19-104736 | | 2.30 | 13 | 141 | 36 | 232 | 449 | 61 | 6.35 | <0.5 | | |
| KK19-104737 | | 2.13 | 14 | 87 | 19 | 296 | 390 | 49 | 5.12 | <0.5 | | |
| KK19-104738 | | 2.25 | 15 | 57 | 11 | 204 | 370 | 44 | 5.07 | <0.5 | | |
| KK19-104739 | | 2.31 | 25 | 151 | 30 | 380 | 540 | 53 | 5.86 | <0.5 | | |
| KK19-104740 | | 2.27 | 20 | 146 | 30 | 451 | 447 | 53 | 5.44 | <0.5 | | |
| KK19-104741 | | 0.12 | 255 | 3090 | 718 | >10000 | >10000 | 954 | 3.89 | 4.2 | 16550 | 48100 |
| KK19-104742 | | 2.23 | 14 | 91 | 26 | 303 | 422 | 58 | 5.66 | <0.5 | | |
| KK19-104743 | | 2.14 | 16 | 73 | 14 | 276 | 398 | 47 | 5.64 | <0.5 | | |
| KK19-104744 | | 2.20 | 40 | 633 | 80 | 635 | 762 | 60 | 5.62 | <0.5 | | |
| KK19-104745 | | 2.13 | 22 | 242 | 43 | 392 | 664 | 57 | 5.89 | <0.5 | | |
| KK19-104746 | | 2.30 | 49 | 526 | 105 | 760 | 998 | 67 | 6.49 | <0.5 | | |
| KK19-104747 | | 2.18 | 35 | 373 | 41 | 362 | 498 | 57 | 6.80 | <0.5 | | |
| KK19-104748 | | 2.38 | 12 | 238 | 43 | 300 | 556 | 52 | 5.56 | <0.5 | | |
| KK19-104749 | | 2.37 | 29 | 381 | 63 | 602 | 660 | 53 | 5.56 | <0.5 | | |
| KK19-104750 | | 2.09 | 45 | 776 | 92 | 810 | 908 | 56 | 5.42 | 0.5 | | |
| KK19-104751 | | 2.31 | 13 | 533 | 93 | 339 | 819 | 68 | 7.61 | <0.5 | | |
| KK19-104752 | | 2.13 | 14 | 397 | 84 | 217 | 561 | 66 | 8.84 | <0.5 | | |
| KK19-104753 | | 2.28 | 16 | 557 | 119 | 216 | 636 | 77 | 10.25 | <0.5 | | |
| KK19-104754 | | 2.28 | 7 | 410 | 96 | 116 | 583 | 74 | 10.20 | <0.5 | | |
| KK19-104755 | | 2.29 | 9 | 455 | 106 | 107 | 555 | 70 | 9.81 | <0.5 | | |
| KK19-104756 | | 2.11 | 11 | 402 | 91 | 124 | 620 | 78 | 10.50 | <0.5 | | |
| KK19-104757 | | 2.17 | 17 | 249 | 61 | 150 | 505 | 62 | 8.02 | <0.5 | | |
| KK19-104758 | | 0.07 | 65 | 583 | 307 | 4350 | 4230 | 112 | 3.81 | 1.9 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 26-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19284841

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

# CERTIFICATE TB19285880

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 11-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19285880

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104525 | | 2.06 | <1 | 4 | <5 | 3 | 2 | <1 | 11.30 | <0.5 | | |
| KK19-104526 | | 0.07 | 4850 | 2000 | 1280 | 85 | 83 | 60 | 0.25 | 0.6 | | |
| KK19-104527 | | 2.24 | 7 | 151 | 31 | 87 | 213 | 34 | 3.72 | <0.5 | | |
| KK19-104528 | | 2.13 | 9 | 170 | 39 | 88 | 268 | 39 | 4.56 | <0.5 | | |
| KK19-104529 | | 2.32 | 13 | 172 | 47 | 113 | 281 | 37 | 4.38 | <0.5 | | |
| KK19-104530 | | 2.19 | 14 | 123 | 49 | 179 | 265 | 33 | 4.02 | <0.5 | | |
| KK19-104531 | | 2.25 | 8 | 244 | 52 | 89 | 261 | 32 | 3.77 | <0.5 | | |
| KK19-104532 | | 2.39 | 14 | 299 | 77 | 138 | 391 | 58 | 6.65 | <0.5 | | |
| KK19-104533 | | 2.38 | 8 | 170 | 50 | 102 | 356 | 49 | 5.93 | <0.5 | | |
| KK19-104534 | | 2.34 | 14 | 210 | 50 | 133 | 314 | 44 | 5.32 | <0.5 | | |
| KK19-104535 | | 2.30 | 10 | 163 | 45 | 92 | 321 | 44 | 5.66 | <0.5 | | |
| KK19-104536 | | 2.20 | 7 | 171 | 46 | 94 | 360 | 50 | 6.21 | <0.5 | | |
| KK19-104537 | | 2.35 | 8 | 195 | 43 | 89 | 373 | 50 | 6.18 | <0.5 | | |
| KK19-104538 | | 2.52 | 15 | 250 | 48 | 118 | 409 | 53 | 6.70 | <0.5 | | |
| KK19-104539 | | 2.51 | 10 | 257 | 41 | 118 | 427 | 55 | 6.78 | <0.5 | | |
| KK19-104540 | | 2.37 | 13 | 193 | 28 | 118 | 442 | 57 | 7.45 | <0.5 | | |
| KK19-104541 | | 2.31 | 6 | 158 | 20 | 80 | 400 | 50 | 7.11 | <0.5 | | |
| KK19-104542 | | 2.48 | 5 | 240 | 27 | 94 | 505 | 62 | 8.67 | <0.5 | | |
| KK19-104543 | | 2.39 | 5 | 291 | 30 | 86 | 562 | 69 | 9.27 | <0.5 | | |
| KK19-104544 | | 2.08 | 4 | 267 | 28 | 83 | 499 | 62 | 8.01 | <0.5 | | |
| KK19-104545 | | 0.07 | 64 | 606 | 328 | 4290 | 4220 | 110 | 3.74 | 2.3 | | |
| KK19-104546 | | 2.52 | 8 | 187 | 33 | 107 | 374 | 45 | 5.88 | <0.5 | | |
| KK19-104547 | | 2.25 | 35 | 382 | 52 | 303 | 473 | 46 | 5.34 | <0.5 | | |
| KK19-104548 | | 2.28 | 50 | 891 | 107 | 349 | 736 | 67 | 7.32 | <0.5 | | |
| KK19-104549 | | 2.34 | 9 | 277 | 58 | 540 | 453 | 54 | 6.79 | <0.5 | | |
| KK19-104550 | | 2.06 | 20 | 622 | 70 | 369 | 600 | 64 | 7.00 | <0.5 | | |
| KK19-104551 | | 2.33 | 8 | 195 | 36 | 144 | 480 | 63 | 8.15 | <0.5 | | |
| KK19-104552 | | 2.40 | 19 | 961 | 140 | 440 | 1490 | 95 | 7.75 | 0.5 | | |
| KK19-104553 | | 2.27 | 3 | 187 | 37 | 105 | 487 | 63 | 8.06 | <0.5 | | |
| KK19-104554 | | 2.28 | 4 | 193 | 39 | 60 | 456 | 59 | 7.81 | <0.5 | | |
| KK19-104555 | | 2.26 | 11 | 295 | 44 | 173 | 463 | 58 | 7.53 | <0.5 | | |
| KK19-104556 | | 2.23 | 5 | 167 | 35 | 71 | 441 | 57 | 7.49 | <0.5 | | |
| KK19-104557 | | 2.66 | 92 | 4220 | 191 | 1780 | 5420 | 230 | 6.61 | 2.1 | | |
| KK19-104558 | | 2.22 | 18 | 212 | 51 | 210 | 586 | 70 | 8.93 | <0.5 | | |
| KK19-104559 | | 2.35 | 9 | 162 | 47 | 163 | 498 | 63 | 8.32 | <0.5 | | |
| KK19-104560 | | 2.23 | 2 | 150 | 42 | 47 | 490 | 61 | 8.19 | <0.5 | | |
| KK19-104561 | | 2.31 | 13 | 311 | 47 | 255 | 414 | 53 | 6.70 | <0.5 | | |
| KK19-104562 | | 2.22 | 83 | 2090 | 259 | 928 | 1170 | 63 | 5.84 | 0.6 | | |
| KK19-104563 | | 2.43 | 145 | 3390 | 338 | 1640 | 2280 | 88 | 6.19 | 0.5 | | |
| KK19-104564 | | 2.30 | 23 | 310 | 37 | 169 | 336 | 34 | 3.88 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19285880

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104565 | | 1.50 | <1 | 3 | <5 | 2 | 2 | <1 | 12.75 | <0.5 | | |
| KK19-104566 | | 2.42 | 73 | 400 | 47 | 353 | 618 | 70 | 6.71 | <0.5 | | |
| KK19-104567 | | 2.26 | 238 | 2690 | 305 | 1200 | 1685 | 73 | 5.29 | 0.7 | | |
| KK19-104568 | | 2.34 | 33 | 112 | 19 | 257 | 426 | 51 | 5.91 | <0.5 | | |
| KK19-104569 | | 2.25 | 112 | 800 | 64 | 595 | 725 | 51 | 5.55 | <0.5 | | |
| KK19-104570 | | 2.44 | 378 | 1840 | 337 | 1010 | 1160 | 65 | 5.46 | <0.5 | | |
| KK19-104571 | | 2.48 | 93 | 525 | 53 | 513 | 574 | 52 | 5.24 | <0.5 | | |
| KK19-104572 | | 2.22 | 104 | 981 | 77 | 796 | 873 | 58 | 5.23 | <0.5 | | |
| KK19-104573 | | 2.10 | 228 | 949 | 67 | 630 | 755 | 53 | 5.29 | <0.5 | | |
| KK19-104574 | | 2.43 | 64 | 752 | 75 | 472 | 765 | 58 | 5.58 | <0.5 | | |
| KK19-104575 | | 2.32 | 159 | 1560 | 129 | 673 | 871 | 54 | 4.92 | <0.5 | | |
| KK19-104576 | | 2.40 | 111 | 1220 | 110 | 789 | 745 | 55 | 5.11 | <0.5 | | |
| KK19-104577 | | 2.40 | 173 | 1780 | 158 | 1220 | 1200 | 67 | 5.41 | <0.5 | | |
| KK19-104578 | | 2.28 | 491 | 3960 | 275 | 2320 | 2080 | 84 | 4.58 | 1.2 | | |
| KK19-104579 | | 1.93 | 299 | 2360 | 184 | 1220 | 1345 | 66 | 5.07 | 0.8 | | |
| KK19-104580 | | 2.69 | 42 | 1640 | 124 | 675 | 1060 | 60 | 4.83 | 0.6 | | |
| KK19-104581 | | 2.59 | 60 | 1700 | 125 | 1150 | 1085 | 68 | 4.88 | 1.0 | | |
| KK19-104582 | | 2.27 | 52 | 1320 | 113 | 799 | 952 | 64 | 5.05 | 1.0 | | |
| KK19-104583 | | 2.43 | 130 | 2390 | 172 | 1130 | 1370 | 68 | 4.66 | 0.8 | | |
| KK19-104584 | | 2.34 | 60 | 1040 | 111 | 644 | 690 | 55 | 4.66 | 0.7 | | |
| KK19-104585 | | 0.11 | 264 | 3350 | 795 | >10000 | >10000 | 983 | 3.96 | 4.4 | 16450 | 47500 |
| KK19-104586 | | 2.54 | 88 | 1370 | 108 | 740 | 877 | 59 | 4.73 | 0.8 | | |
| KK19-104587 | | 2.36 | 15 | 340 | 22 | 202 | 437 | 51 | 4.67 | <0.5 | | |
| KK19-104588 | | 2.14 | 26 | 321 | 19 | 330 | 335 | 42 | 4.01 | <0.5 | | |
| KK19-104589 | | 2.35 | 37 | 298 | 25 | 338 | 352 | 47 | 4.12 | <0.5 | | |
| KK19-104590 | | 2.11 | 19 | 179 | 12 | 245 | 304 | 42 | 3.20 | <0.5 | | |
| KK19-104591 | | 1.97 | 10 | 309 | 19 | 298 | 271 | 43 | 3.48 | 0.5 | | |
| KK19-104592 | | 2.22 | 11 | 420 | 31 | 271 | 271 | 41 | 2.97 | 0.6 | | |
| KK19-104593 | | 2.13 | 12 | 215 | 15 | 231 | 192 | 23 | 1.64 | <0.5 | | |
| KK19-104594 | | 2.26 | 12 | 928 | 54 | 355 | 408 | 25 | 1.28 | 0.8 | | |
| KK19-104595 | | 2.01 | 23 | 228 | 18 | 192 | 128 | 11 | 0.86 | <0.5 | | |
| KK19-104596 | | 2.19 | 8 | 140 | 12 | 131 | 90 | 11 | 0.80 | <0.5 | | |
| KK19-104597 | | 2.12 | 3 | 6 | <5 | 112 | 71 | 25 | 1.78 | 0.5 | | |
| KK19-104598 | | 2.80 | 3 | 14 | <5 | 200 | 147 | 50 | 3.79 | <0.5 | | |
| KK19-104599 | | 2.44 | 10 | 17 | <5 | 291 | 151 | 47 | 4.32 | 0.7 | | |
| KK19-104600 | | 2.71 | 7 | 63 | 6 | 191 | 182 | 51 | 3.65 | 0.5 | | |
| KK19-104601 | | 1.91 | 17 | 793 | 39 | 377 | 514 | 38 | 0.75 | 1.1 | | |
| KK19-104602 | | 0.07 | 75 | 593 | 284 | 4450 | 4330 | 115 | 3.94 | 2.4 | | |

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

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19285880

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

# CERTIFICATE TB19285881

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 11-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| PGM-ICP27 | Ore grade Pt, Pd and Au by ICP | ICP-AES |
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19285881

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | PGM-ICP27 Au ppb 10 | PGM-ICP27 Pd ppb 10 | PGM-ICP27 Pt ppb 10 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104603 | | 1.03 | 2 | 1 | <5 | | | | 1 | <1 | <1 | 11.60 | <0.5 | | |
| KK19-104604 | | 0.07 | 4900 | 1960 | 1260 | | | | 84 | 84 | 62 | 0.24 | 0.8 | | |
| KK19-104605 | | 2.12 | 3 | 71 | <5 | | | | 46 | 27 | 7 | 0.50 | <0.5 | | |
| KK19-104606 | | 2.05 | <1 | 47 | <5 | | | | 61 | 27 | 9 | 0.84 | <0.5 | | |
| KK19-104607 | | 2.12 | 11 | 131 | 6 | | | | 94 | 43 | 16 | 0.63 | <0.5 | | |
| KK19-104608 | | 2.03 | <1 | 34 | <5 | | | | 20 | 24 | 6 | 0.53 | <0.5 | | |
| KK19-104609 | | 2.30 | <1 | 37 | <5 | | | | 34 | 38 | 4 | 0.40 | <0.5 | | |
| KK19-104610 | | 1.89 | 2 | 12 | <5 | | | | 63 | 150 | 35 | 3.08 | <0.5 | | |
| KK19-104611 | | 2.57 | 2 | 10 | <5 | | | | 71 | 128 | 32 | 2.60 | <0.5 | | |
| KK19-104612 | | 2.00 | 1 | 8 | <5 | | | | 45 | 125 | 29 | 2.68 | <0.5 | | |
| KK19-104613 | | 1.16 | 3 | 18 | <5 | | | | 89 | 213 | 51 | 4.40 | <0.5 | | |
| KK19-104614 | | 3.08 | 4 | 166 | 10 | | | | 198 | 283 | 48 | 3.04 | <0.5 | | |
| KK19-104615 | | 2.24 | 5 | 32 | 6 | | | | 182 | 216 | 38 | 3.81 | <0.5 | | |
| KK19-104616 | | 2.23 | 7 | 19 | <5 | | | | 129 | 192 | 33 | 3.47 | <0.5 | | |
| KK19-104617 | | 2.44 | 12 | 136 | 33 | | | | 288 | 337 | 36 | 3.16 | 0.5 | | |
| KK19-104618 | | 2.01 | 24 | 774 | 97 | | | | 478 | 517 | 50 | 4.51 | <0.5 | | |
| KK19-104619 | | 2.06 | 21 | 519 | 59 | | | | 351 | 603 | 52 | 4.57 | <0.5 | | |
| KK19-104620 | | 2.09 | 26 | 1020 | 174 | | | | 295 | 1015 | 56 | 5.17 | <0.5 | | |
| KK19-104621 | | 1.99 | 26 | 1470 | 217 | | | | 598 | 887 | 61 | 6.20 | 0.6 | | |
| KK19-104622 | | 2.40 | 50 | 1210 | 126 | | | | 555 | 809 | 62 | 5.70 | 0.6 | | |
| KK19-104623 | | 0.07 | 82 | 596 | 300 | | | | 4640 | 4720 | 117 | 3.90 | 2.0 | | |
| KK19-104624 | | 2.29 | 7 | 692 | 77 | | | | 314 | 579 | 53 | 5.16 | <0.5 | | |
| KK19-104625 | | 2.01 | 5 | 37 | <5 | | | | 280 | 75 | 34 | 1.97 | <0.5 | | |
| KK19-104626 | | 2.24 | 5 | 40 | <5 | | | | 282 | 67 | 38 | 1.64 | 0.5 | | |
| KK19-104627 | | 2.01 | 13 | 388 | 66 | | | | 219 | 494 | 44 | 3.67 | <0.5 | | |
| KK19-104628 | | 2.41 | 27 | 4040 | 444 | | | | 728 | 3100 | 138 | 4.03 | 1.0 | | |
| KK19-104629 | | 2.18 | 10 | 466 | 105 | | | | 124 | 449 | 52 | 5.95 | <0.5 | | |
| KK19-104630 | | 2.31 | 23 | 483 | 86 | | | | 281 | 501 | 59 | 6.50 | <0.5 | | |
| KK19-104631 | | 2.18 | 26 | 482 | 69 | | | | 191 | 518 | 60 | 7.03 | <0.5 | | |
| KK19-104632 | | 2.11 | 6 | 414 | 90 | | | | 90 | 510 | 48 | 5.41 | <0.5 | | |
| KK19-104633 | | 2.03 | 43 | 910 | 122 | | | | 1245 | 721 | 55 | 5.34 | 1.1 | | |
| KK19-104634 | | 2.15 | 18 | 1410 | 363 | | | | 291 | 502 | 33 | 2.92 | <0.5 | | |
| KK19-104635 | | 2.09 | 23 | 1360 | 256 | | | | 1010 | 755 | 41 | 3.40 | 0.8 | | |
| KK19-104636 | | 2.32 | 6 | 697 | 141 | | | | 164 | 408 | 24 | 2.64 | <0.5 | | |
| KK19-104637 | | 1.92 | 56 | 1520 | 200 | | | | 1280 | 1190 | 53 | 4.47 | 0.8 | | |
| KK19-104638 | | 2.04 | 27 | 390 | 82 | | | | 553 | 631 | 47 | 4.40 | 0.7 | | |
| KK19-104639 | | 1.81 | 62 | 680 | 100 | | | | 985 | 1100 | 68 | 5.70 | <0.5 | | |
| KK19-104640 | | 2.38 | 45 | 433 | 71 | | | | 590 | 713 | 54 | 5.71 | <0.5 | | |
| KK19-104641 | | 2.31 | 22 | 279 | 72 | | | | 324 | 555 | 52 | 5.76 | <0.5 | | |
| KK19-104642 | | 2.15 | 12 | 49 | 12 | | | | 136 | 408 | 47 | 5.65 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19285881

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | PGM-ICP27 Au ppb 10 | PGM-ICP27 Pd ppb 10 | PGM-ICP27 Pt ppb 10 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104643 | | 1.74 | <1 | <1 | <5 | | | | 2 | 2 | 2 | 11.50 | <0.5 | | |
| KK19-104644 | | 2.45 | 58 | 772 | 129 | | | | 1390 | 1230 | 72 | 5.87 | 1.5 | | |
| KK19-104645 | | 2.45 | 31 | 628 | 145 | | | | 698 | 787 | 50 | 4.84 | 0.8 | | |
| KK19-104646 | | 2.23 | 26 | 1300 | 271 | | | | 618 | 753 | 68 | 2.72 | 0.6 | | |
| KK19-104647 | | 2.35 | 14 | 733 | 108 | | | | 524 | 650 | 33 | 3.32 | <0.5 | | |
| KK19-104648 | | 2.35 | 26 | 1230 | 229 | | | | 697 | 660 | 39 | 3.94 | <0.5 | | |
| KK19-104649 | | 2.47 | 15 | 321 | 67 | | | | 215 | 473 | 56 | 7.84 | 0.5 | | |
| KK19-104650 | | 2.17 | 12 | 375 | 98 | | | | 234 | 448 | 41 | 3.88 | <0.5 | | |
| KK19-104651 | | 2.29 | 46 | 1090 | 161 | | | | 1135 | 1175 | 63 | 4.61 | 0.8 | | |
| KK19-104652 | | 2.41 | 10 | 468 | 97 | | | | 144 | 398 | 32 | 3.67 | <0.5 | | |
| KK19-104653 | | 2.25 | 4 | 170 | 68 | | | | 117 | 219 | 19 | 2.23 | <0.5 | | |
| KK19-104654 | | 2.32 | 5 | 184 | 52 | | | | 66 | 315 | 29 | 3.66 | <0.5 | | |
| KK19-104655 | | 2.16 | 12 | 290 | 73 | | | | 331 | 408 | 25 | 2.66 | <0.5 | | |
| KK19-104656 | | 2.31 | 98 | 761 | 153 | | | | 775 | 532 | 32 | 2.61 | <0.5 | | |
| KK19-104657 | | 2.28 | 68 | 289 | 86 | | | | 459 | 412 | 29 | 3.35 | <0.5 | | |
| KK19-104658 | | 2.35 | 119 | 1600 | 247 | | | | 1100 | 1245 | 59 | 5.09 | <0.5 | | |
| KK19-104659 | | 2.28 | 161 | 1610 | 194 | | | | 2070 | 1215 | 79 | 7.77 | 0.7 | | |
| KK19-104660 | | 2.33 | 14 | 317 | 55 | | | | 139 | 632 | 75 | 10.10 | <0.5 | | |
| KK19-104661 | | 2.18 | 17 | 544 | 109 | | | | 235 | 494 | 41 | 4.54 | <0.5 | | |
| KK19-104662 | | 2.21 | 76 | 519 | 91 | | | | 1165 | 630 | 45 | 4.35 | 0.7 | | |
| KK19-104663 | | 0.12 | 270 | 3360 | 800 | | | | >10000 | >10000 | 960 | 3.98 | 4.2 | 16450 | 47500 |
| KK19-104664 | | 2.35 | 13 | 285 | 61 | | | | 93 | 612 | 63 | 8.39 | <0.5 | | |
| KK19-104665 | | 2.18 | 4 | 312 | 67 | | | | 89 | 556 | 66 | 9.02 | <0.5 | | |
| KK19-104666 | | 2.34 | 4 | 304 | 71 | | | | 93 | 529 | 70 | 9.29 | <0.5 | | |
| KK19-104667 | | 2.24 | 10 | 368 | 86 | | | | 161 | 556 | 69 | 9.13 | <0.5 | | |
| KK19-104668 | | 2.32 | 6 | 376 | 104 | | | | 99 | 524 | 64 | 8.94 | <0.5 | | |
| KK19-104669 | | 2.27 | 16 | 300 | 66 | | | | 226 | 384 | 44 | 5.70 | <0.5 | | |
| KK19-104670 | | 2.20 | 25 | 1260 | 245 | | | | 502 | 845 | 69 | 7.52 | <0.5 | | |
| KK19-104671 | | 2.24 | 22 | 955 | 84 | | | | 694 | 1055 | 65 | 6.15 | <0.5 | | |
| KK19-104672 | | 2.10 | 9 | 365 | 75 | | | | 175 | 528 | 59 | 7.15 | <0.5 | | |
| KK19-104673 | | 2.18 | 9 | 254 | 66 | | | | 87 | 393 | 50 | 6.24 | 0.6 | | |
| KK19-104674 | | 2.37 | 13 | 315 | 71 | | | | 109 | 410 | 52 | 6.39 | <0.5 | | |
| KK19-104675 | | 2.31 | 22 | 351 | 80 | | | | 180 | 461 | 53 | 6.39 | 0.5 | | |
| KK19-104676 | | 2.19 | 303 | 4820 | 416 | | | | 2460 | 2230 | 79 | 4.77 | 1.5 | | |
| KK19-104677 | | 2.48 | 513 | >10000 | 1260 | 540 | 16050 | 1250 | 6170 | 6150 | 161 | 4.10 | 3.4 | | |
| KK19-104678 | | 2.23 | 32 | 715 | 84 | | | | 586 | 760 | 55 | 5.52 | 0.6 | | |
| KK19-104679 | | 2.36 | 29 | 1040 | 92 | | | | 541 | 771 | 49 | 4.97 | 0.7 | | |
| KK19-104680 | | 0.07 | 60 | 595 | 323 | | | | 4420 | 4170 | 112 | 3.81 | 2.3 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19285881

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | PGM-ICP27 | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-DEC-2019**
**Account: MZI**

# CERTIFICATE TB19298591

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 25-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19298591

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104915 | | 2.20 | <1 | 1 | <5 | 1 | 3 | <1 | 11.85 | <0.5 | | |
| KK19-104916 | | 0.07 | 4910 | 2060 | 1290 | 88 | 83 | 63 | 0.26 | 0.5 | | |
| KK19-104917 | | 2.51 | 25 | 161 | 42 | 388 | 480 | 56 | 5.10 | 0.6 | | |
| KK19-104918 | | 2.36 | 9 | 44 | 10 | 170 | 282 | 50 | 5.42 | <0.5 | | |
| KK19-104919 | | 2.31 | 8 | 137 | 20 | 152 | 353 | 49 | 5.34 | <0.5 | | |
| KK19-104920 | | 2.29 | 8 | 101 | 12 | 113 | 296 | 48 | 5.42 | <0.5 | | |
| KK19-104921 | | 2.25 | 17 | 216 | 22 | 225 | 306 | 38 | 4.44 | 0.7 | | |
| KK19-104922 | | 1.87 | 19 | 844 | 49 | 325 | 434 | 42 | 4.60 | <0.5 | | |
| KK19-104923 | | 2.41 | 1 | 2 | <5 | 45 | 20 | 3 | 0.31 | <0.5 | | |
| KK19-104924 | | 2.09 | <1 | <1 | <5 | 27 | 2 | <1 | 0.05 | <0.5 | | |
| KK19-104925 | | 2.25 | 16 | 349 | 22 | 231 | 334 | 45 | 5.43 | 0.5 | | |
| KK19-104926 | | 2.28 | 20 | 390 | 42 | 189 | 464 | 47 | 5.56 | 0.7 | | |
| KK19-104927 | | 2.42 | 31 | 902 | 104 | 346 | 649 | 57 | 5.68 | 0.7 | | |
| KK19-104928 | | 2.22 | 24 | 325 | 33 | 160 | 382 | 44 | 5.39 | <0.5 | | |
| KK19-104929 | | 2.56 | 27 | 377 | 47 | 133 | 360 | 45 | 5.72 | <0.5 | | |
| KK19-104930 | | 2.34 | 18 | 76 | 23 | 123 | 357 | 55 | 6.36 | <0.5 | | |
| KK19-104931 | | 2.29 | 21 | 292 | 54 | 124 | 383 | 55 | 6.32 | <0.5 | | |
| KK19-104932 | | 2.25 | 24 | 171 | 30 | 169 | 384 | 54 | 6.42 | <0.5 | | |
| KK19-104933 | | 2.38 | 118 | 1230 | 105 | 440 | 649 | 72 | 8.58 | 0.5 | | |
| KK19-104934 | | 2.28 | 24 | 619 | 96 | 122 | 583 | 66 | 8.76 | <0.5 | | |
| KK19-104935 | | 0.07 | 90 | 572 | 301 | 4660 | 4430 | 117 | 3.98 | 2.2 | | |
| KK19-104936 | | 2.47 | 851 | 1980 | 203 | 615 | 716 | 68 | 8.55 | 0.6 | | |
| KK19-104937 | | 2.19 | 20 | 347 | 76 | 131 | 479 | 59 | 8.02 | <0.5 | | |
| KK19-104938 | | 2.17 | 26 | 242 | 79 | 152 | 450 | 57 | 7.48 | <0.5 | | |
| KK19-104939 | | 2.03 | 87 | 740 | 118 | 245 | 599 | 56 | 7.14 | 0.5 | | |
| KK19-104940 | | 1.95 | 53 | 1210 | 109 | 227 | 563 | 23 | 1.64 | <0.5 | | |
| KK19-104941 | | 2.33 | 41 | 1500 | 151 | 404 | 945 | 51 | 5.12 | <0.5 | | |
| KK19-104942 | | 2.47 | 24 | 1450 | 166 | 403 | 851 | 58 | 6.76 | <0.5 | | |
| KK19-104943 | | 2.28 | 12 | 391 | 55 | 149 | 529 | 54 | 6.99 | <0.5 | | |
| KK19-104944 | | 2.40 | 4 | 982 | 109 | 94 | 722 | 51 | 5.84 | <0.5 | | |
| KK19-104945 | | 2.82 | 8 | 1850 | 167 | 86 | 1115 | 60 | 6.18 | <0.5 | | |
| KK19-104946 | | 2.18 | 9 | 656 | 92 | 124 | 711 | 59 | 6.60 | <0.5 | | |
| KK19-104947 | | 2.44 | 5 | 120 | 7 | 60 | 90 | 4 | 0.25 | <0.5 | | |
| KK19-104948 | | 1.86 | 37 | 459 | 37 | 347 | 541 | 47 | 5.17 | <0.5 | | |
| KK19-104949 | | 2.27 | 15 | 64 | 20 | 98 | 330 | 45 | 5.51 | <0.5 | | |
| KK19-104950 | | 2.27 | 81 | 867 | 28 | 564 | 452 | 45 | 5.20 | <0.5 | | |
| KK19-104951 | | 2.21 | 23 | 265 | 50 | 283 | 379 | 46 | 5.52 | <0.5 | | |
| KK19-104952 | | 2.33 | 50 | 1190 | 142 | 581 | 828 | 57 | 5.58 | <0.5 | | |
| KK19-104953 | | 2.32 | 77 | 1740 | 96 | 1075 | 1155 | 75 | 5.83 | 0.7 | | |
| KK19-104954 | | 2.25 | 1090 | 289 | 41 | 536 | 399 | 45 | 5.35 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19298591

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104955 | | 2.04 | <1 | 1 | <5 | 2 | <1 | <1 | 11.70 | <0.5 | | |
| KK19-104956 | | 2.21 | 61 | 814 | 104 | 667 | 514 | 52 | 6.06 | 0.5 | | |
| KK19-104957 | | 2.24 | 216 | 4860 | 1230 | 1360 | 2200 | 100 | 5.86 | 0.9 | | |
| KK19-104958 | | 2.21 | 73 | 720 | 36 | 799 | 696 | 49 | 4.59 | <0.5 | | |
| KK19-104959 | | 2.27 | 12 | 184 | 47 | 107 | 561 | 57 | 6.91 | <0.5 | | |
| KK19-104960 | | 2.31 | 21 | 257 | 54 | 183 | 515 | 74 | 8.60 | <0.5 | | |
| KK19-104961 | | 2.32 | 27 | 841 | 104 | 379 | 558 | 59 | 6.76 | <0.5 | | |
| KK19-104962 | | 2.20 | 13 | 184 | 44 | 141 | 387 | 49 | 6.13 | <0.5 | | |
| KK19-104963 | | 2.23 | 52 | 447 | 103 | 283 | 492 | 57 | 6.99 | <0.5 | | |
| KK19-104964 | | 2.24 | 50 | 730 | 58 | 522 | 612 | 58 | 6.53 | <0.5 | | |
| KK19-104965 | | 2.18 | 61 | 424 | 50 | 340 | 495 | 51 | 5.88 | <0.5 | | |
| KK19-104966 | | 2.14 | 10 | 94 | 25 | 87 | 334 | 48 | 5.97 | <0.5 | | |
| KK19-104967 | | 2.40 | 34 | 190 | 40 | 207 | 428 | 50 | 6.33 | <0.5 | | |
| KK19-104968 | | 2.20 | 131 | 801 | 105 | 541 | 605 | 57 | 6.09 | 0.5 | | |
| KK19-104969 | | 2.20 | 21 | 221 | 41 | 164 | 479 | 60 | 7.43 | <0.5 | | |
| KK19-104970 | | 2.31 | 34 | 445 | 106 | 263 | 535 | 65 | 8.09 | <0.5 | | |
| KK19-104971 | | 2.21 | 10 | 399 | 84 | 46 | 492 | 63 | 8.60 | <0.5 | | |
| KK19-104972 | | 2.37 | 383 | 360 | 70 | 274 | 487 | 59 | 7.63 | <0.5 | | |
| KK19-104973 | | 2.37 | 79 | 703 | 162 | 606 | 754 | 72 | 7.72 | 0.6 | | |
| KK19-104974 | | 2.19 | 19 | 154 | 40 | 115 | 380 | 50 | 6.63 | <0.5 | | |
| KK19-104975 | | 0.12 | 231 | 3570 | 825 | >10000 | >10000 | 1010 | 4.04 | 4.1 | 16800 | 47400 |
| KK19-104976 | | 2.28 | 12 | 135 | 41 | 89 | 435 | 54 | 7.17 | <0.5 | | |
| KK19-104977 | | 2.29 | 26 | 140 | 40 | 167 | 438 | 59 | 7.32 | <0.5 | | |
| KK19-104978 | | 2.23 | 33 | 261 | 57 | 170 | 486 | 55 | 7.36 | <0.5 | | |
| KK19-104979 | | 2.19 | 64 | 655 | 120 | 406 | 630 | 60 | 7.21 | <0.5 | | |
| KK19-104980 | | 2.17 | 85 | 532 | 66 | 513 | 641 | 55 | 6.37 | <0.5 | | |
| KK19-104981 | | 2.19 | 56 | 150 | 33 | 208 | 418 | 48 | 5.89 | <0.5 | | |
| KK19-104982 | | 2.30 | 54 | 197 | 25 | 237 | 406 | 48 | 5.90 | <0.5 | | |
| KK19-104983 | | 2.07 | 46 | 326 | 24 | 252 | 421 | 49 | 6.05 | <0.5 | | |
| KK19-104984 | | 2.30 | 31 | 124 | 22 | 135 | 397 | 50 | 6.07 | <0.5 | | |
| KK19-104985 | | 2.21 | 43 | 186 | 30 | 208 | 445 | 52 | 6.01 | <0.5 | | |
| KK19-104986 | | 2.26 | 20 | 50 | 13 | 145 | 343 | 46 | 5.65 | <0.5 | | |
| KK19-104987 | | 2.25 | 20 | 112 | 22 | 134 | 390 | 50 | 6.15 | <0.5 | | |
| KK19-104988 | | 2.31 | 46 | 560 | 66 | 356 | 656 | 67 | 7.47 | <0.5 | | |
| KK19-104989 | | 2.48 | 42 | 217 | 43 | 346 | 440 | 52 | 6.43 | <0.5 | | |
| KK19-104990 | | 1.94 | 25 | 98 | 25 | 246 | 376 | 58 | 6.01 | <0.5 | | |
| KK19-104991 | | 2.30 | 3 | 3 | <5 | 101 | 105 | 50 | 3.61 | <0.5 | | |
| KK19-104992 | | 0.07 | 88 | 630 | 309 | 4770 | 4520 | 119 | 4.03 | 2.2 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 11-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19298591

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 14-DEC-2019**
**Account: MZI**

# CERTIFICATE TB19302026

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 14-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19302026

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105071 | | 2.40 | <1 | 1 | <5 | 3 | 6 | <1 | 11.75 | <0.5 | | |
| KK19-105072 | | 0.07 | 4520 | 1960 | 1240 | 87 | 88 | 63 | 0.27 | 0.7 | | |
| KK19-105073 | | 2.12 | 2 | 68 | <5 | 70 | 41 | 4 | 0.28 | <0.5 | | |
| KK19-105074 | | 2.24 | 1 | 61 | 5 | 68 | 31 | 2 | 0.08 | <0.5 | | |
| KK19-105075 | | 2.20 | <1 | 9 | <5 | 41 | 10 | 3 | 0.33 | <0.5 | | |
| KK19-105076 | | 2.14 | <1 | 1 | <5 | 57 | 6 | 6 | 0.54 | <0.5 | | |
| KK19-105077 | | 2.07 | <1 | 1 | <5 | 14 | 3 | 3 | 0.27 | <0.5 | | |
| KK19-105078 | | 2.27 | <1 | 1 | <5 | 12 | 7 | 5 | 0.45 | <0.5 | | |
| KK19-105079 | | 2.19 | <1 | 49 | <5 | 32 | 15 | 3 | 0.22 | <0.5 | | |
| KK19-105080 | | 2.06 | <1 | 9 | <5 | 9 | 10 | 4 | 0.36 | <0.5 | | |
| KK19-105081 | | 2.12 | <1 | 1 | <5 | 7 | 7 | 4 | 0.42 | <0.5 | | |
| KK19-105082 | | 1.97 | <1 | 1 | <5 | 16 | 3 | 4 | 0.30 | <0.5 | | |
| KK19-105083 | | 2.32 | <1 | <1 | <5 | 53 | 3 | 5 | 0.29 | <0.5 | | |
| KK19-105084 | | 2.05 | <1 | 1 | <5 | 9 | 3 | 5 | 0.28 | <0.5 | | |
| KK19-105085 | | 1.55 | <1 | 1 | <5 | 6 | 10 | 6 | 0.55 | <0.5 | | |
| KK19-105086 | | 2.84 | <1 | 6 | <5 | 9 | 7 | 8 | 0.53 | <0.5 | | |
| KK19-105087 | | 2.11 | <1 | 1 | <5 | 6 | 7 | 4 | 0.39 | <0.5 | | |
| KK19-105088 | | 2.06 | <1 | 1 | <5 | 5 | 7 | 4 | 0.42 | <0.5 | | |
| KK19-105089 | | 2.27 | <1 | 1 | <5 | 6 | 7 | 7 | 0.47 | <0.5 | | |
| KK19-105090 | | 2.04 | <1 | 1 | <5 | 9 | 6 | 6 | 0.44 | <0.5 | | |
| KK19-105091 | | 0.07 | 109 | 612 | 303 | 4300 | 4060 | 109 | 3.84 | 2.7 | | |
| KK19-105092 | | 2.40 | <1 | 1 | <5 | 31 | 13 | 6 | 0.52 | <0.5 | | |
| KK19-105093 | | 2.17 | <1 | 1 | <5 | 9 | 8 | 8 | 0.58 | <0.5 | | |
| KK19-105094 | | 1.93 | <1 | 1 | <5 | 4 | 6 | 6 | 0.53 | <0.5 | | |
| KK19-105095 | | 2.12 | <1 | <1 | <5 | 7 | 6 | 6 | 0.43 | <0.5 | | |
| KK19-105096 | | 2.16 | <1 | 1 | <5 | 11 | 4 | 5 | 0.35 | <0.5 | | |
| KK19-105097 | | 2.13 | <1 | <1 | <5 | 13 | 7 | 8 | 0.66 | <0.5 | | |
| KK19-105098 | | 1.96 | <1 | 1 | <5 | 7 | 4 | 6 | 0.46 | <0.5 | | |
| KK19-105099 | | 2.09 | <1 | 1 | <5 | 8 | 6 | 8 | 0.56 | <0.5 | | |
| KK19-105100 | | 2.18 | <1 | 1 | <5 | 10 | 5 | 7 | 0.50 | <0.5 | | |
| KK19-105101 | | 2.17 | <1 | 1 | <5 | 13 | 4 | 6 | 0.45 | <0.5 | | |
| KK19-105102 | | 2.19 | <1 | <1 | <5 | 7 | 8 | 7 | 0.48 | <0.5 | | |
| KK19-105103 | | 2.01 | <1 | 1 | <5 | 22 | 18 | 15 | 1.09 | <0.5 | | |
| KK19-105104 | | 2.11 | <1 | 1 | <5 | 19 | 22 | 17 | 1.32 | <0.5 | | |
| KK19-105105 | | 2.48 | <1 | 1 | <5 | 44 | 23 | 17 | 1.28 | <0.5 | | |
| KK19-105106 | | 1.47 | 1 | 1 | <5 | 107 | 35 | 24 | 1.60 | <0.5 | | |
| KK19-105107 | | 2.73 | <1 | 1 | <5 | 62 | 30 | 21 | 1.57 | <0.5 | | |
| KK19-105108 | | 2.04 | <1 | 1 | <5 | 36 | 25 | 18 | 1.48 | <0.5 | | |
| KK19-105109 | | 2.06 | <1 | 1 | <5 | 24 | 23 | 17 | 1.27 | <0.5 | | |
| KK19-105110 | | 2.08 | <1 | 1 | <5 | 25 | 18 | 15 | 1.13 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 14-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19302026

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105111 | | 1.81 | <1 | 1 | <5 | 1 | 2 | 1 | 11.55 | <0.5 | | |
| KK19-105112 | | 2.07 | <1 | 1 | <5 | 5 | 7 | 5 | 0.48 | <0.5 | | |
| KK19-105113 | | 2.03 | <1 | 1 | <5 | 12 | 8 | 5 | 0.40 | <0.5 | | |
| KK19-105114 | | 2.05 | <1 | 1 | <5 | 10 | 5 | 7 | 0.38 | <0.5 | | |
| KK19-105115 | | 1.15 | <1 | <1 | <5 | 29 | 5 | 5 | 0.43 | <0.5 | | |
| KK19-105116 | | 1.69 | <1 | <1 | <5 | 75 | 20 | 12 | 1.40 | <0.5 | | |
| KK19-105117 | | 1.28 | 21 | 261 | 39 | 954 | 625 | 45 | 4.47 | 0.5 | | |
| KK19-105118 | | 2.29 | 118 | 288 | 48 | 870 | 639 | 60 | 5.16 | 0.7 | | |
| KK19-105119 | | 2.39 | 113 | 401 | 64 | 810 | 783 | 72 | 6.83 | 0.6 | | |
| KK19-105120 | | 2.61 | 142 | 570 | 79 | 1290 | 932 | 63 | 4.82 | 0.7 | | |
| KK19-105121 | | 1.95 | 92 | 448 | 57 | 989 | 765 | 60 | 5.79 | 0.5 | | |
| KK19-105122 | | 2.28 | 254 | 972 | 141 | 2410 | 1770 | 96 | 7.03 | 1.8 | | |
| KK19-105123 | | 2.35 | 294 | 1000 | 151 | 2830 | 2090 | 109 | 7.96 | 1.2 | | |
| KK19-105124 | | 2.62 | 280 | 922 | 144 | 2740 | 1940 | 106 | 6.71 | 1.1 | | |
| KK19-105125 | | 2.34 | 247 | 877 | 129 | 2180 | 1570 | 98 | 6.71 | 1.0 | | |
| KK19-105126 | | 2.43 | 357 | 1815 | 219 | 2940 | 1920 | 83 | 4.17 | 1.4 | | |
| KK19-105127 | | 2.20 | 403 | 2050 | 244 | 3170 | 2270 | 82 | 3.40 | 1.6 | | |
| KK19-105128 | | 3.02 | 259 | 1455 | 153 | 2190 | 1380 | 53 | 2.57 | 1.3 | | |
| KK19-105129 | | 1.62 | 103 | 588 | 56 | 1030 | 622 | 33 | 1.54 | 0.7 | | |
| KK19-105130 | | 2.15 | 66 | 531 | 67 | 871 | 605 | 33 | 1.65 | 0.8 | | |
| KK19-105131 | | 0.12 | 286 | 3420 | 810 | >10000 | >10000 | 958 | 3.93 | 4.3 | 15900 | 44500 |
| KK19-105132 | | 1.69 | 197 | 3680 | 514 | 2780 | 3580 | 112 | 1.41 | 2.3 | | |
| KK19-105133 | | 1.83 | 992 | 6110 | 801 | 5370 | 4010 | 111 | 1.21 | 4.6 | | |
| KK19-105134 | | 1.50 | 82 | 1740 | 191 | 2700 | 1500 | 37 | 0.49 | 2.3 | | |
| KK19-105135 | | 1.74 | 23 | 1610 | 246 | 380 | 1270 | 42 | 0.26 | 0.7 | | |
| KK19-105136 | | 2.40 | 7 | 221 | 17 | 200 | 102 | 6 | 0.20 | <0.5 | | |
| KK19-105137 | | 2.23 | 6 | 124 | 11 | 71 | 30 | 3 | 0.39 | <0.5 | | |
| KK19-105138 | | 2.91 | 3 | 111 | 13 | 63 | 36 | 7 | 0.47 | <0.5 | | |
| KK19-105139 | | 1.77 | <1 | <1 | <5 | 32 | 11 | 8 | 0.61 | <0.5 | | |
| KK19-105140 | | 2.21 | <1 | <1 | <5 | 23 | 13 | 7 | 0.59 | <0.5 | | |
| KK19-105141 | | 1.72 | <1 | <1 | <5 | 24 | 11 | 9 | 0.59 | <0.5 | | |
| KK19-105142 | | 2.67 | 5 | 86 | 10 | 50 | 15 | 4 | 0.36 | <0.5 | | |
| KK19-105143 | | 2.14 | 3 | 89 | 9 | 64 | 28 | 5 | 0.34 | <0.5 | | |
| KK19-105144 | | 2.26 | 5 | 181 | 17 | 69 | 32 | 5 | 0.36 | <0.5 | | |
| KK19-105145 | | 2.63 | 18 | 278 | 25 | 57 | 44 | 6 | 0.34 | <0.5 | | |
| KK19-105146 | | 1.77 | 1 | 16 | <5 | 27 | 6 | 4 | 0.32 | <0.5 | | |
| KK19-105147 | | 2.06 | <1 | 4 | <5 | 38 | 8 | 4 | 0.30 | <0.5 | | |
| KK19-105148 | | 0.07 | 62 | 577 | 312 | 4740 | 4470 | 113 | 4.02 | 2.1 | | |

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

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 14-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19302026

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 12-DEC-2019**
**Account: MZI**

# CERTIFICATE TB19302027

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 12-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19302027

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104993 | | 2.93 | <1 | <1 | <5 | 2 | 2 | <1 | 11.90 | <0.5 | | |
| KK19-104994 | | 0.07 | 4740 | 2060 | 1220 | 92 | 89 | 65 | 0.28 | 0.8 | | |
| KK19-104995 | | 2.32 | <1 | <1 | <5 | 69 | 96 | 49 | 3.54 | <0.5 | | |
| KK19-104996 | | 2.40 | 10 | <1 | <5 | 154 | 86 | 49 | 3.25 | <0.5 | | |
| KK19-104997 | | 1.36 | 3 | 10 | <5 | 60 | 99 | 29 | 2.48 | <0.5 | | |
| KK19-104998 | | 0.91 | 17 | 528 | 53 | 142 | 368 | 42 | 5.03 | <0.5 | | |
| KK19-104999 | | 2.17 | 15 | 240 | 22 | 96 | 347 | 39 | 4.70 | <0.5 | | |
| KK19-105000 | | 2.18 | 18 | 33 | 8 | 90 | 365 | 43 | 5.45 | <0.5 | | |
| KK19-105001 | | 2.38 | 24 | 358 | 41 | 101 | 383 | 42 | 5.02 | <0.5 | | |
| KK19-105002 | | 2.36 | 29 | 468 | 38 | 107 | 408 | 44 | 5.29 | <0.5 | | |
| KK19-105003 | | 2.43 | 18 | 426 | 47 | 180 | 516 | 56 | 6.35 | <0.5 | | |
| KK19-105004 | | 2.42 | 19 | 95 | 23 | 165 | 411 | 57 | 6.50 | <0.5 | | |
| KK19-105005 | | 2.37 | 14 | 148 | 31 | 117 | 425 | 53 | 6.82 | <0.5 | | |
| KK19-105006 | | 2.36 | 5 | 157 | 37 | 54 | 452 | 53 | 6.95 | <0.5 | | |
| KK19-105007 | | 2.39 | 14 | 139 | 35 | 156 | 459 | 60 | 7.33 | 0.6 | | |
| KK19-105008 | | 2.35 | 40 | 191 | 25 | 379 | 465 | 53 | 5.83 | <0.5 | | |
| KK19-105009 | | 2.21 | 9 | 26 | 10 | 76 | 269 | 37 | 4.60 | <0.5 | | |
| KK19-105010 | | 2.40 | 16 | 14 | 10 | 136 | 314 | 44 | 5.45 | <0.5 | | |
| KK19-105011 | | 2.39 | 28 | 54 | 11 | 254 | 380 | 50 | 5.91 | <0.5 | | |
| KK19-105012 | | 2.30 | 48 | 362 | 34 | 440 | 590 | 59 | 6.05 | <0.5 | | |
| KK19-105013 | | 0.07 | 72 | 637 | 292 | 4640 | 4340 | 113 | 3.96 | 2.3 | | |
| KK19-105014 | | 2.27 | 20 | 164 | 27 | 212 | 345 | 43 | 4.89 | <0.5 | | |
| KK19-105015 | | 2.35 | 19 | 114 | 18 | 183 | 323 | 49 | 5.82 | 0.6 | | |
| KK19-105016 | | 2.37 | 31 | 1260 | 207 | 181 | 445 | 50 | 5.82 | <0.5 | | |
| KK19-105017 | | 2.29 | 44 | 610 | 147 | 257 | 495 | 55 | 6.48 | 0.5 | | |
| KK19-105018 | | 2.45 | 48 | 1140 | 148 | 353 | 742 | 69 | 7.94 | 0.7 | | |
| KK19-105019 | | 1.77 | 44 | 706 | 92 | 468 | 671 | 61 | 6.79 | 0.6 | | |
| KK19-105020 | | 2.29 | 19 | 538 | 70 | 102 | 377 | 52 | 6.46 | 0.5 | | |
| KK19-105021 | | 2.18 | 15 | 227 | 58 | 48 | 323 | 43 | 5.68 | <0.5 | | |
| KK19-105022 | | 2.34 | 23 | 330 | 94 | 105 | 348 | 47 | 5.86 | <0.5 | | |
| KK19-105023 | | 2.15 | 29 | 364 | 52 | 158 | 310 | 45 | 5.20 | <0.5 | | |
| KK19-105024 | | 2.25 | 29 | 418 | 87 | 136 | 389 | 54 | 6.30 | <0.5 | | |
| KK19-105025 | | 2.16 | 26 | 566 | 141 | 83 | 336 | 42 | 5.50 | <0.5 | | |
| KK19-105026 | | 2.23 | 12 | 183 | 52 | 78 | 317 | 45 | 5.93 | <0.5 | | |
| KK19-105027 | | 2.13 | 9 | 81 | 28 | 61 | 315 | 44 | 5.91 | <0.5 | | |
| KK19-105028 | | 2.11 | 10 | 130 | 38 | 69 | 289 | 42 | 5.49 | <0.5 | | |
| KK19-105029 | | 2.22 | 44 | 797 | 91 | 506 | 415 | 51 | 5.94 | 0.7 | | |
| KK19-105030 | | 2.11 | 55 | 696 | 76 | 364 | 401 | 47 | 5.46 | <0.5 | | |
| KK19-105031 | | 2.28 | 7 | 72 | 28 | 78 | 285 | 42 | 5.27 | <0.5 | | |
| KK19-105032 | | 2.10 | 13 | 158 | 43 | 95 | 292 | 41 | 5.23 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 12-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19302027

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105033 | | 2.29 | <1 | <1 | <5 | 1 | 5 | <1 | 11.30 | <0.5 | | |
| KK19-105034 | | 2.08 | 130 | 1110 | 112 | 941 | 624 | 56 | 5.09 | 0.9 | | |
| KK19-105035 | | 2.13 | 99 | 691 | 80 | 528 | 534 | 51 | 3.96 | 0.6 | | |
| KK19-105036 | | 2.37 | 164 | 1210 | 127 | 1170 | 708 | 59 | 4.88 | <0.5 | | |
| KK19-105037 | | 2.28 | 22 | 1640 | 89 | 488 | 1340 | 91 | 4.07 | 0.6 | | |
| KK19-105038 | | 2.29 | 39 | 740 | 81 | 496 | 477 | 52 | 5.42 | 0.5 | | |
| KK19-105039 | | 2.46 | 10 | 200 | 40 | 88 | 266 | 40 | 5.08 | 0.5 | | |
| KK19-105040 | | 2.00 | 2 | 44 | 10 | 42 | 80 | 12 | 1.57 | <0.5 | | |
| KK19-105041 | | 2.23 | 2 | 26 | 6 | 39 | 140 | 21 | 2.64 | <0.5 | | |
| KK19-105042 | | 2.21 | 4 | 40 | 10 | 60 | 225 | 31 | 4.12 | <0.5 | | |
| KK19-105043 | | 1.96 | 16 | 1030 | 96 | 274 | 544 | 38 | 3.90 | <0.5 | | |
| KK19-105044 | | 2.19 | 20 | 531 | 38 | 264 | 320 | 37 | 4.20 | <0.5 | | |
| KK19-105045 | | 2.22 | 9 | 149 | 19 | 120 | 285 | 32 | 3.62 | <0.5 | | |
| KK19-105046 | | 2.29 | 4 | 152 | 13 | 51 | 232 | 28 | 3.56 | <0.5 | | |
| KK19-105047 | | 2.20 | 11 | 142 | 16 | 137 | 256 | 36 | 4.51 | <0.5 | | |
| KK19-105048 | | 2.26 | 10 | 499 | 27 | 90 | 257 | 36 | 4.62 | 0.7 | | |
| KK19-105049 | | 2.24 | 15 | 68 | 12 | 148 | 242 | 40 | 4.87 | 0.6 | | |
| KK19-105050 | | 2.40 | 263 | 790 | 49 | 1345 | 769 | 55 | 4.71 | 1.1 | | |
| KK19-105051 | | 2.15 | 46 | 232 | 24 | 298 | 257 | 51 | 4.22 | 0.5 | | |
| KK19-105052 | | 1.75 | 10 | 146 | 14 | 117 | 88 | 20 | 1.68 | <0.5 | | |
| KK19-105053 | | 0.12 | 269 | 3350 | 763 | >10000 | >10000 | 994 | 4.04 | 4.8 | 16550 | 46500 |
| KK19-105054 | | 2.65 | <1 | 4 | <5 | 39 | 43 | 4 | 0.43 | <0.5 | | |
| KK19-105055 | | 2.05 | <1 | 1 | <5 | 68 | 35 | 26 | 2.66 | <0.5 | | |
| KK19-105056 | | 2.29 | <1 | <1 | <5 | 20 | 3 | 4 | 0.47 | <0.5 | | |
| KK19-105057 | | 2.14 | <1 | <1 | <5 | 15 | 5 | 7 | 0.73 | <0.5 | | |
| KK19-105058 | | 2.11 | <1 | <1 | <5 | 12 | 6 | 6 | 0.71 | <0.5 | | |
| KK19-105059 | | 2.10 | <1 | 61 | 7 | 38 | 11 | 5 | 0.48 | <0.5 | | |
| KK19-105060 | | 2.08 | <1 | <1 | <5 | 6 | 2 | 2 | 0.39 | <0.5 | | |
| KK19-105061 | | 2.20 | <1 | 3 | <5 | 7 | 5 | 3 | 0.41 | <0.5 | | |
| KK19-105062 | | 2.26 | <1 | 5 | <5 | 24 | 13 | 5 | 0.50 | <0.5 | | |
| KK19-105063 | | 2.03 | 1 | 65 | <5 | 18 | 5 | 4 | 0.36 | <0.5 | | |
| KK19-105064 | | 2.20 | 1 | 29 | <5 | 14 | 8 | 3 | 0.42 | <0.5 | | |
| KK19-105065 | | 3.22 | 2 | 29 | <5 | 30 | 18 | 4 | 0.41 | <0.5 | | |
| KK19-105066 | | 2.73 | 5 | 239 | 24 | 121 | 86 | 4 | 0.23 | <0.5 | | |
| KK19-105067 | | 2.83 | 3 | 17 | 6 | 112 | 169 | 45 | 3.93 | 0.6 | | |
| KK19-105068 | | 2.13 | 1 | 20 | <5 | 36 | 11 | 2 | 0.27 | <0.5 | | |
| KK19-105069 | | 2.21 | 2 | 40 | <5 | 101 | 18 | 7 | 0.54 | <0.5 | | |
| KK19-105070 | | 0.07 | 80 | 606 | 284 | 4550 | 4450 | 115 | 3.97 | 2.3 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 12-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19302027

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-DEC-2019**
**Account: MZI**

# CERTIFICATE TB19305490

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 2-DEC-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19305490

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104759 | | 2.24 | <1 | <1 | <5 | 4 | 1 | <1 | 12.25 | <0.5 | | |
| KK19-104760 | | 0.07 | 4520 | 2010 | 1280 | 88 | 86 | 63 | 0.26 | 0.8 | | |
| KK19-104761 | | 2.32 | 82 | 660 | 99 | 588 | 833 | 61 | 5.83 | <0.5 | | |
| KK19-104762 | | 2.23 | 28 | 221 | 51 | 344 | 523 | 65 | 7.15 | <0.5 | | |
| KK19-104763 | | 2.37 | 11 | 175 | 35 | 264 | 437 | 62 | 6.41 | <0.5 | | |
| KK19-104764 | | 2.22 | 8 | 72 | 17 | 167 | 336 | 54 | 5.90 | <0.5 | | |
| KK19-104765 | | 2.23 | 13 | 53 | 11 | 284 | 293 | 49 | 5.24 | <0.5 | | |
| KK19-104766 | | 2.25 | 9 | 46 | 12 | 148 | 250 | 46 | 4.72 | <0.5 | | |
| KK19-104767 | | 2.29 | 14 | 105 | 24 | 248 | 354 | 56 | 5.58 | <0.5 | | |
| KK19-104768 | | 2.36 | 9 | 65 | 15 | 203 | 334 | 59 | 5.90 | 0.6 | | |
| KK19-104769 | | 2.53 | 7 | 36 | 9 | 215 | 297 | 57 | 5.63 | 0.5 | | |
| KK19-104770 | | 2.52 | 15 | 281 | 65 | 194 | 543 | 74 | 9.16 | <0.5 | | |
| KK19-104771 | | 2.42 | 25 | 402 | 83 | 159 | 639 | 74 | 10.15 | <0.5 | | |
| KK19-104772 | | 2.46 | 18 | 360 | 93 | 150 | 571 | 66 | 8.74 | <0.5 | | |
| KK19-104773 | | 2.70 | 16 | 385 | 64 | 124 | 600 | 74 | 10.30 | <0.5 | | |
| KK19-104774 | | 2.25 | 28 | 882 | 189 | 177 | 634 | 70 | 9.54 | <0.5 | | |
| KK19-104775 | | 2.45 | 29 | 643 | 123 | 201 | 675 | 76 | 10.55 | <0.5 | | |
| KK19-104776 | | 2.47 | 73 | 660 | 119 | 463 | 929 | 87 | 11.30 | <0.5 | | |
| KK19-104777 | | 2.36 | 23 | 277 | 52 | 181 | 497 | 67 | 8.28 | <0.5 | | |
| KK19-104778 | | 2.43 | 10 | 31 | 5 | 161 | 304 | 59 | 5.84 | <0.5 | | |
| KK19-104779 | | 0.07 | 91 | 603 | 290 | 4420 | 4240 | 110 | 3.85 | 1.6 | | |
| KK19-104780 | | 2.71 | 22 | 42 | 10 | 332 | 343 | 64 | 5.93 | <0.5 | | |
| KK19-104781 | | 2.30 | 21 | 117 | 30 | 239 | 360 | 59 | 5.55 | <0.5 | | |
| KK19-104782 | | 2.36 | 14 | 53 | 12 | 173 | 281 | 55 | 5.43 | <0.5 | | |
| KK19-104783 | | 2.39 | 40 | 88 | 30 | 331 | 406 | 55 | 5.69 | <0.5 | | |
| KK19-104784 | | 2.11 | 46 | 111 | 26 | 343 | 447 | 49 | 5.16 | <0.5 | | |
| KK19-104785 | | 2.42 | 17 | 90 | 17 | 266 | 365 | 60 | 5.73 | <0.5 | | |
| KK19-104786 | | 2.23 | 41 | 153 | 36 | 589 | 471 | 53 | 5.22 | 0.6 | | |
| KK19-104787 | | 2.44 | 49 | 180 | 33 | 498 | 615 | 50 | 4.66 | <0.5 | | |
| KK19-104788 | | 2.45 | 46 | 310 | 44 | 633 | 629 | 64 | 5.43 | 0.5 | | |
| KK19-104789 | | 2.45 | 31 | 98 | 18 | 515 | 480 | 54 | 5.46 | 0.5 | | |
| KK19-104790 | | 2.47 | 32 | 202 | 27 | 699 | 462 | 53 | 5.43 | 0.6 | | |
| KK19-104791 | | 2.43 | 8 | 183 | 35 | 105 | 414 | 44 | 5.59 | <0.5 | | |
| KK19-104792 | | 2.59 | 67 | 437 | 87 | 517 | 610 | 64 | 6.75 | 0.6 | | |
| KK19-104793 | | 2.35 | 112 | 932 | 127 | 1170 | 1120 | 74 | 6.69 | 0.8 | | |
| KK19-104794 | | 2.30 | 50 | 1260 | 129 | 721 | 907 | 63 | 6.11 | 0.5 | | |
| KK19-104795 | | 2.40 | 293 | 1760 | 203 | 1530 | 1695 | 92 | 7.78 | 0.8 | | |
| KK19-104796 | | 2.39 | 118 | 457 | 123 | 549 | 704 | 58 | 6.64 | <0.5 | | |
| KK19-104797 | | 2.33 | 65 | 589 | 86 | 628 | 790 | 64 | 6.72 | <0.5 | | |
| KK19-104798 | | 2.43 | 153 | 1930 | 187 | 1390 | 1355 | 86 | 8.08 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19305490

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-104799 | | 2.02 | <1 | 2 | <5 | 3 | 4 | <1 | 11.85 | <0.5 | | |
| KK19-104800 | | 2.49 | 47 | 680 | 95 | 362 | 693 | 71 | 8.42 | 0.5 | | |
| KK19-104801 | | 2.46 | 64 | 900 | 116 | 800 | 903 | 67 | 7.12 | 0.9 | | |
| KK19-104802 | | 2.31 | 45 | 733 | 113 | 422 | 707 | 64 | 7.99 | <0.5 | | |
| KK19-104803 | | 2.43 | 184 | 1580 | 283 | 1665 | 1445 | 80 | 7.80 | 1.2 | | |
| KK19-104804 | | 2.37 | 25 | 361 | 82 | 207 | 566 | 55 | 6.82 | <0.5 | | |
| KK19-104805 | | 2.49 | 32 | 329 | 54 | 241 | 513 | 57 | 6.81 | <0.5 | | |
| KK19-104806 | | 2.49 | 44 | 204 | 49 | 391 | 581 | 53 | 5.88 | <0.5 | | |
| KK19-104807 | | 2.33 | 14 | 184 | 34 | 305 | 546 | 52 | 5.97 | <0.5 | | |
| KK19-104808 | | 2.58 | 11 | 359 | 49 | 137 | 665 | 60 | 7.40 | <0.5 | | |
| KK19-104809 | | 2.53 | 81 | 982 | 94 | 1070 | 1025 | 65 | 6.02 | 0.9 | | |
| KK19-104810 | | 2.46 | 142 | 605 | 51 | 727 | 746 | 53 | 5.54 | <0.5 | | |
| KK19-104811 | | 2.47 | 104 | 998 | 111 | 1605 | 1195 | 69 | 6.07 | 1.0 | | |
| KK19-104812 | | 2.27 | 127 | 790 | 99 | 1035 | 961 | 58 | 5.96 | 0.6 | | |
| KK19-104813 | | 2.41 | 128 | 525 | 126 | 922 | 905 | 61 | 6.82 | 0.5 | | |
| KK19-104814 | | 2.32 | 117 | 855 | 142 | 756 | 1070 | 71 | 7.94 | <0.5 | | |
| KK19-104815 | | 2.29 | 138 | 531 | 94 | 556 | 875 | 63 | 7.48 | <0.5 | | |
| KK19-104816 | | 2.45 | 76 | 570 | 103 | 755 | 760 | 57 | 6.59 | <0.5 | | |
| KK19-104817 | | 2.43 | 75 | 425 | 90 | 460 | 677 | 63 | 7.66 | <0.5 | | |
| KK19-104818 | | 2.34 | 53 | 666 | 99 | 442 | 794 | 71 | 8.35 | <0.5 | | |
| KK19-104819 | | 0.12 | 272 | 3450 | 810 | >10000 | >10000 | 956 | 3.97 | 3.9 | 16400 | 45700 |
| KK19-104820 | | 2.43 | 156 | 855 | 153 | 748 | 1225 | 78 | 8.58 | <0.5 | | |
| KK19-104821 | | 2.61 | 52 | 619 | 104 | 506 | 752 | 66 | 7.78 | <0.5 | | |
| KK19-104822 | | 2.77 | 30 | 792 | 131 | 213 | 676 | 66 | 9.00 | <0.5 | | |
| KK19-104823 | | 2.38 | 36 | 476 | 110 | 209 | 617 | 69 | 8.73 | <0.5 | | |
| KK19-104824 | | 2.35 | 73 | 759 | 82 | 539 | 644 | 75 | 7.75 | <0.5 | | |
| KK19-104825 | | 2.44 | 56 | 484 | 61 | 348 | 527 | 70 | 7.35 | <0.5 | | |
| KK19-104826 | | 2.41 | 25 | 70 | 17 | 279 | 498 | 70 | 6.94 | <0.5 | | |
| KK19-104827 | | 2.64 | 22 | 196 | 50 | 167 | 443 | 63 | 7.55 | <0.5 | | |
| KK19-104828 | | 2.38 | 66 | 301 | 46 | 385 | 589 | 62 | 6.89 | <0.5 | | |
| KK19-104829 | | 3.24 | 74 | 1040 | 121 | 495 | 690 | 72 | 8.19 | <0.5 | | |
| KK19-104830 | | 1.69 | 12 | 42 | 11 | 159 | 400 | 65 | 6.31 | <0.5 | | |
| KK19-104831 | | 2.35 | 6 | 57 | 15 | 102 | 344 | 61 | 6.19 | <0.5 | | |
| KK19-104832 | | 2.41 | 9 | 106 | 23 | 164 | 384 | 62 | 6.62 | <0.5 | | |
| KK19-104833 | | 2.46 | 9 | 40 | 9 | 264 | 409 | 65 | 5.60 | <0.5 | | |
| KK19-104834 | | 2.40 | 17 | 56 | 13 | 325 | 452 | 63 | 6.28 | <0.5 | | |
| KK19-104835 | | 2.34 | 26 | 353 | 26 | 547 | 659 | 67 | 6.05 | <0.5 | | |
| KK19-104836 | | 0.07 | 94 | 602 | 305 | 4720 | 4480 | 113 | 4.03 | 2.1 | | |

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

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 13-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19305490

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 15-DEC-2019**
**Account: MZI**

# CERTIFICATE TB19305492

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 2-DEC-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 15-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19305492

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104837 | | 2.23 | <1 | <1 | <5 | 1 | <1 | <1 | 12.10 | <0.5 | | |
| KK19-104838 | | 0.07 | 4900 | 2010 | 1280 | 92 | 88 | 65 | 0.27 | 0.5 | | |
| KK19-104839 | | 2.42 | 19 | 87 | 16 | 387 | 480 | 67 | 6.92 | <0.5 | | |
| KK19-104840 | | 2.21 | 14 | 122 | 31 | 251 | 504 | 72 | 7.15 | <0.5 | | |
| KK19-104841 | | 2.37 | 8 | 57 | 16 | 156 | 456 | 66 | 7.79 | <0.5 | | |
| KK19-104842 | | 2.38 | 29 | 52 | 7 | 176 | 394 | 59 | 6.60 | <0.5 | | |
| KK19-104843 | | 2.38 | 42 | 15 | <5 | 767 | 781 | 118 | 7.81 | <0.5 | | |
| KK19-104844 | | 2.36 | 10 | 47 | 6 | 250 | 474 | 65 | 5.83 | <0.5 | | |
| KK19-104845 | | 2.20 | 12 | 75 | 8 | 512 | 672 | 86 | 6.38 | <0.5 | | |
| KK19-104846 | | 2.69 | 17 | 16 | 6 | 268 | 392 | 57 | 4.89 | <0.5 | | |
| KK19-104847 | | 1.98 | 6 | 69 | 13 | 61 | 267 | 41 | 4.92 | <0.5 | | |
| KK19-104848 | | 2.22 | 14 | 121 | 21 | 118 | 347 | 50 | 5.82 | <0.5 | | |
| KK19-104849 | | 2.27 | 43 | 307 | 46 | 451 | 540 | 49 | 5.67 | <0.5 | | |
| KK19-104850 | | 2.19 | 130 | 583 | 105 | 678 | 741 | 52 | 5.44 | <0.5 | | |
| KK19-104851 | | 2.49 | 126 | 674 | 90 | 733 | 795 | 55 | 5.58 | <0.5 | | |
| KK19-104852 | | 2.29 | 16 | 152 | 27 | 133 | 352 | 43 | 5.18 | <0.5 | | |
| KK19-104853 | | 2.26 | 5 | 114 | 23 | 78 | 341 | 46 | 5.78 | <0.5 | | |
| KK19-104854 | | 2.22 | 11 | 58 | 14 | 226 | 444 | 62 | 6.60 | 0.5 | | |
| KK19-104855 | | 2.28 | 30 | 516 | 66 | 550 | 399 | 68 | 3.49 | <0.5 | | |
| KK19-104856 | | 2.28 | 3 | 12 | <5 | 108 | 200 | 50 | 4.43 | <0.5 | | |
| KK19-104857 | | 0.07 | 89 | 592 | 304 | 4630 | 4410 | 116 | 3.98 | 2.0 | | |
| KK19-104858 | | 2.24 | 10 | 10 | <5 | 209 | 304 | 56 | 4.51 | <0.5 | | |
| KK19-104859 | | 2.34 | 9 | 88 | 19 | 248 | 314 | 54 | 5.91 | <0.5 | | |
| KK19-104860 | | 2.25 | 4 | 8 | <5 | 118 | 362 | 55 | 6.59 | <0.5 | | |
| KK19-104861 | | 2.18 | 6 | 59 | 9 | 180 | 377 | 53 | 6.18 | 0.5 | | |
| KK19-104862 | | 2.27 | 5 | 5 | <5 | 250 | 463 | 58 | 6.11 | <0.5 | | |
| KK19-104863 | | 2.27 | 4 | 36 | 8 | 246 | 481 | 67 | 6.80 | <0.5 | | |
| KK19-104864 | | 2.20 | 6 | 11 | <5 | 195 | 363 | 54 | 5.42 | 0.8 | | |
| KK19-104865 | | 2.21 | 3 | 97 | 11 | 157 | 335 | 47 | 5.86 | <0.5 | | |
| KK19-104866 | | 2.27 | 3 | 98 | 21 | 88 | 266 | 43 | 4.95 | <0.5 | | |
| KK19-104867 | | 2.17 | 6 | 65 | 18 | 101 | 295 | 52 | 5.39 | <0.5 | | |
| KK19-104868 | | 2.21 | 7 | 50 | 12 | 78 | 238 | 44 | 4.92 | <0.5 | | |
| KK19-104869 | | 2.23 | 6 | 4 | <5 | 94 | 207 | 32 | 4.04 | <0.5 | | |
| KK19-104870 | | 2.17 | 19 | 54 | 10 | 239 | 310 | 52 | 4.92 | <0.5 | | |
| KK19-104871 | | 2.37 | 97 | 356 | 75 | 617 | 664 | 57 | 5.32 | <0.5 | | |
| KK19-104872 | | 2.25 | 98 | 224 | 54 | 539 | 553 | 58 | 5.19 | <0.5 | | |
| KK19-104873 | | 2.25 | 31 | 127 | 33 | 213 | 334 | 47 | 5.44 | <0.5 | | |
| KK19-104874 | | 2.27 | 32 | 122 | 29 | 230 | 335 | 58 | 5.96 | <0.5 | | |
| KK19-104875 | | 2.35 | 8 | 48 | 17 | 138 | 280 | 57 | 5.58 | <0.5 | | |
| KK19-104876 | | 2.62 | 18 | 66 | 12 | 349 | 286 | 47 | 3.89 | <0.5 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 15-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19305492

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104877 | | 2.22 | <1 | 1 | <5 | 2 | 1 | <1 | 11.40 | <0.5 | | |
| KK19-104878 | | 2.38 | 20 | 74 | 13 | 229 | 312 | 43 | 4.79 | <0.5 | | |
| KK19-104879 | | 2.36 | 18 | 109 | 23 | 260 | 370 | 53 | 5.62 | <0.5 | | |
| KK19-104880 | | 2.36 | 16 | 130 | 22 | 226 | 340 | 50 | 5.20 | <0.5 | | |
| KK19-104881 | | 2.42 | 11 | 25 | 6 | 206 | 390 | 55 | 5.89 | <0.5 | | |
| KK19-104882 | | 2.42 | 5 | 14 | 5 | 139 | 311 | 50 | 5.97 | <0.5 | | |
| KK19-104883 | | 2.68 | 12 | 36 | 14 | 240 | 316 | 55 | 5.70 | <0.5 | | |
| KK19-104884 | | 2.51 | 45 | 186 | 52 | 352 | 454 | 56 | 5.52 | <0.5 | | |
| KK19-104885 | | 2.44 | 39 | 250 | 74 | 266 | 380 | 50 | 5.23 | <0.5 | | |
| KK19-104886 | | 2.46 | 80 | 1780 | 659 | 626 | 662 | 68 | 5.74 | <0.5 | | |
| KK19-104887 | | 2.38 | 17 | 522 | 162 | 152 | 301 | 57 | 5.79 | <0.5 | | |
| KK19-104888 | | 2.52 | 24 | 156 | 42 | 180 | 308 | 52 | 5.19 | <0.5 | | |
| KK19-104889 | | 2.44 | 25 | 71 | 21 | 192 | 308 | 56 | 5.92 | <0.5 | | |
| KK19-104890 | | 2.55 | 14 | 39 | 16 | 140 | 266 | 52 | 5.68 | <0.5 | | |
| KK19-104891 | | 2.51 | 18 | 124 | 23 | 173 | 335 | 52 | 5.97 | <0.5 | | |
| KK19-104892 | | 2.53 | 15 | 39 | 13 | 159 | 286 | 47 | 5.18 | <0.5 | | |
| KK19-104893 | | 2.54 | 28 | 17 | 12 | 199 | 309 | 48 | 5.69 | <0.5 | | |
| KK19-104894 | | 2.50 | 47 | 112 | 41 | 217 | 405 | 53 | 5.53 | <0.5 | | |
| KK19-104895 | | 2.34 | 32 | 55 | 34 | 244 | 355 | 56 | 5.78 | <0.5 | | |
| KK19-104896 | | 2.42 | 30 | 110 | 26 | 214 | 332 | 49 | 5.32 | <0.5 | | |
| KK19-104897 | | 0.12 | 264 | 3380 | 798 | >10000 | >10000 | 1005 | 4.10 | 4.0 | 17000 | 47800 |
| KK19-104898 | | 2.51 | 21 | 71 | 18 | 168 | 333 | 50 | 5.22 | <0.5 | | |
| KK19-104899 | | 2.22 | 8 | 51 | 13 | 106 | 266 | 51 | 4.98 | <0.5 | | |
| KK19-104900 | | 2.49 | 8 | 31 | 7 | 238 | 249 | 58 | 4.27 | <0.5 | | |
| KK19-104901 | | 2.42 | 9 | 20 | 5 | 158 | 203 | 52 | 4.18 | <0.5 | | |
| KK19-104902 | | 2.53 | 9 | 60 | 12 | 131 | 242 | 55 | 4.91 | <0.5 | | |
| KK19-104903 | | 2.59 | 4 | 32 | <5 | 97 | 196 | 44 | 4.08 | <0.5 | | |
| KK19-104904 | | 2.48 | 35 | 10 | <5 | 329 | 166 | 39 | 3.64 | <0.5 | | |
| KK19-104905 | | 2.50 | 10 | 6 | <5 | 161 | 169 | 42 | 3.72 | <0.5 | | |
| KK19-104906 | | 2.40 | 6 | 33 | 9 | 141 | 215 | 50 | 4.27 | <0.5 | | |
| KK19-104907 | | 2.47 | 4 | 31 | 7 | 134 | 264 | 61 | 5.26 | <0.5 | | |
| KK19-104908 | | 2.46 | 4 | 29 | 10 | 158 | 252 | 53 | 4.56 | <0.5 | | |
| KK19-104909 | | 2.49 | 10 | 52 | 12 | 181 | 311 | 61 | 5.58 | <0.5 | | |
| KK19-104910 | | 2.68 | 7 | 33 | 9 | 124 | 264 | 63 | 5.36 | <0.5 | | |
| KK19-104911 | | 2.15 | <1 | 9 | 7 | 213 | 266 | 63 | 5.52 | <0.5 | | |
| KK19-104912 | | 2.58 | 12 | 35 | 8 | 178 | 253 | 56 | 5.16 | <0.5 | | |
| KK19-104913 | | 2.48 | 25 | 374 | 77 | 348 | 652 | 61 | 5.31 | <0.5 | | |
| KK19-104914 | | 0.07 | 91 | 613 | 294 | 4590 | 4470 | 114 | 4.04 | 1.9 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 15-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19305492

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-DEC-2019**
**Account: MZI**

# CERTIFICATE TB19312071

Project: 18-101

P.O. No.: 182449

This report is for 9 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 9-DEC-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19312071

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 |
| KK19-105305 | | 1.33 | <1 | 1 | <5 | 3 | 4 | 1 | 11.55 | <0.5 |
| KK19-105306 | | 0.07 | 4710 | 2080 | 1310 | 91 | 90 | 64 | 0.27 | 0.8 |
| KK19-105307 | | 2.71 | 2 | 89 | 14 | 110 | 235 | 50 | 3.95 | <0.5 |
| KK19-105308 | | 2.29 | 6 | 62 | 9 | 120 | 221 | 57 | 4.38 | <0.5 |
| KK19-105309 | | 2.89 | 3 | 9 | <5 | 79 | 136 | 47 | 4.04 | <0.5 |
| KK19-105310 | | 2.05 | 11 | 5 | <5 | 73 | 33 | 10 | 0.94 | <0.5 |
| KK19-105311 | | 1.41 | 1 | 9 | <5 | 49 | 34 | 11 | 0.91 | <0.5 |
| KK19-105312 | | 1.67 | 1 | 59 | <5 | 40 | 59 | 10 | 0.82 | <0.5 |
| KK19-105313 | | 2.38 | 17 | 188 | 31 | 161 | 250 | 35 | 3.39 | <0.5 |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 22-DEC-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19312071

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | |
|---|---|---|
| | ME-ICP61 | PGM-ICP23 |

ALS Canada Ltd.

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

To: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-FEB-2020**
**Account: MZI**

# CERTIFICATE TB20013961

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-JAN-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-FEB-2020**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB20013961

| Sample Description | Method Analyte Units LOD | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppb 1 | PGM-ICP23 Pd ppb 1 | PGM-ICP23 Pt ppb 5 | ME-ICP61 Cu ppm 1 | ME-ICP61 Ni ppm 1 | ME-ICP61 Co ppm 1 | ME-ICP61 Mg % 0.01 | ME-ICP61 Ag ppm 0.5 | Cu-OG62 Cu ppm 10 | Ni-OG62 Ni ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KK19-105149 | | 2.11 | <1 | 1 | <5 | 1 | 2 | <1 | 12.50 | <0.5 | | |
| KK19-105150 | | 0.07 | 4840 | 2050 | 1310 | 92 | 87 | 64 | 0.26 | 0.8 | | |
| KK19-105151 | | 2.35 | <1 | 16 | <5 | 48 | 16 | 6 | 0.52 | <0.5 | | |
| KK19-105152 | | 2.29 | <1 | 4 | <5 | 28 | 3 | 4 | 0.32 | <0.5 | | |
| KK19-105153 | | 2.30 | <1 | <1 | <5 | 31 | 2 | 3 | 0.36 | <0.5 | | |
| KK19-105154 | | 2.20 | <1 | <1 | <5 | 18 | 3 | 3 | 0.34 | <0.5 | | |
| KK19-105155 | | 2.27 | <1 | <1 | <5 | 22 | 1 | 2 | 0.34 | <0.5 | | |
| KK19-105156 | | 2.26 | <1 | <1 | <5 | 19 | 1 | 3 | 0.31 | <0.5 | | |
| KK19-105157 | | 2.64 | <1 | <1 | <5 | 12 | 2 | 5 | 0.46 | <0.5 | | |
| KK19-105158 | | 2.52 | <1 | <1 | <5 | 12 | 2 | 3 | 0.44 | <0.5 | | |
| KK19-105159 | | 2.39 | <1 | <1 | <5 | 20 | 1 | 4 | 0.34 | <0.5 | | |
| KK19-105160 | | 2.39 | <1 | <1 | <5 | 41 | 1 | 4 | 0.31 | <0.5 | | |
| KK19-105161 | | 2.26 | <1 | <1 | <5 | 79 | 3 | 9 | 0.55 | <0.5 | | |
| KK19-105162 | | 2.09 | <1 | <1 | <5 | 29 | 5 | 3 | 0.44 | <0.5 | | |
| KK19-105163 | | 2.01 | <1 | <1 | <5 | 15 | 7 | 4 | 0.59 | <0.5 | | |
| KK19-105164 | | 2.17 | 3 | 1 | <5 | 69 | 26 | 11 | 0.89 | <0.5 | | |
| KK19-105165 | | 2.18 | <1 | <1 | <5 | 54 | 8 | 8 | 0.66 | <0.5 | | |
| KK19-105166 | | 2.33 | <1 | 1 | <5 | 295 | 64 | 40 | 1.90 | <0.5 | | |
| KK19-105167 | | 2.24 | <1 | 14 | <5 | 173 | 90 | 46 | 2.63 | 0.5 | | |
| KK19-105168 | | 2.15 | <1 | 1 | <5 | 146 | 117 | 56 | 3.31 | <0.5 | | |
| KK19-105169 | | 0.07 | 53 | 611 | 321 | 4620 | 4450 | 113 | 3.96 | 2.0 | | |
| KK19-105170 | | 2.15 | <1 | 15 | <5 | 104 | 75 | 22 | 1.68 | <0.5 | | |
| KK19-105171 | | 2.18 | <1 | 11 | <5 | 105 | 98 | 34 | 1.77 | <0.5 | | |
| KK19-105172 | | 2.33 | <1 | <1 | <5 | 104 | 18 | 18 | 0.95 | <0.5 | | |
| KK19-105173 | | 2.21 | <1 | <1 | <5 | 165 | 11 | 11 | 0.75 | <0.5 | | |
| KK19-105174 | | 2.07 | <1 | <1 | <5 | 82 | 4 | 6 | 0.52 | <0.5 | | |
| KK19-105175 | | 2.67 | <1 | 1 | <5 | 18 | 2 | 5 | 0.58 | <0.5 | | |
| KK19-105176 | | 2.55 | <1 | 3 | <5 | 39 | 13 | 10 | 0.98 | <0.5 | | |
| KK19-105177 | | 1.62 | <1 | <1 | <5 | 63 | 19 | 14 | 1.08 | <0.5 | | |
| KK19-105178 | | 1.63 | <1 | 1 | <5 | 58 | 22 | 13 | 1.11 | <0.5 | | |
| KK19-105179 | | 2.14 | <1 | 3 | <5 | 20 | 57 | 25 | 2.30 | <0.5 | | |
| KK19-105180 | | 2.11 | <1 | 4 | <5 | 70 | 74 | 27 | 2.25 | <0.5 | | |
| KK19-105181 | | 2.08 | <1 | 11 | 5 | 52 | 82 | 25 | 2.10 | <0.5 | | |
| KK19-105182 | | 2.40 | <1 | <1 | <5 | 43 | 26 | 15 | 1.32 | <0.5 | | |
| KK19-105183 | | 1.86 | <1 | 1 | <5 | 58 | 40 | 13 | 0.92 | <0.5 | | |
| KK19-105184 | | 2.09 | <1 | <1 | <5 | 13 | 10 | 7 | 0.91 | <0.5 | | |
| KK19-105185 | | 2.27 | <1 | <1 | <5 | 37 | 29 | 15 | 1.15 | <0.5 | | |
| KK19-105186 | | 2.26 | <1 | <1 | <5 | 20 | 44 | 20 | 1.61 | <0.5 | | |
| KK19-105187 | | 2.28 | 1 | 3 | <5 | 48 | 81 | 23 | 1.76 | <0.5 | | |
| KK19-105188 | | 2.24 | <1 | 18 | <5 | 60 | 72 | 31 | 1.60 | <0.5 | | |

***** 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: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-FEB-2020**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB20013961

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-105189 | | 0.83 | <1 | <1 | <5 | <1 | <1 | <1 | 12.60 | <0.5 | | |
| KK19-105190 | | 2.27 | <1 | 5 | <5 | 53 | 49 | 15 | 1.27 | <0.5 | | |
| KK19-105191 | | 2.31 | <1 | <1 | <5 | 114 | 10 | 12 | 0.74 | <0.5 | | |
| KK19-105192 | | 2.28 | <1 | 2 | <5 | 16 | 14 | 9 | 0.84 | <0.5 | | |
| KK19-105193 | | 2.08 | 3 | 21 | <5 | 167 | 43 | 14 | 0.69 | <0.5 | | |
| KK19-105194 | | 2.10 | 29 | 158 | 26 | 479 | 473 | 25 | 1.26 | 0.5 | | |
| KK19-105195 | | 2.25 | 5 | 75 | 14 | 318 | 201 | 24 | 1.14 | <0.5 | | |
| KK19-105196 | | 2.12 | 1 | 13 | <5 | 113 | 66 | 21 | 1.62 | <0.5 | | |
| KK19-105197 | | 2.08 | 14 | 333 | 24 | 95 | 136 | 23 | 1.32 | <0.5 | | |
| KK19-105198 | | 2.17 | 14 | 275 | 26 | 78 | 108 | 20 | 1.29 | <0.5 | | |
| KK19-105199 | | 2.17 | 1 | 13 | <5 | 46 | 24 | 8 | 0.68 | <0.5 | | |
| KK19-105200 | | 2.19 | <1 | <1 | <5 | 33 | 9 | 3 | 0.46 | <0.5 | | |
| KK19-105201 | | 2.09 | <1 | <1 | <5 | 6 | 10 | 4 | 0.44 | <0.5 | | |
| KK19-105202 | | 2.20 | <1 | <1 | <5 | 13 | 8 | 3 | 0.44 | <0.5 | | |
| KK19-105203 | | 2.15 | <1 | <1 | <5 | 8 | 9 | 3 | 0.44 | <0.5 | | |
| KK19-105204 | | 2.12 | <1 | <1 | <5 | 2 | 9 | 3 | 0.44 | <0.5 | | |
| KK19-105205 | | 2.10 | <1 | <1 | <5 | 2 | 8 | 4 | 0.45 | <0.5 | | |
| KK19-105206 | | 1.95 | <1 | <1 | <5 | 18 | 9 | 3 | 0.47 | <0.5 | | |
| KK19-105207 | | 1.55 | 2 | 240 | 43 | 268 | 290 | 24 | 1.44 | 1.2 | | |
| KK19-105208 | | 2.16 | 3 | 42 | <5 | 216 | 128 | 41 | 3.35 | <0.5 | | |
| KK19-105209 | | 0.08 | 238 | 3480 | 774 | >10000 | >10000 | 1000 | 4.13 | 4.4 | 15800 | 45200 |
| KK19-105210 | | 1.69 | 2 | 3 | <5 | 140 | 151 | 50 | 4.09 | <0.5 | | |
| KK19-105211 | | 1.90 | <1 | <1 | <5 | 165 | 85 | 34 | 2.98 | <0.5 | | |
| KK19-105212 | | 2.26 | 3 | 99 | 14 | 84 | 78 | 14 | 0.88 | <0.5 | | |
| KK19-105213 | | 2.49 | 43 | 1300 | 102 | 419 | 690 | 25 | 0.73 | 0.5 | | |
| KK19-105214 | | 1.81 | 26 | 881 | 66 | 264 | 470 | 28 | 1.44 | <0.5 | | |
| KK19-105215 | | 1.86 | 2 | 7 | <5 | 105 | 30 | 11 | 0.89 | <0.5 | | |
| KK19-105216 | | 1.95 | 1 | 19 | <5 | 81 | 29 | 9 | 0.63 | <0.5 | | |
| KK19-105217 | | 1.95 | <1 | 3 | <5 | 66 | 43 | 22 | 1.84 | <0.5 | | |
| KK19-105218 | | 2.19 | <1 | 5 | <5 | 61 | 29 | 15 | 1.20 | <0.5 | | |
| KK19-105219 | | 1.89 | <1 | 20 | <5 | 68 | 65 | 11 | 1.00 | <0.5 | | |
| KK19-105220 | | 1.90 | 7 | 49 | 8 | 87 | 83 | 19 | 1.51 | <0.5 | | |
| KK19-105221 | | 2.08 | 1 | 3 | <5 | 63 | 36 | 15 | 1.34 | <0.5 | | |
| KK19-105222 | | 2.18 | 1 | 10 | <5 | 77 | 47 | 23 | 1.88 | <0.5 | | |
| KK19-105223 | | 1.96 | 5 | 81 | 10 | 114 | 81 | 34 | 2.54 | <0.5 | | |
| KK19-105224 | | 1.88 | 9 | 233 | 15 | 155 | 83 | 24 | 1.51 | <0.5 | | |
| KK19-105225 | | 2.44 | 8 | 24 | <5 | 206 | 74 | 31 | 2.10 | <0.5 | | |
| KK19-105226 | | 0.07 | 89 | 610 | 301 | 4500 | 4430 | 115 | 3.89 | 1.8 | | |

***** 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: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 7-FEB-2020**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB20013961

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

ALS Canada Ltd.

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

To: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 3-FEB-2020**
**Account: MZI**

# CERTIFICATE TB20013964

Project: 18-101

P.O. No.: 182449

This report is for 78 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-JAN-2020.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>LDIM WEBTRIEVE |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 3-FEB-2020**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB20013964

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-105227 | | 1.01 | <1 | 1 | <5 | 4 | 4 | 2 | 11.80 | <0.5 | | |
| KK19-105228 | | 0.07 | 4710 | 2030 | 1290 | 85 | 82 | 61 | 0.25 | 0.8 | | |
| KK19-105229 | | 3.30 | 15 | 117 | 9 | 142 | 71 | 25 | 1.82 | <0.5 | | |
| KK19-105230 | | 3.43 | 3 | 11 | <5 | 110 | 116 | 40 | 2.86 | <0.5 | | |
| KK19-105231 | | 3.26 | 5 | 247 | 12 | 216 | 182 | 45 | 3.25 | <0.5 | | |
| KK19-105232 | | 2.73 | 4 | 67 | 7 | 187 | 91 | 57 | 4.19 | <0.5 | | |
| KK19-105233 | | 2.54 | 5 | 38 | <5 | 184 | 80 | 52 | 3.78 | <0.5 | | |
| KK19-105234 | | 2.61 | 3 | 13 | <5 | 171 | 55 | 30 | 1.80 | <0.5 | | |
| KK19-105235 | | 2.37 | 2 | 15 | <5 | 139 | 114 | 42 | 2.93 | <0.5 | | |
| KK19-105236 | | 3.02 | 7 | 148 | 20 | 269 | 223 | 45 | 3.13 | <0.5 | | |
| KK19-105237 | | 1.95 | 15 | 312 | 27 | 226 | 142 | 21 | 1.20 | <0.5 | | |
| KK19-105238 | | 2.38 | 4 | 74 | 6 | 79 | 37 | 10 | 0.63 | <0.5 | | |
| KK19-105239 | | 2.27 | 3 | 76 | <5 | 54 | 56 | 11 | 0.70 | <0.5 | | |
| KK19-105240 | | 2.45 | 4 | 29 | <5 | 102 | 17 | 13 | 0.67 | <0.5 | | |
| KK19-105241 | | 2.29 | 1 | 3 | <5 | 52 | 8 | 6 | 0.55 | <0.5 | | |
| KK19-105242 | | 2.50 | <1 | 2 | <5 | 47 | 9 | 5 | 0.41 | <0.5 | | |
| KK19-105243 | | 2.49 | 1 | 3 | <5 | 125 | 129 | 36 | 3.05 | <0.5 | | |
| KK19-105244 | | 2.05 | <1 | 4 | <5 | 55 | 117 | 34 | 3.04 | <0.5 | | |
| KK19-105245 | | 2.04 | <1 | 1 | <5 | 94 | 48 | 22 | 1.60 | <0.5 | | |
| KK19-105246 | | 2.12 | <1 | <1 | <5 | 78 | 52 | 30 | 1.87 | <0.5 | | |
| KK19-105247 | | 0.07 | 91 | 598 | 295 | 4590 | 4410 | 119 | 4.05 | 2.0 | | |
| KK19-105248 | | 2.14 | 1 | 4 | <5 | 95 | 57 | 33 | 1.82 | <0.5 | | |
| KK19-105249 | | 2.04 | 4 | 104 | 9 | 61 | 38 | 17 | 0.83 | <0.5 | | |
| KK19-105250 | | 2.11 | <1 | 2 | <5 | 29 | 10 | 16 | 0.94 | <0.5 | | |
| KK19-105251 | | 2.14 | <1 | <1 | <5 | 50 | 10 | 15 | 1.01 | <0.5 | | |
| KK19-105252 | | 2.27 | <1 | 1 | <5 | 85 | 60 | 31 | 2.53 | <0.5 | | |
| KK19-105253 | | 2.25 | <1 | 1 | <5 | 70 | 37 | 26 | 2.16 | <0.5 | | |
| KK19-105254 | | 1.66 | <1 | 1 | <5 | 43 | 14 | 13 | 1.37 | <0.5 | | |
| KK19-105255 | | 2.03 | <1 | <1 | <5 | 73 | 10 | 12 | 1.05 | <0.5 | | |
| KK19-105256 | | 2.02 | <1 | <1 | <5 | 28 | 20 | 14 | 1.20 | <0.5 | | |
| KK19-105257 | | 2.30 | <1 | 1 | <5 | 157 | 89 | 42 | 3.28 | <0.5 | | |
| KK19-105258 | | 2.14 | <1 | 2 | <5 | 138 | 92 | 45 | 3.69 | <0.5 | | |
| KK19-105259 | | 2.00 | <1 | <1 | <5 | 34 | 14 | 13 | 0.95 | <0.5 | | |
| KK19-105260 | | 1.57 | <1 | <1 | <5 | 29 | 12 | 9 | 0.75 | <0.5 | | |
| KK19-105261 | | 1.70 | 5 | 1 | <5 | 90 | 59 | 33 | 2.14 | <0.5 | | |
| KK19-105262 | | 2.37 | <1 | 83 | 12 | 84 | 42 | 14 | 1.11 | <0.5 | | |
| KK19-105263 | | 2.42 | <1 | 34 | 6 | 46 | 33 | 16 | 1.28 | <0.5 | | |
| KK19-105264 | | 2.13 | <1 | 1 | <5 | 30 | 12 | 10 | 0.94 | <0.5 | | |
| KK19-105265 | | 2.09 | 1 | 9 | <5 | 75 | 17 | 11 | 0.77 | <0.5 | | |
| KK19-105266 | | 2.13 | 1 | 18 | <5 | 44 | 14 | 8 | 0.93 | <0.5 | | |

***** 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: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 3-FEB-2020**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB20013964

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-105267 | | 0.92 | <1 | <1 | <5 | 4 | 3 | 1 | 12.30 | <0.5 | | |
| KK19-105268 | | 2.03 | <1 | 4 | <5 | 100 | 19 | 12 | 0.84 | <0.5 | | |
| KK19-105269 | | 2.27 | <1 | 2 | <5 | 120 | 17 | 9 | 0.68 | <0.5 | | |
| KK19-105270 | | 2.09 | 4 | 100 | 23 | 171 | 158 | 39 | 2.77 | <0.5 | | |
| KK19-105271 | | 2.03 | 3 | 51 | 14 | 143 | 118 | 28 | 1.80 | <0.5 | | |
| KK19-105272 | | 2.06 | 3 | 27 | 5 | 129 | 50 | 14 | 0.73 | <0.5 | | |
| KK19-105273 | | 2.19 | 4 | 39 | <5 | 238 | 66 | 19 | 1.03 | <0.5 | | |
| KK19-105274 | | 2.16 | <1 | 25 | 5 | 76 | 91 | 26 | 2.05 | <0.5 | | |
| KK19-105275 | | 2.25 | <1 | 4 | <5 | 51 | 38 | 16 | 1.29 | <0.5 | | |
| KK19-105276 | | 2.11 | <1 | 1 | <5 | 8 | 17 | 10 | 0.92 | <0.5 | | |
| KK19-105277 | | 2.21 | <1 | 6 | <5 | 91 | 21 | 14 | 1.00 | <0.5 | | |
| KK19-105278 | | 2.12 | <1 | 5 | <5 | 46 | 58 | 22 | 1.86 | <0.5 | | |
| KK19-105279 | | 2.15 | <1 | 31 | 7 | 84 | 86 | 29 | 1.90 | <0.5 | | |
| KK19-105280 | | 2.19 | <1 | 1 | <5 | 72 | 27 | 15 | 1.23 | <0.5 | | |
| KK19-105281 | | 2.30 | <1 | 2 | <5 | 32 | 19 | 13 | 1.16 | <0.5 | | |
| KK19-105282 | | 2.12 | <1 | 1 | <5 | 23 | 11 | 9 | 1.17 | <0.5 | | |
| KK19-105283 | | 2.70 | 1 | 14 | 5 | 21 | 21 | 9 | 1.02 | <0.5 | | |
| KK19-105284 | | 2.24 | 1 | 3 | <5 | 41 | 20 | 14 | 1.05 | <0.5 | | |
| KK19-105285 | | 2.31 | <1 | 2 | <5 | 43 | 23 | 17 | 1.35 | <0.5 | | |
| KK19-105286 | | 2.00 | 2 | 25 | 5 | 93 | 32 | 18 | 1.27 | <0.5 | | |
| KK19-105287 | | 0.08 | 225 | 3380 | 826 | >10000 | >10000 | 985 | 4.06 | 4.2 | 16100 | 45500 |
| KK19-105288 | | 1.96 | 3 | 9 | <5 | 88 | 50 | 20 | 0.89 | <0.5 | | |
| KK19-105289 | | 1.87 | <1 | 4 | <5 | 83 | 81 | 32 | 2.61 | <0.5 | | |
| KK19-105290 | | 2.11 | <1 | <1 | <5 | 61 | 26 | 16 | 1.14 | <0.5 | | |
| KK19-105291 | | 1.91 | <1 | 26 | 6 | 65 | 44 | 17 | 1.14 | <0.5 | | |
| KK19-105292 | | 1.70 | 3 | 160 | 40 | 220 | 181 | 23 | 1.05 | <0.5 | | |
| KK19-105293 | | 1.63 | 4 | 1 | <5 | 200 | 21 | 20 | 1.00 | <0.5 | | |
| KK19-105294 | | 2.77 | 2 | 1 | <5 | 3840 | 18 | 12 | 0.98 | 1.0 | | |
| KK19-105295 | | 2.00 | <1 | 1 | <5 | 41 | 24 | 11 | 0.85 | <0.5 | | |
| KK19-105296 | | 1.99 | <1 | <1 | <5 | 37 | 23 | 12 | 0.87 | <0.5 | | |
| KK19-105297 | | 3.08 | <1 | 1 | <5 | 28 | 29 | 14 | 1.12 | <0.5 | | |
| KK19-105298 | | 2.99 | 1 | 1 | <5 | 37 | 21 | 13 | 1.00 | <0.5 | | |
| KK19-105299 | | 2.95 | 3 | <1 | <5 | 72 | 98 | 42 | 3.27 | <0.5 | | |
| KK19-105300 | | 3.06 | <1 | 1 | <5 | 68 | 131 | 49 | 3.97 | <0.5 | | |
| KK19-105301 | | 3.14 | 1 | 1 | <5 | 65 | 141 | 47 | 4.22 | <0.5 | | |
| KK19-105302 | | 2.38 | <1 | 6 | <5 | 106 | 143 | 47 | 3.99 | <0.5 | | |
| KK19-105303 | | 2.52 | <1 | 1 | <5 | 71 | 136 | 50 | 3.94 | <0.5 | | |
| KK19-105304 | | 0.07 | 68 | 588 | 304 | 4380 | 4220 | 112 | 3.86 | 2.0 | | |

***** 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: **IMPALA CANADA LTD.**
**BUSINESS NUMBER 131081184**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 3-FEB-2020**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB20013964

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

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

To: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

# CERTIFICATE TB19278463

Project: 18-101

P.O. No.: 182449

This report is for 40 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 4-NOV-2019.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| MATT BODNAR<br>DENIS DECHARTE<br>LDIM WEBTRIEVE | KAITLYN CHOVANCAK<br>CLAIRE MCGUINNESS | SAM DAVIES<br>DAVE PECK |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| CRU-32 | Fine Crushing 90% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-35 | Pulv 250 g Split to 95%<106 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| ME-OG62 | Ore Grade Elements - Four Acid | ICP-AES |
| Cu-OG62 | Ore Grade Cu - Four Acid | |
| Ni-OG62 | Ore Grade Ni - Four Acid | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |
| 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19278463

| Sample Description | Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | Cu-OG62 | Ni-OG62 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Pd | Pt | Cu | Ni | Co | Mg | Ag | Cu | Ni |
| | Units | kg | ppb | ppb | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.02 | 1 | 1 | 5 | 1 | 1 | 1 | 0.01 | 0.5 | 10 | 10 |
| KK19-104485 | | 1.88 | 18 | 258 | 69 | 95 | 295 | 39 | 5.05 | <0.5 | | |
| KK19-104486 | | 1.42 | 16 | 313 | 82 | 95 | 326 | 42 | 5.48 | <0.5 | | |
| KK19-104487 | | 2.66 | <1 | <1 | <5 | 1 | <1 | <1 | 11.25 | <0.5 | | |
| KK19-104488 | | 1.56 | 14 | 199 | 64 | 102 | 290 | 40 | 4.92 | <0.5 | | |
| KK19-104489 | | 2.31 | 10 | 189 | 63 | 100 | 297 | 38 | 4.93 | <0.5 | | |
| KK19-104490 | | 2.32 | 16 | 288 | 64 | 142 | 329 | 39 | 4.85 | <0.5 | | |
| KK19-104491 | | 2.15 | 16 | 114 | 59 | 138 | 254 | 32 | 3.77 | <0.5 | | |
| KK19-104492 | | 2.45 | 22 | 342 | 82 | 159 | 268 | 34 | 3.85 | <0.5 | | |
| KK19-104493 | | 2.26 | 30 | 172 | 28 | 278 | 173 | 39 | 3.09 | <0.5 | | |
| KK19-104494 | | 2.24 | 31 | 388 | 73 | 237 | 385 | 41 | 4.58 | <0.5 | | |
| KK19-104495 | | 1.94 | 57 | 1310 | 143 | 610 | 1250 | 60 | 4.75 | <0.5 | | |
| KK19-104496 | | 1.72 | 19 | 188 | 64 | 140 | 258 | 32 | 4.07 | 0.5 | | |
| KK19-104497 | | 0.98 | 24 | 301 | 72 | 116 | 318 | 35 | 4.12 | <0.5 | | |
| KK19-104498 | | 0.65 | 16 | 163 | 60 | 139 | 281 | 32 | 3.95 | <0.5 | | |
| KK19-104499 | | 1.04 | 15 | 125 | 56 | 113 | 248 | 30 | 3.82 | <0.5 | | |
| KK19-104500 | | 1.83 | 17 | 147 | 70 | 135 | 220 | 26 | 3.15 | <0.5 | | |
| KK19-104501 | | 2.39 | 18 | 495 | 118 | 127 | 450 | 58 | 7.40 | <0.5 | | |
| KK19-104502 | | 2.42 | 34 | 545 | 162 | 127 | 433 | 47 | 5.72 | <0.5 | | |
| KK19-104503 | | 2.48 | 13 | 181 | 65 | 112 | 268 | 32 | 4.24 | <0.5 | | |
| KK19-104504 | | 2.27 | 17 | 402 | 109 | 79 | 412 | 49 | 6.90 | <0.5 | | |
| KK19-104505 | | 2.20 | 11 | 368 | 64 | 82 | 563 | 65 | 9.05 | <0.5 | | |
| KK19-104506 | | 2.25 | 11 | 190 | 43 | 106 | 478 | 61 | 8.30 | <0.5 | | |
| KK19-104507 | | 0.11 | 258 | 3470 | 817 | >10000 | >10000 | 985 | 4.02 | 4.3 | 15950 | 44700 |
| KK19-104508 | | 2.21 | 8 | 208 | 46 | 107 | 487 | 60 | 8.16 | <0.5 | | |
| KK19-104509 | | 2.52 | 4 | 172 | 36 | 85 | 366 | 47 | 6.10 | <0.5 | | |
| KK19-104510 | | 2.23 | 3 | 197 | 48 | 86 | 398 | 49 | 6.94 | <0.5 | | |
| KK19-104511 | | 2.35 | 9 | 378 | 78 | 111 | 465 | 53 | 7.36 | <0.5 | | |
| KK19-104512 | | 2.28 | 40 | 324 | 61 | 116 | 417 | 54 | 6.91 | <0.5 | | |
| KK19-104513 | | 2.58 | 16 | 741 | 178 | 125 | 373 | 39 | 4.61 | <0.5 | | |
| KK19-104514 | | 2.46 | 6 | 248 | 68 | 83 | 331 | 36 | 4.50 | <0.5 | | |
| KK19-104515 | | 2.34 | 144 | 172 | 35 | 210 | 246 | 38 | 3.53 | <0.5 | | |
| KK19-104516 | | 2.41 | 25 | 429 | 118 | 238 | 492 | 59 | 6.31 | <0.5 | | |
| KK19-104517 | | 2.32 | 111 | 382 | 62 | 1900 | 650 | 51 | 5.69 | 0.8 | | |
| KK19-104518 | | 2.25 | 9 | 481 | 87 | 117 | 351 | 43 | 5.42 | <0.5 | | |
| KK19-104519 | | 2.24 | 8 | 196 | 64 | 87 | 300 | 42 | 4.99 | <0.5 | | |
| KK19-104520 | | 2.29 | 10 | 178 | 56 | 117 | 299 | 41 | 5.20 | 0.5 | | |
| KK19-104521 | | 2.39 | 10 | 145 | 53 | 92 | 287 | 38 | 4.96 | <0.5 | | |
| KK19-104522 | | 2.34 | 12 | 200 | 60 | 103 | 299 | 39 | 5.15 | <0.5 | | |
| KK19-104523 | | 2.28 | 11 | 179 | 54 | 121 | 235 | 34 | 4.30 | <0.5 | | |
| KK19-104524 | | 0.07 | 83 | 616 | 330 | 4610 | 4410 | 113 | 3.91 | 1.8 | | |

***** 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: **LAC DES ILES MINES LTD. (NAP)**
**556 TENTH AVE**
**THUNDER BAY ON P7B 2R2**


**Finalized Date: 28-NOV-2019**
**Account: MZI**

Project: 18-101

# CERTIFICATE OF ANALYSIS TB19278463

## CERTIFICATE COMMENTS

### LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

| Applies to Method: | | | | |
|---|---|---|---|---|
| | CRU-32 | CRU-QC | LOG-21 | LOG-23 |
| | PUL-35 | PUL-QC | SPL-21 | WEI-21 |

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| Applies to Method: | | | | |
|---|---|---|---|---|
| | Cu-OG62 | ME-ICP61 | ME-OG62 | Ni-OG62 |
| | PGM-ICP23 | | | |

# Appendix E: Rock Codes

| Lithology Code | Rock Name | Mineral Code | Mineral Name | Alteration Code | Alteration Name |
|---|---|---|---|---|---|
| **ANOR** | Anorthosite | **Bio/Bt** | Biotite | **Act** | Actinolite |
| **DIKE** | Dike | **Cpx** | Clinopyroxene | **Cal** | Calcite |
| **EGAB** | Equigranular Gabbro | **Cpy/Cp/Ccp** | Chalcopyrite | **Carb** | Carbonate |
| **GAB** | Gabbro | **Mt/Mag** | Magnetite | **Chl** | Chlorite |
| **GAB-Bx/GABBX** | Brecciated Gabbro | **Ol** | Olivine | **Ep** | Epidote |
| **GABMG** | Medium-grained Gabbro | **Opx** | Orthopyroxene | **Fe** | Iron |
| **GAB-Vt/GABVT** | Varitextured Gabbro | **Plag/Plg** | Plagioclase | **Hem** | Hematite |
| **GBNR** | Gabbronorite | **Po/Pyrr** | Pyrrhotite | **K** | Potassium |
| **LC** | Lost Core | **Py/Pyr** | Pyrite | **Na** | Sodium |
| **LGAB** | Leucogabbro | **Pyx/Pxn** | Pyroxene | **Ox** | Oxide |
| **MBI** | Mine Block Intrusion | **Qtz** | Quartz | **Sel** | Selective |
| **MNOR** | Melanorite | | | **Serp** | Serpentine |
| **NLDI** | North Lac des Iles | | | **Sil** | Silica |
| **NOR** | Norite | | | **Spv** | Semi-pervasive |
| **NOR-Vt** | Varitextured Norite | | | **Trem** | Tremolite |
| **OB** | Overburden | | | | |
| **PER** | Peridotite | | | | |
| **PYXT** | Pyroxenite | | | | |
| **QDIOR** | Quartz Diorite | | | | |
| **TON** | Tonalite | | | | |
| **WEB** | Websterite | | | | |

| Mineralization Style | Mineralization Style Name | Structure Style | Structure Style Name |
|---|---|---|---|
| **Bl** | Blebby | **Aph** | Aphanitic |
| **Cg** | Coarse-grained | **Bx** | Brecciated |
| **Diss** | Disseminated | **Cnt** | Contact |
| **Fc** | Fracture Controlled | **Dtca** | Degrees to core axis |
| **Ff** | Fracture filling | **Fol** | Foliation |
| **Fg** | Fine-grained | **Lc/Lct** | Lower contact |
| **Int** | Interstitial | **Peg** | Pegmatitic |
| **Mg** | Medium-grained | **Sbpl** | Subparallel |
| **Min** | Mineralization | **Uc/Uct** | Upper contact |
| **Mod** | Moderate | **Ve** | Vein |
| **Pheno** | Phenocryst | **Vl/vlnt** | Veinlet |
| **Slvg** | Selvage | **Vt** | Varitextured |
| **Tr** | Trace | **Xcut** | Crosscut |
| **Vc** | Vein controlled | | |
| **Vcg** | Very coarse-grained | | |
| **Vfg** | Very fine-grained | | |
| **Vh** | Vein hosted | | |
| **Wk** | Weak | | |
| | | | |
| | | | |
| | | | |