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Assessment report for the Douay property, 2019 diamond drilling and core re-logging program

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Assessment Report for the Douay Property 2019 Diamond Drilling and Core Re-logging Program

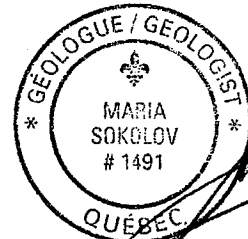
Douay Township, Quebec

Map sheets: NTS 32E09, 32E10
Latitude 49.51°N, Longitude 78.32°W
UTM NAD83 Zone 17: 5487450 N, 694100 E

For
Maple Gold Mines Ltd.
1111 West Hastings Street
Vancouver, British Columbia
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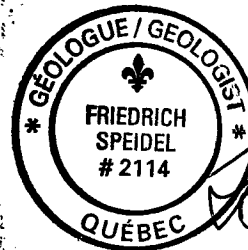
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EXECUTIVE SUMMARY

Maple Gold Mines Limited (**Maple Gold**) owns the Douay property. Maple Gold is a Canadian mineral exploration company, with its offices in Vancouver, British Columbia (**BC**).

The Douay property (**Douay**) is located 55 kilometers (**km**) southwest of Matagami, Quebec (**QC**) and 120 km north of Amos, QC. The property is accessible all year via Provincial Highway 109 (**Hwy 109**).

Douay hosts gold mineralization in nine zones and several additional prospects. The known zones are Douay West, Northwest, Nika, Central, Porphyry, Main, 10, 20, and 531.

The Douay property is located in the prolific Abitibi Greenstone Belt, which has produced nearly 200 million ounces (**Moz**) since the early 1900s. Since the 1970s, several companies have explored the Douay property. Historical work programs included mapping and prospecting, ground and airborne geophysics, trenching, and reverse circulation (**RC**) and diamond core drilling.

During the 2019 program, Maple Gold produced 6,045 meters (**m**) of core in 15 drillholes (**DDH**). The drilling started at the end of March and was completed by April 26. Thirteen drillholes totaling 5,346 m were designed to better define mineralized zones within the resource area. Two holes totaling 669 m tested prospective exploration targets outside of the resource area.

Drilling completed on Porphyry and 531 Zones continued to improve the level of confidence for continuity of mineralization within the resource area. Follow-up on the new discovery of 2018, the Nika Zone, resulted in several broad, lower grade gold intersects.

The exploration drilling was less successful in locating significant mineralization; however, it improved on geological understanding of the area to the south of the Porphyry Zone.

Following the highly successful drilling at the 531 Zone (hole DO-19-262), the geology of the zone was revisited by detailed re-logging of 21 historical drillholes in that area.

The positive results from work completed during 2019 continue to demonstrate the potential of the Douay property to host significant new mineralization, not only within the currently defined conceptual pits (Micon 2018, RPA 2019), but also outside of them.

Recommendations for future work include follow-up drilling, surveying of drillhole collars with high accuracy instruments, check assaying, and further 3D modeling and data mining.

1 INTRODUCTION

1.1 INTRODUCTION

This report presents and discusses the results from the 2019 diamond drilling and core re-logging program.

A total of 6,045 meters (**m**) in 15 holes on four target areas was drilled between the end of March and the end of April, 2019. Nine drillholes were completed within the existing resource area on Porphyry, 20 and 531 zones. At the Porphyry Zone, two holes were drilled within its western portion, for a total of 522 m, four on its eastern side, for a total of 1,383 m, and two holes were drilled in the middle section of the Porphyry (Zone 20) totalling 1,215 m. One hole was completed on the 531 zone for a total of 432 m there. Four drillholes, for 1,794 m, targeted the new Nika zone, which is located between Douay West, Porphyry, and NW resource areas.

Two holes, totaling 699 m, tested prospective exploration targets outside of the resource area, located approximately one kilometer south off the Porphyry Zone.

Table 1. Summary of drilling completed in 2019 by target areas

Zone	Number of DDH	Total m
Porphyry (West)	2	522.0
20	2	1,215.0
Porphyry (East)	4	1,383.0
531	1	432.0
Nika	4	1,794.0
Exploration	2	699.0
All	15	6,045.0

All measurements are in the metric system. The local geographic projection is Universal Transverse Mercator (**UTM**) North American Datum 1983 (**NAD83**), Zone 17.

1.2 PROPERTY DESCRIPTION, LOCATION, AND ACCESS

The Douay property, located within the Douay Township, QC is centered at a latitude and longitude of 49.51 degrees (°) North (**N**) and 78.32° West (**W**) (UTM NAD83 Zone 17: 5487450 N, 464100 E), within map sheets NTS 32E09 and 32E10. It is located approximately 55 km southeast of the town of Matagami, and 120 km north of the town of Amos. Amos is 70 km north of Val d'Or (Figure 1).

The property is accessible from Amos via provincial Hwy 109, an all-weather paved two-lane highway that crosses the property. A network of gravel forestry roads and drill trails provide good internal access within the Douay property.



Figure 1.Location map (Source: MGM website)

1.3 PHYSIOGRAPHY AND VEGETATION

The area has generally flat topography with occasional low relief drumlins and eskers. Black spruce forests, swamps, and eskers cover the property. The vertical relief in the area is generally very low with a mean altitude of 290 m above sea level. The Cartwright Hills extend for about 15 km along the southern boundary of the Douay property creating a more pronounced topography.

Very few outcrops occur on the eastern and western thirds of the property, but are locally abundant in the central third. The overburden consists of a peat layer resting on layers of argillaceous and sandy material, which then rest on beds of fluvio-glacial till and lesser clay.

1.4 CLIMATE

The area receives an average of 928 millimeters (**mm**) of precipitation annually. Average monthly precipitation ranges from 48 mm in February to 103 mm in September. Snow can fall from October to April, but significant accumulations are normally limited to the months of November to March. Snowfall averages 54 mm (expressed in mm of water) for these five months.

The average annual daily temperature is 2° Celsius (**C**). The warmest month is July, when the average daily temperature is 14°C, and the coldest month is January, which averages -16°C.

From June to January, southwest winds are dominant, while from February to May, the prevailing wind comes from the northwest. Winds have a typical velocity varying between 11 and 14 kilometers per hour (**km/h**), for an average of 13 km/h during the year. The climatic data used to characterize the site come from the meteorological station of Val d'Or, about 165 km south of the site. The data were collected between 1961 and 1990.

1.5 INFRASTRUCTURE AND LOCAL RESOURCES

Provincial Highway 109 passes through the property. A high voltage electric power line runs along Hwy 109 between Amos and Matagami. The major population centers for the region are the towns of Amos (pop. 12,823), Matagami (pop. 1,396), and Val-d'Or (pop. 32,491).

The region has a rich mining history, dating back to the late 1950s when geophysical work led to the drill-discovery of the Lac Matagami base metal deposit. The town of Matagami was founded in 1963 with the development of mining in the area, and further drilling of airborne geophysical (electromagnetic and magnetic) anomalies led to the first discovery, the Main Zone, at Douay in 1976. The labour force, suppliers and services that would be required for a mining operation are available locally. The current access road and power line are adequate for a mining operation.

Site facilities include a headframe and garage, an office building with a kitchen, sanitary facilities, limited sleeping quarters, and a large core processing facility that is situated 4.5 km west of Hwy 109. At the site of the Douay West headframe, a shaft was sunk to a depth of only 10 m – there has been no historical mining at Douay. The hoisting apparatus was partially dismantled in 2017.

A 75-man camp was installed in late 2017 just to the west of Hwy 109. Water, electrical power supply, and services are adequate for all-season exploration activities.

1.6 PROPERTY HISTORY

Inco Gold Ltd. (**Inco**) originally claimed the property, discovering the Douay Main Zone in 1976, and the Douay West Zone in 1990 based on airborne geophysics. Forty-four drill holes, for 8,656 m, were drilled on Douay West in 1990 and 1991, resulting in an initial tonnage and grade estimate for the in-situ mineralization.

Prior to 1992, several other gold-bearing intersections were encountered. The 531 Zone was discovered while drilling IP anomalies. Vior obtained an interest in the property in 1986, and attained 100% ownership in January 1992. The initial claims were split into several properties.

In 1992, SOQUEM optioned part of the Douay property. Their exploration work included ground geophysics and core drilling of 22 holes totaling 6,416 m. SOQUEM defined Zone 10 and tested a number of IP anomalies on the property. SOQUEM returned the property to Vior in 1994.

During 1992 and 1993, Vior continued drilling the 531 Zone, and also drilled targets outside the known discoveries.

In February 1995, Vior concluded an agreement that allowed Cambior to earn an interest in the property. Cambior drilled 13 holes in the Douay West zone, and then completed a feasibility study on that zone to evaluate its potential. Cambior established a resource that was accessible by using a surface ramp; however, Cambior later dropped its interest in the property.

In 1996, Aurizon Mines Ltd. (**Aurizon**) optioned the property from Vior in 1996. Aurizon could obtain a 50% interest in the Douay and Douay West properties by investing a total of \$17 million. After drilling seven holes, for 2,520 m, Aurizon started a feasibility study in August 1996, which aimed to evaluate the resources and the profitability of the Douay property. Aurizon constructed a 4.5 km gravel road from Highway 109 to Douay West. In 1997, the power line, head frame, hoist building, and accessory structures were installed. The shaft was sunk down to a depth of 10 m. Between 1996 and 1999, Aurizon drilled eleven holes totaling 6,053 m. In 1997, limited surface stripping was carried out over the porphyry complex on zone 20. In 2000, Aurizon relinquished its option after having spent \$5 million.

In 2004, Vior reviewed all the information available for the property, and then in spring 2005, a further 3,384 m were drilled at Douay West and Adam (the latter now part of Porphyry) Zones. Two exploration holes drilled east of the Adam Zone, in the syenite intrusion, led to the discovery of what is now known as the Porphyry Zone.

In 2005, Vior asked Geostat Systems International Inc. (**Geostat**), which is now part of SGS Canada Inc. (**SGS**), to evaluate the various resources and prepare a pre-feasibility study for an open pit mine on the Douay West zone; Geostat defined a probable reserve.

During 2006 to 2007, 53 holes were drilled. Of these, 23 were on Douay West.

In 2007, Vior asked Geostat to update the resource estimate and technical report using new information from 2006 to 2007 drilling at Douay West. The estimation indicated that the property hosted significant measured and indicated resources using a lower cut-off grade than previously, plus additional inferred resources.

In 2009, Vior re-logged and re-interpreted the drillhole data from Douay West. In 2010, spurred by increased gold prices, Vior had SGS update the Douay West resource estimate and conduct a preliminary economic assessment (**PEA**).

Following an option agreement between Aurvista Gold Corporation (**Aurvista**) and Vior in late 2010, four drillholes for 2,097 m established Douay West mineralization to a depth of 500 m from surface.

Between 2011 and 2017, Aurvista drilled 179 drillholes for 62,215.97 m throughout the property. The following Zones were tested within the resource area: Douay West, Northwest, Central, Porphyry, Main, 10, 20, and 531. Aurvista also conducted various ground and airborne magnetic, electromagnetic, and induced polarizations studies of all or parts of the property.

On November 20, 2017, the company announced that it had changed its name to Maple Gold Mines Ltd., and began trading under a new symbol.

In 2018, Maple Gold drilled 52 drillholes for 21,143.84 m, and completed a mapping program and selective re-logging of historic drill core. Drilling on the low drillhole density area between the Porphyry, Douay West and NW zones resulted in the discovery of a new gold mineralization zone named “Nika zone”.

1.7 MINERAL RESOURCE ESTIMATES

1.7.1 2019 MINERAL RESOURCES

On December 9, 2019, Maple Gold announced the filing of a National Instrument 43-101 Technical Report for the updated Mineral Resource Estimate on its Douay Gold Project. The report was prepared by Roscoe Postle Associates Inc. (**RPA**) in accordance with the standards and guidelines set out in 2014 by Canadian Institute of Mining, Metallurgy and Petroleum (**CIM**).

The Technical Report is publicly available on SEDAR (www.sedar.com) under Maple Gold’s profile and on the Company's website (www.maplegoldmines.com). It is filed under the title “Technical Report on the Douay Gold Project, Northwestern Québec, Canada. NI 43-101 Report.” The report was prepared by the

RPA's Qualified Person Ms. Dorota El Rassi, P.Eng, and was dated December 9, 2019 with the effective date of October 23, 2019.

The mineral resource estimate was reported using a 0.45 g/t Au cut-off grade for a potential open pit-mining scenario, and a 1.0 g/t Au cut-off grade for the underground resource below the pits. The total Indicated mineral resources were estimated to contain 8.6 million tonnes (**Mt**) at an average grade of 1.52 g/t Au (equivalent to 422,000 ounces of gold). The total (in-pit plus underground) inferred resources were reported to be 71.2 Mt at an average grade of 1.03 g/t Au (equivalent to 2.35 million ounces).

Table 2. Summary of Mineral Resource Estimates, as of October 23, 2019

Category	Tonnes (Mt)	Grade (g/t Au)	Contained metal (Oz)	Cut-off grade (g/t Au)
Pit Constrained Mineral Resources				
INDICATED	8.6	1.52	422,000	0.45
INFERRED	65.8	0.97	2,045,000	1.00
Underground Mineral Resources				
INFERRED	5.4	1.75	307,000	1.00
Total Mineral Resources				
INDICATED	8.6	1.52	422,000	0.45
INFERRED	71.2	1.03	2,352,000	1.00
Notes (RPA NI 43-101 Report, 2019):				
1. CIM (2014) definitions were followed for Mineral Resources.				
2. A minimum mining width of three metres was applied to the Mineral Resource wireframes.				
3. Bulk density of either 2.71 t/m ³ or 2.82 t/m ³ was assigned to Mineral Resources based on the zone.				
4. Mineral Resources are reported above a cut-off grade of 0.45 g/t Au for a potential open pit scenario and 1.0 g/t Au for a potential underground scenario.				
5. The Whittle pit shell used to estimate Mineral Resources used a long-term gold price of US\$1,500 per ounce, however the implied gold price for the Mineral Resources reported at the elevated cut-off grade would be significantly lower.				
6. Mineral Resources are estimated using a recovery of 90%.				
7. Numbers may not add due to rounding.				
8. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.				
9. Pit constrained Mineral Resources are reported within a preliminary pit shell.				

1.7.2 HISTORICAL MINERAL RESOURCES

This section summarizes some of the more recent resource estimates for the Douay property, starting with 2018. Mineral resources, which are not mineral reserves, do not have demonstrated economic viability.

2018

On February 14, 2018, Maple Gold announced the results of an updated mineral resource estimate for the Douay project. Using a base-case cut-off grade of 0.45 g/t Au, the estimated indicated mineral

resource for the property was 9,383,000 t at 1.59 g/t Au, for 479,000 ounces (oz) of gold. The estimated inferred mineral resource was 84,152,000 t at 0.97 g/t Au, for 2,759,000 oz Au.

The mineral resource estimation was prepared in accordance with CIM Standards of Mineral Resources and Reserves (2014).

The details of the resource estimate are in the technical report titled “NI 43-101 F1 Technical Report, Updated Resource Estimate For The Douay Gold Project, Douay Township Quebec, Canada; Report Date: March 15, 2018”, by William J. Lewis, B.Sc., P.Geo., Richard M. Gowans, B.Sc. P.Eng., and Antoine Yassa, P.Geo. The effective date for the report was February 9, 2018.

2017

On April 11, 2017, Maple Gold (then Aurvista Gold) released the results of an updated mineral resource estimate for the Douay project. Using a base-case cut-off grade of 0.5 g/t Au, the estimated inferred mineral resource for the property was 83,327,000 t at 1.05 g/t Au, for 2,813,000 oz Au.

In the past, some resources had been classified as measured and indicated; however, for the first time, the mineral resources for all eight zones together were viewed as amenable to open pit-mining methods. Douay West had previously been considered as a target for underground mining.

The mineral resource estimation was prepared in accordance with CIM Standards of Mineral Resources and Reserves (2014).

The details of the resource estimate are in the technical report titled “NI 43-101 F1 Technical Report, Updated Resource Estimate For The Douay Gold Project, Douay Township Quebec, Canada; Report Date: April 10, 2017”, by William J. Lewis, B.Sc., P.Geo., Richard M. Gowans, B.Sc., P.Eng., and Antoine Yassa, P.Geo. The effective date for the report was February 15, 2017.

2015

On April 22, 2015, Maple Gold (then Aurvista Gold) released the results of an updated mineral resource estimate for the Douay West zone, which was created as part of a PEA.

Using a base-case cut-off grade of 0.30 g/t Au, the estimated indicated mineral resource for the Douay West zone was 2,558,000 t at 2.77 g/t Au, for 227,982 oz Au. The estimated inferred mineral resource was 1,413,000 t at 1.65 g/t Au, for 74,913 oz Au.

The details of the resource estimate are in the technical report titled “Technical Report and Preliminary Economic Assessment on the Douay West Gold Property, Douay Township, Northwestern Quebec, Canada, NI-43-101 and 43-101 F1; Report Date: January 22, 2015”, by E. Puritch, P.Eng., C. Duke, P.Eng.,

K. Rodgers, P.Eng., J. L. Pearson, P.Eng., A. Hayden, P.Eng., G. Watts, P.Eng., and D. Gourde P.Eng. The effective date for the report was December 9, 2014.

2012

Using a base-case cut-off grade of 0.30 g/t Au, the estimated indicated mineral resource for the Douay project was 2,689,000 T at 2.76 g/t Au, for 238,433 oz Au. The estimated inferred mineral resource was 40,244,000 T at 0.75 g/t Au, for 2,754,544 oz Au.

The details of the resource estimate are in the technical report titled “Douay Deposit National Instrument 43-101 Compliant Technical Report; Report Date: August 10, 2012” by Cliff Duke, P. Eng.

1.8 CLAIM STATUS

As of October 5, 2020, the property consisted of 669 mining claims over 357 square kilometers (Figure 2).

Maple Gold has 100% ownership of 637 claims over approximately 345 square kilometers. SOQUEM has 25% ownership of a contiguous block of 32 claims covering approximately 12 square kilometers in the north-central part of the property with Maple Gold holding 75% interest.

A complete list of mining claims and their expiry dates is provided in Appendix A, and the claims are graphically shown on Figure 2 (scale 1:175,000) and in Appendix B (scale 1:75,000).

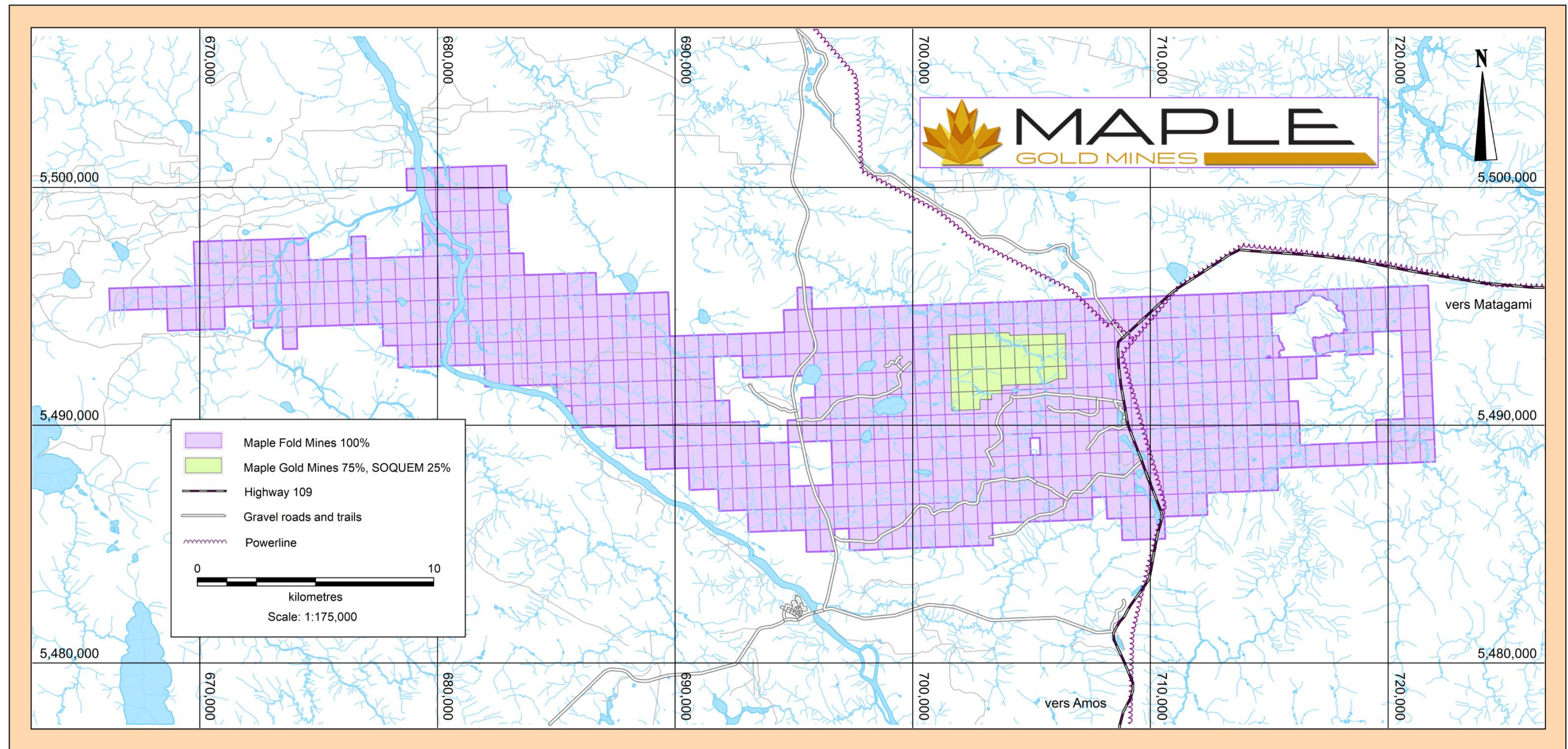


Figure 2. Douay mining claims map, as of October 5, 2020

2 GEOLOGICAL SETTING AND MINERALIZATION

2.1 REGIONAL GEOLOGY AND METALLOGENY

The Douay property lies within the Archean-age Harricana-Turgeon greenstone belt, which is located in the northwestern portion of the Abitibi geological subprovince, part of the Superior province of the Canadian Shield. The property straddles the Casa Berardi Tectonic Zone (**CBTZ**) over a distance of 55 km. The CBTZ is recognized as a major-scale, east-west (E-W)-trending structural corridor with many subsidiary, brittle-ductile splays striking east-southeast-west-northwest (ESE-WNW). The CBTZ is a few km wide in the Casa Berardi area to the west, but widens significantly to over 10km in the Douay area, where it appears to form a regional dilational jog (Figure 3). Traversing the northern portion of the property in an east-west direction, the CBTZ separates, juxtaposes and overlaps two lithotectonic domains: the sedimentary Taibi Domain to the north and the significantly older volcanic-dominant Cartwright Hills Domain to the south.

The Harricana-Turgeon belt development began with several well-defined episodes of volcanism and coeval plutonism, mostly between 2,730 and 2,700 million years ago (**Ma**), followed by high-level plutonism between 2,694 and 2,690 Ma. This represents the main phase of construction of volcano-plutonic edifices. The first significant episode of contractional deformation (D1) was accompanied by the emplacement of diorite-tonalite intrusions at about 2,685 Ma, which was followed by flyschoid sedimentation (Timiskaming event) between 2,690 and 2,687 Ma (Robert, 2001). This sedimentation was accompanied by the emplacement of high-level alkaline intrusions and, locally, their volcanic equivalents. The timing of the latter igneous events is well-constrained and is bracketed between about 2,680 and 2,672 Ma (Robert, 2001). This Timiskaming event was followed by the main period of greenstone belt deformation and associated with (as well as outlasted by) granitic plutonism. Deformation included north-south shortening (D2) which evolved to dextral transcurrent deformation (D3) localized mainly along major fault zones (Robert, 2001).

Major fault or tectonic zones, including the CBTZ, are important structural elements in the Abitibi Greenstone belt, as they control the belt-scale distribution of gold deposits, as well as the Timiskaming-type sedimentary rocks and associated alkaline intrusions and their related gold systems (Robert, 2001). Several of the syenitic intrusions hosting gold mineralization have been directly dated. Douay gave 2,679 ±10/-7 Ma (Robert, 2001). At Canadian Malartic, virtually identical (zircon U-Pb) ages of 2,677-2,679 Ma were obtained on porphyritic monzodiorite (Helt, 2014).

The syenite-associated gold event, of which Douay forms part, is significantly younger than synvolcanic volcanogenic massive sulphide formation, but older than most orogenic gold deposits.

The prominent types of gold or gold-rich deposits of the region are orogenic, intrusive-related gold systems (**IRGS**), and volcanogenic massive sulphide (**VMS**). Orogenic gold deposits in the Abitibi include Casa Berardi, Sleeping Giant, and Veza. Examples of VMS deposits include Horne, Bousquet, LaRonde, Joutel, Matagami, and Estrades. Intrusive-related gold systems (**IRGS**), are represented by Beattie,

Malartic, Young-Davidson, and Douay although recent work has indicated that Malartic while spatially associated with the above-mentioned intrusions, may actually be of the orogenic type. All three of these types of gold deposits are known to occur along the CBTZ, and therefore potential exists for all three of these on the Douay property.

2.2 LOCAL AND PROPERTY GEOLOGY

Three distinct lithological assemblages are recognized within the limits of the Douay property (Micon 2018):

1. A magmatic Cartwright Hill Group (Cartwright) dominated by massive and pillowed flows of iron and magnesium-rich tholeiitic basalts with lesser ultramafic units, relatively narrow, lenticular sedimentary interflow and exhalative horizons, as well as felsic flows and interflow pyroclastics. Coarse-textured mafic rocks are commonly interpreted as co-magmatic gabbroic sills and dykes. The Cartwright assemblages cover the greatest part of the property.
2. A sedimentary sequence, the Taïbi Group (Taïbi), composed of clastic turbidites (siltstone to greywacke), polymictic conglomerates, Algoma-type banded iron formation, felsic to intermediate volcanics and pyroclastics, and minor basalts. The Taïbi sequence (<2,696 Ma, Pilote et al., 1999) rests unconformably on the older Cartwright rocks (2,721 Ma, Legault et al., 2002), and both originate in a deep marine environment with active volcanic centers.
3. The Douay alkaline intrusive complex (2,676 Ma, Davis et al., 2000) mostly intrudes Cartwright rocks in the north-central portion of the property, at or near the contact with the Taïbi domain. The alkaline complex includes actual syenite (<5% modal quartz), quartz syenite and monzonite, with lesser carbonatite and alkaline gabbro. At least five textural types of syenitic rocks are recognized in the Douay intrusive complex:
 - aphyric,
 - aplitic,
 - porphyritic with feldspar phenocrysts,
 - porphyritic with quartz and feldspar phenocrysts, and
 - pegmatitic.

Rocks of the Douay property are generally metamorphosed to the greenschist facies and, strictly speaking, they are metavolcanic and metasedimentary assemblages.

The Cartwright mafic rocks are typical greenstone assemblages composed of chlorite, actinolite, epidote, calcite, albite, and minor quartz. Ultramafic units are serpentinized, amphibolized, and chloritized in various proportions. Both mafic and ultramafic rocks exhibit similar textural variations: pillowed, variolitic, massive, and gabbroic. Komatiitic lavas locally have characteristic spinifex and cumulate textures.

Pillowed flows are fine-grained to aphanitic with local flow breccias and rare amygdules. Pillows rarely exceed one meter in size and are recognized in the drill core and on outcrops by narrow, 1-3 cm thick,

dark green chilled selvages. The scarcity of amygdules suggests that lavas formed in deep-water conditions.

Massive flows are rather homogenous in appearance, fine to medium-grained, sometimes exhibiting diabasic (ophitic to sub-ophitic) textures formed by small whitish plagioclase laths floating in a fine, dark green groundmass. Coarser-grained massive intervals are composed of dark green, rounded ferromagnesian grains (relict olivine or pyroxene) surrounded by finer-grained plagioclase aggregates. Massive layers are often described as gabbro or gabbroic basalt.

Sedimentary assemblages intercalated with Cartwright mafic-ultramafic flows form lenticular horizons, typically several cm to several m thick, but locally several tens of meters thick. They are interpreted as interflow turbiditic sequences consisting of argillaceous sedimentary rocks (black shale, graphitic argillite, siltstone, mudstone), greywacke, and sandstone. Sedimentary rocks also include massive and laminated cherts and possibly minor iron formations.

The volcano-sedimentary assemblages of the Taibi Group are composed of turbiditic sequences of detrital sedimentary rocks (argillite, mudstone, greywacke, conglomerate), lesser pyroclastic rocks, mafic and felsic volcanic flows, and iron formation.

2.3 STRUCTURE

This chapter is edited after the RPA NI 43-101 Report, 2019:

At the property scale, the rock units form east-west to east-southeast trending lithotectonic assemblages indicative of a broadly north-south oriented maximum compression. The rock assemblage appears to be dissected by three main sets of east, northwest, and possibly lesser northeast trending faults, interpreted from drill data and inferred from breaks in the magnetic data. The east and northwest trending faults represent the Casa Berardi and Douay regional trends, respectively. Both sets locally connect to form an east-west, dextral transpressive fault system (RPA NI 43-101 Report, 2019; Micon, 2018).

At the scale of the drill core, foliation development is not pervasive, being instead focused at lithological or alteration contact zones. Foliation is generally well-developed in felsic volcanic and sedimentary rocks, and carbonatite bodies (although some of the foliation there may be magmatic) and represent metric to decametric width, major ductile to brittle-ductile shear zones, typically but not exclusively on the margins of intrusive bodies. These structures appear to have formed with development of breccia zones of various sizes. Generally, the breccias, including crackle, chaotic, and mosaic breccia, are either monolithic or heterolithic with a quartz, calcite, and/or chlorite and locally specular hematite matrix. In the sedimentary and felsic rock units, the shear zone foliation is locally crenulated without significant development of any new fabric. In addition, minor shear zones, joints, and veinlets with lesser veins are common structures in all rock units. The veinlets are often sheared and form extensional structures of various sizes with calcite, epidote, chlorite, quartz, or anhydrite infill.

Graphitic shear zones are common at Douay West. They are sub-concordant with the stratigraphy and, though they reach up to 30 m in true thickness, they rarely exceed 10 m. The mafic composition of the sheared rocks reflects that of the protolith affected by this focused deformation, although sheared graphitic interflow sedimentary horizons are also present. Chloritization and carbonatization (generally intense) are the most common alterations within these shear zones. Pyrite, though not characteristic, is frequently present. Anomalous gold values can sometimes be found.

Schistosity, as noted in the orientation tests in drill holes and interpreted from geological and geophysical data, appears to generally be east-southeast (090° to 110°) and is typically steeply dipping (60° to 85°) to the south; this fault set is described by Maple Gold as forming part of the Casa Berardi set. A second set of structures, generally oriented east-southeast (approximately 105°), dips more shallowly, i.e., approximately 50° to 60° to southwest. The mixed pyroclastics and sedimentary rocks located north of the principal syenitic intrusive complex are definitively more strongly and pervasively deformed.

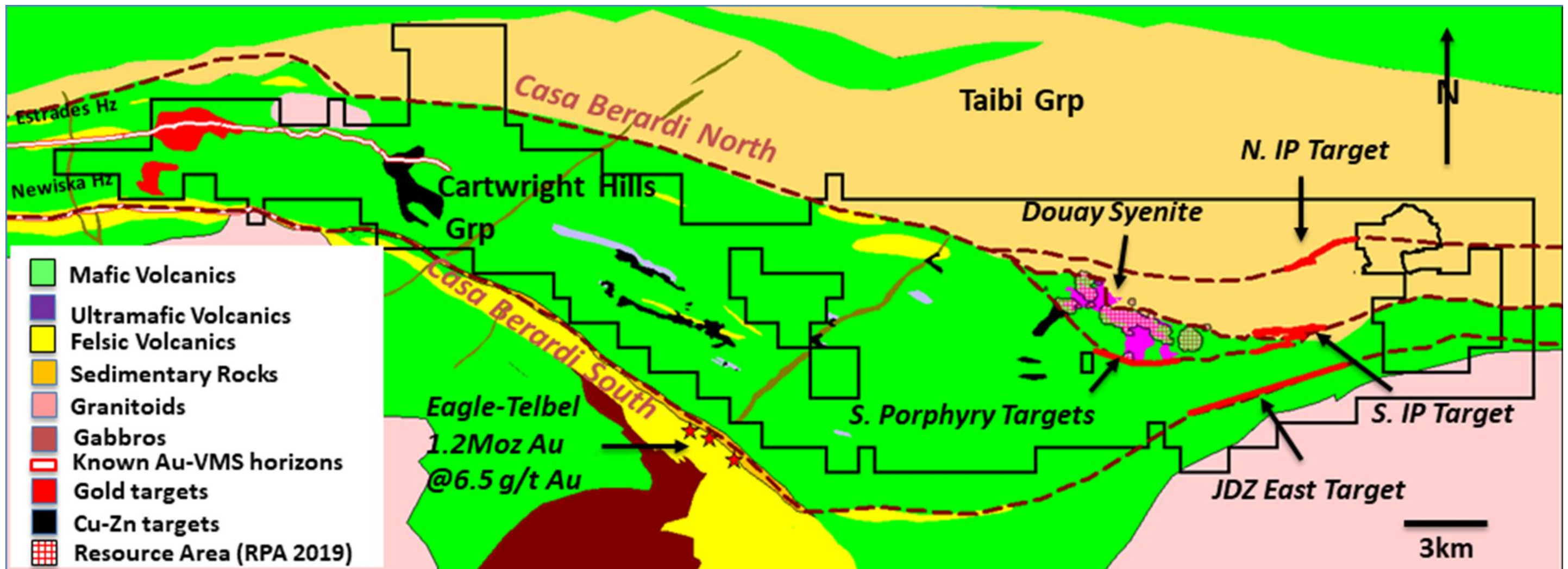


Figure 3. Simplified regional geology map with Douay property outline as of October 5, 2020

2.4 ALTERATION

On the regional scale, the volcano-sedimentary sequences have been metamorphosed to the greenschist facies conditions. Typical greenstone assemblages of mafic rocks primarily consist of chlorite, tremolite-actinolite, epidote, albite, carbonate, and minor quartz, which replace the original ferromagnesian silicates and calcic plagioclase. Ultramafic and high-magnesian mafic volcanic rocks are altered to chlorite, actinolite, carbonate, and serpentine. Leucoxene is common as an alteration product of titanium-bearing accessory minerals such as ilmenite and titanite. The greenstone rocks have a distinct green colour, which changes under overprinting local alteration.

Some parts of basaltic top flows had probably undergone pre-metamorphic alteration (spilitization) during interaction with sodium-rich seawater. The spilitized intervals are characterized by pale greenish grey aphanitic matrix and a great number of creamy white to beige veins composed of epidote-group minerals (epidote, zoisite, clinozoisite), sodic plagioclase, quartz, and calcite.

The local scale post-metamorphic metasomatic processes are linked spatially to brittle-ductile structural zones and probably genetically to the Douay alkaline intrusive complex and are superimposed on the regionally developed greenstone assemblages. The lithological assemblages at Douay have experienced multiple episodes of hydrothermal alteration. Alteration products depend on the initial host rock composition and on the origin of the metasomatizing fluids. The extent of altered zones ranges from a few mm-wide halos around fractures and veins to several tens of meters or even hundreds of meters in some cases.

Three mineralogically and geochemically distinct alteration associations can be distinguished (only main minerals noted):

- 1) Fe-carbonate ± sericite ± albite ± chlorite assemblages associated with brittle-ductile shear zones,
- 2) K-feldspar + hematite + carbonate alteration in fractured zones within in a broad range of rock types, and
- 3) albite ± fluorite ± silica ± carbonate assemblages, which are generally restricted to bleached, crackled porphyry.

There may be two major and distinct fluid sources: 1) metamorphic fluids generated by metamorphic dehydration reactions that led to the formation of the first group of alteration assemblages, more typically associated with orogenic gold systems, and 2) alkali-rich metasomatic fluids, which originated from the Douay alkaline-carbonatite complex and formed two other assemblages. The temporal relationships and evolution of the alteration processes remains uncertain at this point. Multiple phases of magmatic injections ranging in composition from syenitic to felsic, and texturally from aplitic to pegmatitic, apparently resulted in multiple overprinting hydrothermal events. The two first alteration associations can occur independently or co-exist spatially. Some carbonatized shear zones contain remnants of red potassic alteration suggesting that the metamorphic-related carbonatization overprinted previously

fenitized intervals. On the other hand, fractures filled by orange-red K-feldspar crosscut some carbonatized zones.

Alteration assemblages produced by **alkali metasomatism (fenitization)** include both potassic- and sodic-rich phases. Potassic alteration is more widespread and overprints all lithologies, whereas sodic (albitic) alteration is less common and was mainly observed within the porphyry. Albite is associated with quartz, minor carbonate, dark purple fluorite, and some REE-rich accessory minerals. Fluorite-rich albitite veins were also noted in sheared Taibi metasedimentary rocks near the northwestern boundary with the syenitic porphyry.

Zones of potassic alteration are typically red-coloured due to dusty particles of hematite in feldspar grains; however, not all red-coloured zones are potassically altered, as can be demonstrated by low K contents using the pXRF. Biotite is the dominant potassic phase in high magnesium mafic and ultramafic rocks. Potassic zones may also contain bluish sodium-rich amphiboles (riebeckite?) and black pyroxenes (could be aegirine, augite). The intensity of potassic alteration is stronger within the intrusive complex and in the immediate wallrock and decreases away from the porphyry. Reddish fenitized halos also appear around carbonatite veins in distal parts of the property (531 zone, Taibi assemblages) and have often been misidentified as syenite in the past on the basis of colour.

Carbonatization is the most common and widespread type of alteration. Various carbonate minerals, which formed through the breakdown of Fe-, Mg- and Ca-rich silicates in the presence of CO₂-rich oxidizing hydrothermal solutions, occur in almost all alteration assemblages. Calcite is typically present in the less altered parts of deformation zones, often on their flanks, whereas iron carbonates (ferroan dolomite to ankerite) tend to be in the heart of strong deformation and intense alteration. Epidote, common alteration mineral in greenstone, disappears on the margins with such zones serving as a marker for a possible mineralization ahead.

Sericitization occurs mainly in shear zones forming fine wispy aggregates typically defining the foliation and in fissures. Intense and more pervasive sericitization was observed in sheared metasedimentary, metavolcanic, and metapyroclastic rocks of the Taibi group.

Hematitization often accompanies potassic alteration colouring the rocks in various shades of red. Specular hematite is found in fault zones (commonly in porphyry), late fractures and carbonate veins and in some shear zones where it replaces fine disseminated grains and fine-grained, fracture-filling aggregates of magnetite by the process called martitization. It is necessary to note that red hematite staining is not always indicative of the potassic alteration; it rather reflects the oxidizing conditions. In a general sense, the predominance of hematite over magnetite in syenite contrasts with that of magnetite over hematite in the basalt host rocks, which could be interpreted as some kind of oxidation front.

The *sensu stricto* **silicification**, which involves the addition of silica to the rocks, whether as irregular quartz veinlets, crackle to hydrothermal breccia matrix or more pervasive fine-grained quartz, is scarce. Silica-flooding, quartz veinlets (only locally forming stockworks) and brecciated zones are limited in extent and

were mainly observed in the Porphyry Zone in association with albitization. The broader-termed silicification, which includes the formation of microcrystalline quartz during the metamorphic breakdown of greenschist assemblages, develops in shear zones and as narrow alteration halos around hydrothermal veins. Unlike typical orogenic gold systems, quartz veins (>2cm width) are largely absent at Douay.

Leucoxene, which is a common alteration product in basalts, was also noted in syenitic intrusions replacing titanite and in zones of intense carbonatite-related alteration in gabbroic basalts where it forms replacement rims around titanium-rich garnet, titaniferous magnetite, ilmenite, and other titanium-bearing minerals.

Calcium sulphate (anhydrite or gypsum) is one of the latest alteration minerals filling cracks and tension veinlets that crosscut older structures. Anhydrite-gypsum, typically pinkish due to weak hematite staining, was observed filling re-opened spaces along epidote veinlets within basalt and in late veinlets crosscutting fluorite-filled fractures in porphyry. Baryte is another major component of late alteration assemblages, often bright orange-coloured, which are found in cracks in fenitized rocks.

Elevated gold values (>0.1 g/t Au) are generally found in all three alteration assemblages listed above, typically where altered zones are spatially associated with intense deformation (brittle in syenitic and silica-rich sedimentary rocks and brittle-ductile in mafic to ultramafic wallrocks) and in the presence of pyrite mineralization (as little as 0.5% up to over 10%). However, not all deformation zones are mineralized in gold. Higher grades tend to occur in sheared zones with strong iron carbonate alteration (assemblage #1). Highest gold grades (>10 to 2,888 g/t Au), often with visible gold specks, are associated with greyish translucent quartz veinlets or silica flooding, most commonly within syenitic intrusive rocks. Free native gold has been noted in crackled, albitized intrusive rocks with fluorite and quartz veins.

2.5 MINERALIZATION

Sulphide minerals, from most to least abundant, include: pyrite, chalcopyrite, pyrrhotite, and rare sphalerite, galena, molybdenite, and arsenopyrite. Native gold is also occasionally noted, particularly in the Porphyry Zone but also elsewhere. Minor visible gold was observed in association with patchy pervasive silicification or irregular, discontinuous quartz veinlets. Chalcopyrite forms anhedral grains and fine masses in sediments; it also occurs in specularite-filled fractures within various lithologies and in quartz-calcite-fluorite-pyrite filled crackles in syenitic rocks. It was noted that the presence of chalcopyrite in mineralized quartz veins within the Porphyry Zone correlates with higher gold grades. Brownish pyrrhotite is present in sedimentary rocks and mafic volcanics as weakly magnetic anhedral aggregates. Sphalerite was observed in some sedimentary units of probably exhalative origin, in carbonatite injections within Cartwright Group volcanics and in association with galena and minor chalcopyrite in hydrothermal veins within Taibi assemblages. Molybdenite was noted in the Porphyry Zone in hydrothermal veinlets, and traces of arsenopyrite were observed in Taibi pyroclastics and sediments.

Pyrite, the dominant sulphide phase, is present in numerous generations and was found in most of the rock types. Grain size varies from sub-mm to one cm, and concentrations range from traces to semi-massive accumulations. Pyrite abundance does not necessarily correlate with gold concentration. Exhalite sediments, for instance, often host significant amounts of pyrite (>5%) but rarely show any gold values. However, some pyrite (approximately 2% on average, but occasionally as little as 0.5% or as much as >10%) is always present in gold zones. The type of pyrite, rather than the amount, is more important with regard to gold mineralization.

There are at least five generations of pyrite:

1. Sedimentary pyrite as fine disseminations, blebs, pods, nodules, stringers, bands, and anhedral masses, sometimes in association with pyrrhotite, chalcopyrite, and rarely sphalerite. Generally non-auriferous.
2. Pyrite as a product of sulphidation of magnetite and Fe-rich mafic minerals in basalts and sedimentary rocks. Can be auriferous, e.g. at Douay West Zone.
3. Structurally controlled pyrite as fracture fill, as crackle breccia matrix or as matrix to hydrothermal breccias, in grey quartz-calcite veinlets, sometimes in sub-mm veinlets or fracture-fillings with some chlorite. It commonly has characteristic greyish, less brassy colour ('black pyrite'). Often associated with gold mineralization.
4. Disseminated pyrite: euhedral to anhedral; seems to overprint structurally controlled pyrite as well as pyrite replacing magnetite; often associated with zones of strong pervasive alteration (carbonatization, albitization, silicification, fensitization); possibly auriferous.
5. Disseminated pyrite is often present in small quantities (<1%) in relatively non-altered basalts and intermediate dykes but is generally not auriferous.

2.6 MINERALIZED ZONES DESCRIPTION AND GEOMETRY

The Douay deposit currently consists of nine mineralized zones: Douay West, Northwest, Nika, Central, Porphyry, Main, 10, 20, and 531. Gold mineralization is interpreted to follow an overall ESE trend over a strike distance in excess of 6.0 km (Figure 3). The Douay West and Porphyry Zones account for the majority of the Mineral Resources.

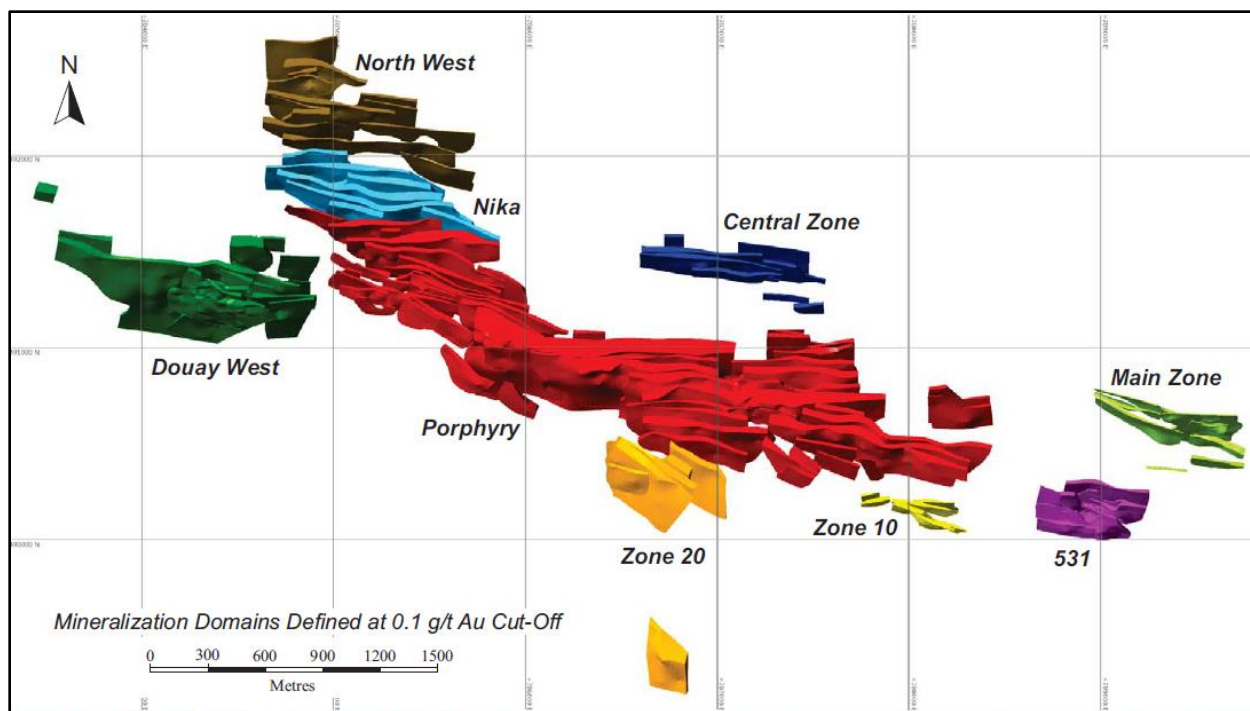


Figure 4. Location of mineralized zones. Planview of mineralization wireframes (as of December 2019, from RPA NI 43-101 Report, 2019).

2.6.1 DOUAY WEST ZONE

The Douay West (DW) Zone is located five to thirty meters north of a main graphitic fault zone (Casa Berardi deformation system). The rock units located between the fault zone and the mineralized zone are relatively competent (rock quality designation (RQD) >75%). The mineralized zone extends over a strike distance of approximately one kilometer and trends 100°. The zone is composed of several sub-parallel bodies that trend from 90° to 100°, and dip from -55° to -65° to the south. The drilled thickness of each of the individual bodies ranges from less than one meter up to 65 m, with metric distances between the mineralized lenses.

Gold-bearing mineralization is structurally-controlled and occurs in pyritized and variably altered, often hematitic, zones within mafic volcanic rocks. On the north side of the zone, gold grades are also associated with mixed syenite and basalt intervals representing an intrusion-related contact style of mineralization similar to that in the Porphyry zone.

Bleaching, albitization, carbonatization, and pyritization are the dominant alteration and mineralization patterns. Sericitization, ankeritization and weak hematitization are present as well. Alteration is strongest in the center of the gold zones. Weaker gold concentration in the peripheral zones correlates with weak pyritization and alteration. Foliation, and/or brecciation structures are common, in many cases with

mylonitic textures in altered basalts. Visual estimates of 1% to 30% pyrite of various types do not provide a direct estimate of expected gold grade.

2.6.2 PORPHYRY ZONE

The Porphyry zone hosts high-tonnage, low-grade, structurally-controlled gold mineralization. It is the largest of the mineralized zones on Douay. The name of the zone reflects the porphyritic texture of one of the main phases of the Douay alkaline complex. It is not a classic porphyry-type deposit, as it lacks the typical multiple generations of well-developed stockworks. It may instead be considered as an intrusion-related gold system (IRGS), a relatively new ore deposit class genetically linked to intermediate to felsic plutons.

The Porphyry Zone has an overall trend of 100° to 110° over a strike distance of 3.5 km. The overall width is approximately 500 m. It is composed of east-west to east-southeast oriented, subparallel mineralized lenses, with each lens typically tens of meters with some over 100 m thick. The lenses dip to the south at -60° to -65°.

Gold mineralization is structurally controlled and hosted in brittle-ductile zones in mixed basalt-syenite intervals and brittle zones within the intrusive complex. Hydrothermal alteration in mineralized zones is variably developed as a function of wallrock composition and proportional to the intensity of deformation. Alteration patterns include: 1) Fe-carbonatization, sericitization, +/-chloritization, +/-magnetite, mostly in mafic volcanic and mafic-derived interflow sedimentary rocks; 2) potassic alteration, hematization, carbonatization (calcite), +/-sericitization in almost every lithological type; 3) albitization, silicification, +/-fluoritization, +/-carbonatization (dolomite) in the intrusive phases. Biotite is the main secondary potassic mineral in magnesium-rich basalts and ultramafics, whereas K-feldspar dominates in mafic and felsic rocks.

Pyrite commonly accompanies gold mineralization; however, its concentrations are not necessarily indicative of gold enrichment. It has been noted that the presence of chalcopyrite along with pyrite in quartz veins in the Porphyry correlates well with higher gold values.

2.6.3 NORTHWEST ZONE

The Northwest zone has an overall east-southeast trend over a strike distance of approximately 900 m. The overall width is approximately 400 m not including what is now called the Nika Zone. It is composed of subparallel, sub-continuous mineralized lenses trending 95° to 100° and dipping to the south at -50° to -65°, with each lens typically 100 m to 1000 m long. The drilled width of mineralized zones ranged from less than one meter to 40 m, with an average drilled width of 11 m, and the intervals of barren rock in-between varied from less than one meter to 100 m.

The Northwest zone is underlain by a mixed basalt-syenite lithological assembly, similar to the Porphyry and Nika zones. The assemblages exhibit various types of alteration. Carbonatization (calcite and ankerite), chloritization, and epidotization are the main alteration types seen in this area. Epidote is mostly restricted to basalt, whereas calcite, ankerite, and chlorite occur in all rock types. Localized silicification is mostly developed in felsic and intermediate rocks.

Gold grades are mainly associated with ankeritization and silicification along with fine pyrite mineralization and are largely controlled by brittle and ductile structures.

2.6.4 NIKA ZONE

The Nika zone was discovered in 2018 by testing drilling gaps between Douay West, Porphyry, and Northwest zones. The Nika zone has an overall east-southeast trend over a strike distance of 840 m with an overall width of 350 m. It is composed of several individual sub-parallel to linked, or multi-limbed, lenses trending 100°, with each lens typically 100 m to 1,900 m long. The mineralized bodies dip to the south at -70° to -85°, separated by less than one meter up to 70 m intervals of low grade to barren rock. The lenses range from a drilled width of less than one meter to 60 m, with an average drilled width of 8.5 m. Geologically, the Nika Zone is very similar to the Porphyry Zone; both are underlain by a mixed basalt-syenite sequence, including some thick syenitic dykes that are well mineralized. Carbonatite dykes and carbonatite-related hydrothermal veins crosscut both basalt and syenite.

2.6.5 CENTRAL ZONE

The Central zone is located north of the Porphyry Zone, and east of the Northwest and Nika zones. It has been sparsely drilled over a strike distance of 1.5 km, with one to two holes on sections spaced at 100 m intervals. The zone has an overall trend of 100°.

The mineralization consists of narrow, sub-parallel, discontinuous and stepped bodies over a strike distance of 1,200 m and a width of 600 m. The mineralized bodies dip to the south at -60° to -80°, separated by less than one meter to 100 m intervals of barren rock. The drilled width of lenses ranged from less than one meter to 20 m, typically less than 10 m. The down-dip continuity is better than the on-strike continuity.

2.6.6 20 ZONE

Zone 20 occurs south of the central part of the Porphyry zone. It has an overall trend of 125° over a strike distance of 600 m and a width of 300 m. Portions of the zone appear related and on trend (at 110°) with mineralized bodies at the south portion of the western Porphyry zone; the geological context is also similar, with significant volumes of syenitic rocks mixed with somewhat less basalts in both cases. This zone is unique in its orientation when compared to the other zones on the property.

Zone 20 is composed of several subparallel, sub-continuous lenses trending 125°, with each lens typically 100 m to 500 m long. The mineralized bodies dip to the south at -45° to -50°, separated by less than one meter to 100 m intervals of barren rock. The lenses range from one to 40 m in width, but usually less than 10 to 20 m.

2.6.7 10 ZONE

Zone 10 is located near the southeastern portion of the Porphyry zone, in-between Zone 20 and Zone 531. It has a trend of 90° to 115° over a strike distance of 600 m. The overall width is about 200 m. It is composed of several sub-parallel, sub-continuous mineralized lenses trending 90° to 110°, with each lens typically 100 m to 500 m long. The mineralized bodies dip to the south at -65° to -85°, separated by one meter to 70 m intervals of barren rock. The drilled width of the lenses range from one meter to 60 m, with an average drilled width of 10 m.

Zone 10 is underlain by mixed basalt with multiple interflow sedimentary horizons and only minor syenite, mainly present in the western portion. Geologically, this zone is therefore more similar to the relatively distal (with regard to the syenitic intrusive complex) 531 Zone.

Higher-grade mineralization within Zone 10 is characterized by:

1. Intense (polyphase?) brecciation: More than one type of breccia may be present and are mostly interpreted as fault breccias. This includes intense fracturing, brecciation, shearing, and fault gouge.
2. Pyritization: Up to 15% pyrite, compared to 1-3% in the surrounding rock. Pyrite is predominantly euhedral, disseminated and fracture-controlled.
3. Silicification/sericitization: The rock is pervasively silicified and sericitized, overprinting the composition and textures of the protolith.
4. Felsic unit: Due to intense alteration and brecciation, it is not possible to determine the protolith of the unit with certainty. However, fingers of what appear to be syenitic injections or feldspathic alteration are noted immediately below the high-grade zone. On the other hand, pyroclastic fragments are also present, which are indicative of felsic volcanism. Therefore, this high-grade zone appears to be associated with a unit of felsic composition, whether that is a syenitic intrusion, felsic volcanic, or both.

2.6.8 531 ZONE

The 531 Zone has a trend of 90° to 105° over a strike distance of approximately 500 m. The overall width is 300 m. It is composed of several sub-parallel mineralized, sub-continuous lenses trending 90° to 105°, with each lens typically 100 m to 500 m long. The mineralized bodies dip to the south at -60° to -75°, separated by one meter to 70 m intervals of barren rock. The drilled width of the lenses range from one meter to 60 m, with an average drilled width of 11 m.

The area is underlain by a mafic to ultramafic sequence with multiple interflow sedimentary horizons (argillite, greywacke, chert), together forming part of the Cartwright Group. The zone is located roughly 500 m to the southeast of the Porphyry Zone and has volumetrically very limited syenitic intrusions. Intervals of reddish injections, most of which likely reflect potassic plus hematitic alteration rather than intrusive processes, vary in thickness from a few centimeters to a few meters.

Gold mineralization on the 531 Zone can be characterized in terms of lithology, structure, alteration, and sulphide mineralization. Two styles of gold mineralization can be distinguished:

1. Anomalous to low gold grades (100 ppb Au to 700 ppb Au) are often found associated with abundant (5% to 15%) pyrite as disseminations or aggregates. Rarely, thin (centimetric), semi-massive pyrite bands can be observed within or very close to fractured chert beds and/or argillites (“exhalites”) between strongly sheared and/or fractured mafic to ultramafic flows.
2. Gold grades tend to increase significantly, from 1.5 g/t Au to over 10 g/t Au, when discrete (one to five meter thick) structural features such as brecciation, strong fracturing, and/or shearing intersect K-feldspar-carbonate altered and silicified basalts. Pyrite content in these zones tends to be between 2% and 5% mainly as fine (sub- to one millimeter) disseminated subhedral grains and hairline fracture-filling veinlets.

Based on these characteristics of gold mineralization in 531 Zone, some exploration criteria can be developed to help explore for new gold targets in areas of similar geology:

- Low to anomalous gold values appear to be associated with pyrite mineralization along structural features (shear/brecciation), often (but not necessarily) at or near lithological contacts (e.g., basalts/sediments).
- High-grade gold zones appear to be closely associated with similar structural features that have intersected either silicified-carbonatized or fenitized (i.e. K-feldspar/biotite-hematite-carbonate-altered) basalts and ultramafics.
- The extent of the zones appears to be related to both the extent of the brittle-ductile structures and the intensity of alteration, either ankerite-sericite-silica or K-feldspar-hematite-calcite assemblages.

2.6.9 MAIN ZONE

The Main Zone, the original discovery area from 1976, occurs at the sheared contact between mainly Cartwright mafic volcanics to the south and the Taibi volcano-sedimentary sequence to the north. Several of the highest gold drill intercepts, in terms of both grade and accumulation at Douay, were obtained here.

The Main Zone has an overall trend of 105° over a strike distance of 850 m. The overall width is 350 m. It is composed of several subparallel, subcontinuous, mineralized lenses trending 90° to 100°, with each lens typically 100 m to 500 m long. The mineralized bodies dip to the south at -75° to -80°, separated by

five meter to 200 m intervals of barren rock. The drilled width of the lenses range from less than one meter to 49 m, with an average drilled width of 7.5 m.

2.6.10 EXPLORATION POTENTIAL

The current gold resource covers just 4% of the property package and significant potential remains for both resource expansion laterally and at depth as well as for regional discoveries (Maple Gold press release of Sept 20, 2020).

2.7 DEPOSIT TYPES

The following section has been extracted from the RPA NI 43-101 Report, 2019:

Gold mineralization on the Property includes a large, disseminated, pyritic, quartz-poor, structurally controlled style of mineralization, with more distal (with regard to the syenitic intrusive complex) higher grade zones such as at Douay West and 531 Zone, as well as more proximal lower grade zones such as NW, Nika, Porphyry Zone, and Zone 20. The Main and Central zones are distinct both geologically and geophysically, with narrow higher-grade mineralization found near a magnetically depressed lithological contact marking the boundary between the Taibi Group sedimentary rocks to the north and the Cartwright Group volcanic rocks to the south. Much of the mineralization at Main and Central Zones is actually sediment-hosted.

Collectively, this style of mineralization is best described as forming part of the IRGS rather than a true, classic gold porphyry. The alteration zonation and multi-phase stockwork systems typical of classic porphyry systems are absent at Douay. The mineralized zones within and surrounding the locally porphyritic syenitic intrusive complex are likely related to the corresponding intrusive-hydrothermal system, and are predominantly controlled by rock permeability, created either by rheological contrasts between the different lithologies and their associated alteration and/or by deformation zones, particularly along lithological contacts.

The IRGS deposit class is relatively new, and is associated with granitic intrusive rocks. It includes a relatively broad spectrum of deposits; therefore, Douay is best compared to other examples of the alkaline subclass, rather than to IRGS deposits in general. In addition to gold, this type of deposit can also be a significant source for bismuth, tellurium, tungsten, and tin. While these intrusive-related deposits may occur within or near a deformation zone, they are distinct from typical orogenic deposits in that the latter are not generally directly intrusive-associated and tend to be quartz-rich with either quartz veins or silicification.

3 2019 DRILLING RESULTS

3.1 TECHNICAL INFORMATION

The 2019 diamond drilling was carried out from the end of March to the end of April and resulted in completing 15 drillholes of NQ size for a total of 6,045 meters. The drillholes ranged in length from 114 to 675 m and reached a maximum vertical depth of 490 m from surface.

The main objectives of the 2019 drilling were:

1. Follow up on higher-grade gold mineralization from 2018 as well as from historical holes in the Porphyry Zone and test its continuity both near surface and at moderate depths.
2. Follow up on the better intercepts, in terms of both grade and thickness (i.e. accumulation), in the new Nika Zone discovered in 2018, both near surface and at moderate depth extensions.
3. Test depth extension of 531 Zone mineralization at base-of-pit depths.
4. Test the extension potential of gold mineralization to the south of the Porphyry Zone.

A summary of the 2019 drillhole location and collar information is provided in Table 3, Figure 3, and Appendix 3.

Table 3. List of 2019 drillholes

Hole_ID	Easting*	Northing*	Elevation	Length (m)	Azimuth***	Dip***	Start	End
DO-19-105X	704949.5	5491404.0	285.5	114****	360	-45	23-Apr-19	26-Apr-19
DO-19-255	705199.3	5491705.2	283.7	354	360	-50	25-Mar-19	30-Mar-19
DO-19-256	705940.3	5491025.7	286.5	180	356.7	-61.3	27-Mar-19	29-Mar-19
DO-19-257	705199.6	5491325.2	285.7	675	356.7	-48.3	30-Mar-19	10-Apr-19
DO-19-258	706384.0	5490712.5	289.4	342	358.2	-55.1	30-Mar-19	03-Apr-19
DO-19-259**	706623	5489152	300	336	358.9	-55.3	03-Apr-19	07-Apr-19
DO-19-260	706900.7	5490549.2	295.7	564	357.5	-59.7	03-Apr-19	11-Apr-19
DO-19-261**	706806	5489137	300	363	0.8	-47.1	07-Apr-19	12-Apr-19
DO-19-262	709047.5	5489930.9	304.9	432	358.2	-59.1	13-Apr-19	18-Apr-19
DO-19-263	707859.7	5490248.7	300.1	357	1.8	-51.3	06-Apr-19	10-Apr-19
DO-19-264	706658.3	5490418.0	292.9	651	352.2	-46.4	13-Apr-19	24-Apr-19
DO-19-265	707996.0	5490145.9	301.6	417	12.1	-48.2	14-Apr-19	19-Apr-19
DO-19-266	705141.1	5491376.3	285.3	651	359.7	-50.2	11-Apr-19	22-Apr-19
DO-19-267	707981.1	5490394.9	301.2	252	14.1	-70.9	10-Apr-19	12-Apr-19
DO-19-268	708048.4	5490273.2	302.3	357	359.7	-56.1	11-Apr-19	14-Apr-19
*NAD83 / UTM zone 17N; the majority of collars were surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment								
**Two collars were surveyed by a handheld GPS								
***Azimuth and dip at collar								
****The 114m assigned to DO-19-105X represent a deepening of a historical hole DO-12-105 from 467.5 to 581.5m								

The drilling was performed by Forage Orbit Garant Inc. (**Orbit-Garant**) from Val-d'Or, Quebec, and Forage Pikogan Inc. (**Pikogan**) from Pikogan, Quebec.

Pikogan utilized two Orbit YS-1500 skid-mounted drill rigs, and Orbit-Garant used two rigs of the same model.

Drilling was conducted by using standard 3-meter NQ rods for coring (47.6 mm core diameter) and NW rods for casing (76.2 mm diameter). Each drill operated 24 hours per day, except when broken down or under-staffed.

The drilling rates averaged 32 m per day, with a range from 29 to 38 m/day. These averages include breakdown or idle times (Table 4).

Table 4. Summary of drilling by Drill ID

Company	Drill ID	Count of DDH	Total (m)	Start Date	End Date	Drill Days	Avg (m/day)*
ORBIT GARANT	SH-81	4	1,794	25-Mar-19	25-Apr-19	31	29
ORBIT GARANT	SH-93	3	1,131	01-Apr-19	18-Apr-19	17	31
FORAGE PIKOGAN	PK1	5	1,860	27-Mar-19	19-Apr-19	23	38
FORAGE PIKOGAN	PK3	3	1,260	06-Apr-19	24-Apr-19	18	31
		15	6,045			89	32
*includes breakdowns							

The average recovery of core was 99.3 %, ranging from 99.1% to 99.8% by hole. There was 100% recovery in 80% of the runs. The average RQD (Rock Quality Designation) values were above 85% ranging from 86.6 to 97.1%, with the exception of DO-19-262 (69.2% RQD) which had several intervals of rubbly core.

The vertical length of the overburden from ground surface to the bedrock ranged from 3 to 44 m; in 71% of the holes, it was between 10 and 35 meters.

3.2 UNITS OF MEASUREMENT

All drill hole locations were planned and recorded using the Universal Transverse Mercator (**UTM**) coordinate system with the reference to the North American Datum 1983 (**NAD83**), Zone 17.

All measurements were taken in the metric system.

Drillhole collars locations were spotted prior to drilling using a handheld Garmin GPS unit (model GPSMAP 64SC). The magnetic declination was updated at the beginning of the drill program using the online calculator from Department of Natural Resources Canada website. As of March 20, 2019, the value was 12° 58.44' West (Figure 5).

Since 2005, the drillholes are named in sequence starting with the project name DO (Douay), then the last two digits of the year, followed by a sequential drillhole number in ascending order.

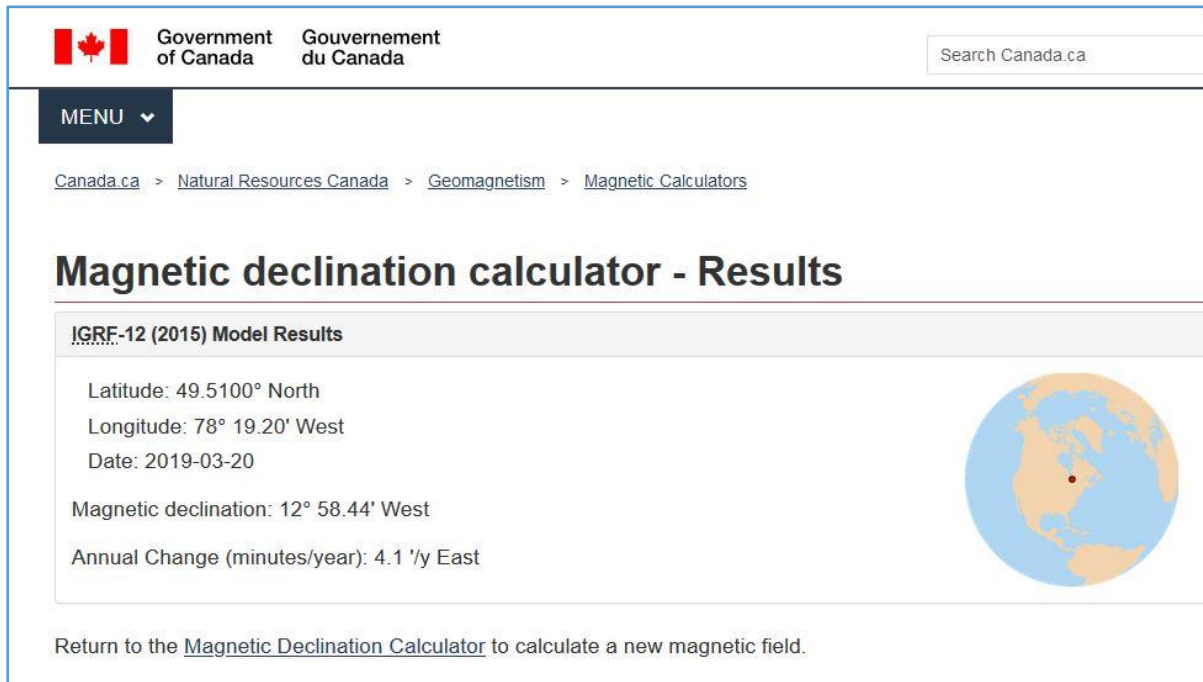


Figure 5. Magnetic declination as of March 20, 2019

3.3 DRILLING RESULTS

Fifteen drillholes were completed during the winter program in 2019 for a total of 6,045 meters. Nine holes were completed within the resource area on Porphyry, 20, 10 and 531 Zones, four holes were drilled on the Nika zone, and two holes were testing the potential extension of gold mineralization outside of the resource area. There was no 2019 drilling within Douay West, Northwest, Central, or Main Zones. Figure 6 shows a general location of the 2019 target areas and Figure 7 provides a detailed planview of drillhole collar locations.

Drill core was logged and sampled by qualified geologists:

1. Coyle Terrence Phillip, P.Geo (OGQ #2079),
2. Gagnier Claude, P.Geo (OGQ #1068),
3. Pershkepia Ardian, P.Geo (OGQ #2143),
4. Sokolov Maria, P.Geo (OGQ #1491),
5. Stavre Even, P.Geo (OGQ #2144).

Geotechnical data were collected by qualified technicians:

1. Dioulo Roland,
2. Golovkin Pavel,
3. Mapachee Kevin,
4. Ruperthouse Wesley.

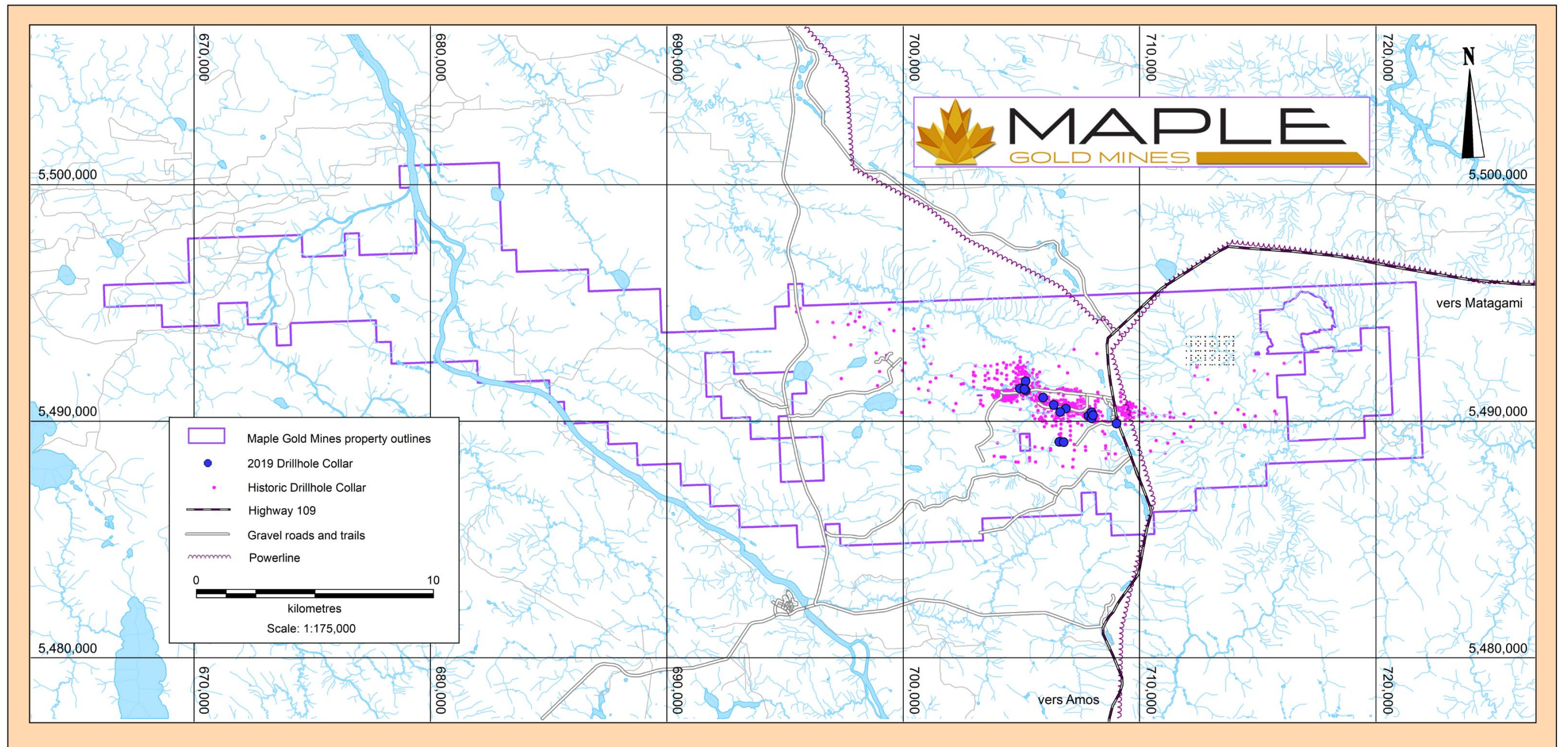


Figure 6. General drillhole collar location map

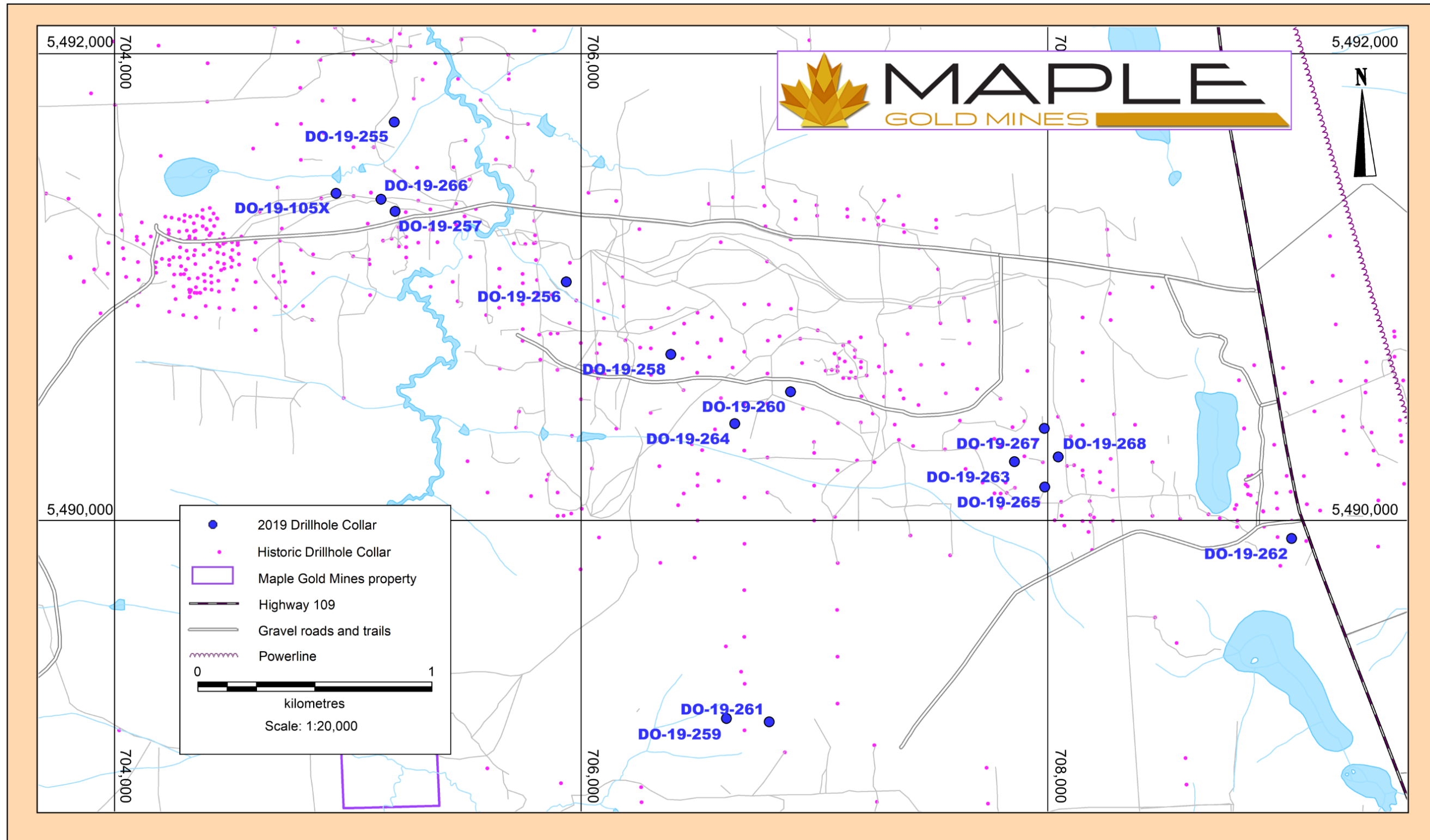


Figure 7. Detailed drillhole collar location map

Upon receiving assay results, significant gold intersections were reviewed in detail with the help of X-ray fluorescence (XRF) analysis. As a result, some lithological units were re-interpreted and the current interpretation may differ from that in the original logs.

3.3.1 NIKA ZONE

Four holes totaling 1,794 m were drilled on Nika in 2019. The primary objectives for drilling in this area were 1) to follow-up on new mineralization discovered in 2018, and 2) to test the continuity of gold mineralization by deepening historical hole DO-12-105, which ended in 21.1 g/t Au over the last 1.5 meters.

Three follow-up drillholes were completed to test continuity of mineralization in discovery hole DO-18-218, which intersected multiple both narrow and broad intervals of low to high gold grade, including an exceptional interval, which assayed 1.77 g/t Au over 50 m. All three holes were drilled in a northerly direction. Similarly to DO-18-218, they cut through mixed syenite-basalt and intersected several mineralized zones of variable width proving the continuity of gold mineralization at depth and near surface.

Drillhole **DO-19-255** (AZ 358.2°/DIP -59.1°, length 354m, section 705200E) was testing up-dip of DO-18-218 and was collared a rather aggressive 210 m to the north. The hole intersected a heterogeneous mix of basalt and porphyritic intervals of intermediate to felsic composition (syenite to monzonite, possibly granodiorite) with occasional injections of calcite-dominant carbonatites. The rocks are extensively overprinted by hematite, carbonate and potassic alteration, frequently faulted, sheared, fractured, with zones of crackle brecciation. Mafic and porphyritic rocks are often present as blocks or lapilli-size fragments. This could indicate that the hole went through the lithotectonic boundary between Cartwright Hill and Taibi Groups. The gold intercepts, mostly below 1 g/t Au, are concentrated in the upper portion of the hole, between 37.25 and 264 meters. Four meter-long samples assayed between 1.03 and 2.96 g/t Au.

Drillhole **DO-19-257** (AZ 356.7°/DIP -49.3°, length 675m, section 705200E) was collared 170 m south, again a rather aggressive step-out, from DO-18-218 and was aiming to test the potential down-dip extension of mineralization intersected by the latter in 2018. As was the case for DO-19-255, hole DO-19-257 intersected a highly altered and deformed heterogeneous package of porphyritic syenitic rocks and basalts with variable pyrite mineralization, which ranged from a few percent up to 15% of fine disseminated and fine-grained fracture-controlled pyrite. The drillhole ended in a strongly sericitized and sheared package, which could be felsic tuffs or sedimentary rocks of the Taibi group. The upper portion of the hole has several scattered, narrow, low-grade zones. From about 378 m to the bottom of the hole, mineralization is broader and includes eight meter-long intervals, which assayed above 1 g/t Au, including one sample of 7.2 g/t Au.

Drillhole **DO-19-266** (AZ 359.7°/DIP -50.2°, length 651m, section 705100E) was collared 135m SE of DO-18-218 and 225m S of DO-18-217 and was designed to test the down-dip extension and continuity of a broad halo of gold mineralization that had been found in both 2018 holes. Likewise, DO-19-266 went through a mix of syenite and basalt, strongly deformed and overprinted by intense hematite, carbonate and potassic alteration. The bottom of the hole intersected sheared felsic to intermediate volcanics or tuffs, which most likely belong to the Taibi group. Several mineralized zones encountered in the upper portion of the hole are rather narrow, 1 to 4 meter long, and occur in an isolated pattern. The broader zones were intersected below 420 m and to a depth of 628 m. The longest intercepts were 28 m at 0.60 g/t Au (420-448 m) and 77 m at 0.58 g/t Au (544-621 m). Sixteen meter-long samples assayed between 1.0 and 4.9 g/t Au. Two best high-grade zones, 4 m at 2.75 g/t Au (at 607-611 m) and 3 m at 2.93 g/t Au (at 618-621 m), occur within sheared sericitized volcanic or volcanoclastic rocks (probably of the Taibi group).

Drillhole **DO-19-105X** (AZ 360°/DIP -45°, length 114m (from 467.5 to 581.5m), section 704900E) was planned as an extension of the hole DO-12-105 drilled in 2012, which ended in a mineralized zone with 21.1 g/t Au. The extension intersected a broad mineralized interval (from 467.5 to 507.5m) with gold grades ranging from 0.10 to 9.74 g/t Au. The combined 2012 and 2019 intercept returned 42.5m averaging 1.75 g/t Au, including a high-grade interval averaging 2.86 g/t Au over 8m.

The dominant lithology intersected by this drillhole extension is basalt, possibly gabbroic, with variable proportions of syenitic injections. The upper portion of the hole appears highly altered and deformed, almost beyond recognition of primary rock texture and composition. It is mineralized with both low-grade and high-grade gold intervals. The higher-grade sections share similar characteristics, such as bleaching caused by extensive carbonatization, deformation (fracturing, brecciation, localized foliation caused by shearing) and significant pyrite mineralization. Such bleached and mineralized zones occur at 473.25-473.6m, 486.5-488.0m, 488.9-490.7m and 495.3-496.9m.

The extensive carbonatization that affected the original rocks is linked to the injections of calcite-dominant carbonatites. The XRF data demonstrate strong enrichment in REEs (Ce, Nd, La, Pr, Y), P and Sr, as well as elevated Nb, Zr and Th. The array of overprinting metasomatic reactions and uncommon mineral assemblages require a thorough petrographic and geochemical examination.

There are two distinct generations of pyrite. One occurs in bleached intervals at concentrations ranging from 5 to 15% as very fine, disseminated grains and fine-grained pyrite aggregates. Another generation of pyrite is typically observed in less bleached/carbonatized zones. There, pyrite is present in the form of fine to medium-grained aggregates replacing magnetite. The finer generation of pyrite appears younger and is often associated with higher gold grades. It is notably paler, more silvery than pyrite formed during

sulphidation of magnetite, probably due to slightly elevated As (250-900 ppm). A tiny speck of visible gold was noted at 495.55m.

Pyrite mineralization stops at 507.75m, as do the gold grades. The bottom portion of the hole is composed of mixed basalt and syenite, frequently sheared and brecciated, with occasional carbonatite injections. It is quite possible that the hole ended at the lithotectonic boundary between Cartwright Hill and Taibi Groups.

Table 5. Gold intercepts on Nika Zone

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
DO-19-255	705199.3	5491705.2	283.7	354	360	-50	37.25	60.0	22.75	0.26
<i>including</i>							42.0	43.0	1.0	1.25
<i>including</i>							52.0	53.0	1.0	1.03
DO-19-255							64.5	69.0	4.5	0.35
DO-19-255							79.0	85.0	6.0	0.22
DO-19-255							98.0	100.0	2.0	0.55
DO-19-255							106.0	116.0	10.0	0.27
DO-19-255							121.0	127.0	6.0	0.31
<i>including</i>							123.0	124.0	1.0	1.05
DO-19-255							130.0	132.0	2.0	1.57
<i>including</i>							131.0	132.0	1.0	2.96
DO-19-255							178.0	180.0	2.0	0.18
DO-19-255							205.0	212.0	7.0	0.13
DO-19-255							240.0	246.0	6.0	0.26
DO-19-255							249.0	255.0	6.0	0.27
DO-19-255							259.0	264.0	5.0	0.45
DO-19-257	705199.6	5491325.2	285.7	675	356.7	-48.3	52.5	53.25	0.75	0.45
DO-19-257							66.0	71.0	5.0	0.18
DO-19-257							93.8	95.6	1.8	0.17
DO-19-257							185.0	187.0	2.0	0.26
DO-19-257							215.0	218.0	3.0	0.24
DO-19-257							378.0	383.0	5.0	0.33
DO-19-257							388.0	514.0	126.0	0.34
<i>including</i>							399.0	400.0	1.0	1.39
<i>including</i>							406.0	407.0	1.0	2.51
<i>including</i>							425.0	426.0	1.0	1.30
<i>including</i>							427.0	428.0	1.0	2.26
<i>including</i>							443.0	444.0	1.0	1.17
<i>including</i>							505.0	514.0	9.0	0.75

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
DO-19-257							521.0	524.0	3.0	0.24
DO-19-257							557.0	559.0	2.0	0.33
DO-19-257							563.0	578.0	15.0	0.26
DO-19-257							585.0	586.0	1.0	0.31
DO-19-257							595.0	605.0	10.0	0.89
<i>including</i>							595.0	596.0	1.0	7.20
DO-19-257							621.0	631.0	10.0	0.31
DO-19-257							638.0	671.0	33.0	0.22
DO-19-266	705141.1	5491376.3	285.3	651	359.7	-50.2	66.0	67.0	1.0	0.28
DO-19-266							71.0	72.0	1.0	1.21
DO-19-266							128.0	129.0	1.0	0.78
DO-19-266							209.0	212.0	3.0	0.27
DO-19-266							215.0	219.0	4.0	0.39
DO-19-266							233.0	238.0	5.0	0.13
DO-19-266							259.0	260.0	1.0	1.49
DO-19-266							263.0	264.0	1.0	0.58
DO-19-266							343.0	345.0	2.0	0.19
DO-19-266							368.0	371.0	3.0	0.29
DO-19-266							380.0	381.0	1.0	0.27
DO-19-266							383.0	384.0	1.0	0.59
DO-19-266							420.0	448.0	28.0	0.60
<i>including</i>							426.0	434.0	8.0	1.30
<i>including</i>							430.0	431.0	1.0	4.40
DO-19-266							461.0	469.0	8.0	0.38
<i>including</i>							462.0	463.0	1.0	1.57
DO-19-266							477.0	480.0	3.0	0.24
DO-19-266							512.0	518.0	6.0	0.41
DO-19-266							539.0	542.0	3.0	0.15
DO-19-266							544.0	621.0	77.0	0.58
<i>including</i>							544.0	548.0	4.0	1.37
<i>including</i>							607.0	611.0	4.0	2.75
<i>including</i>							618.0	621.0	3.0	2.93
DO-19-266							623.0	628.0	5.0	0.26
DO-19-105x	704949.5	5491404.0	285.5	114	360	-45	467.5	507.5	40.0	1.06
<i>including</i>							472.5	473.5	1.0	3.45
<i>including</i>							479.5	480.5	1.0	1.86
<i>including</i>							488.5	496.5	8.0	2.86
<i>including</i>							494.5	496.5	2.0	7.03
<i>including</i>							500.5	501.5	1.0	1.17
<i>including</i>							503.5	507.5	4.0	1.43

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
*NAD83 / UTM zone 17N; the majority of collars were surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment										
Note: Azimuth and dip are in degrees, length and elevation are in meters										



Figure 8. Photo of the core from drillhole DO-19-105X. Salmon pink Ca-carbonatite vein with brecciated fragments of carbonatized basalt; half-sawn NQ drill core (47.6 mm); 484.5-485.5 m @ 0.20 g/t Au.



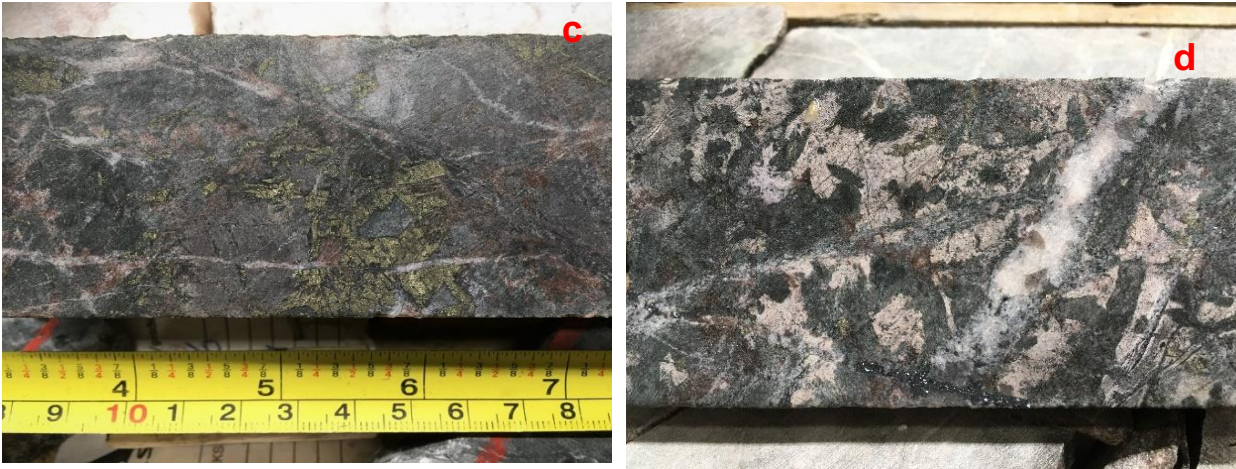


Figure 9. Photos of the core from the drillhole DO-19-105X, NQ-size (47.6 mm diameter), half-sawn.

- a) Red fragments of syenite in pervasively carbonatized basalt, mineralized by fine pyrite. Purple-colored are REE-enriched alteration assemblages. 485.5-486.5m @ 0.44 g/t Au;
- b) Fine-grained pyrite aggregates in bleached, carbonatized basalt with syenite fragments; 495.5-496.5m @ 9.74 g/t Au;
- c) Pyrite aggregates replacing magnetite in deformed, carbonatized basalt with minor syenitic injections; 481.5-482.5m @ 0.02 g/t Au;
- d) Coarse-textured metasomatized basalt with beige-grey leucoxene-dominant alteration assemblages, which contain inclusions of fine magnetite, apatite, carbonate and other non-identified secondary minerals. Leucoxene replaces dark brown grains of Ti-garnet (melanite) and probably other Ti-bearing minerals. 492.5-493.5m @ 0.70 g/t Au.

3.3.2 PORPHYRY ZONE

Eight drillholes were completed on the Porphyry Zone for a total of 3,120 meters. Two holes were drilled on its western flank, two in the middle portion known as Zone 20, and four holes were completed on the eastern flank.

Porphyry Zone (West)

Drillhole **DO-19-256** (AZ 356.7°/DIP -61.3°, length 180m, section 705900E) was meant to demonstrate the presence of near-surface mineralization. It was drilled entirely in intrusive rocks consisting of porphyritic and finer-grained, aplitic phases of syenite with minor intervals of highly altered basalt. Gold mineralization was concentrated in the upper half of the hole with grades ranging from 0.1 to 5.09 g/t Au. Characteristic of mineralized zones were strong Fe-carbonatization, strong brittle deformation, and the presence of fluorite and albite in fractures and as cement in crackle brecciated parts and in small dissolution vugs. Higher gold values showed a positive correlation with the higher percentages of pyrite in Fe-carbonatized zones. However, similarly pyritized intervals with calcite and specular hematite

alteration instead of Fe-carbonate had lower or no gold values. The mineralization was cut off in the lower half of the hole by a fracture/fault zone and post-mineralization carbonatite dykes.

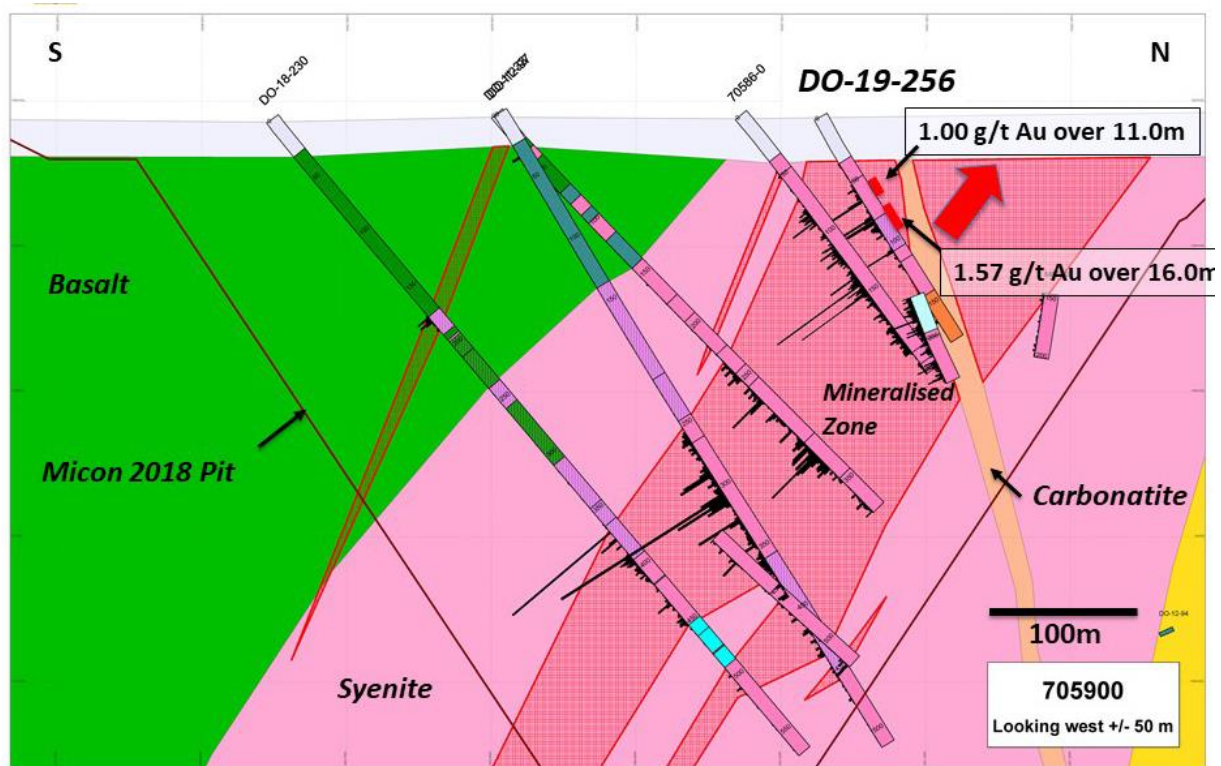


Figure 10. Section 705900E including hole DO-19-256. Note that this near-surface mineralized zone is open to the north. Broader mineralized zone is defined using 0.1 g/t Au cut-off, but may include internal lower grade material. (Source: MGM website, press release of May 29, 2019).

Drillhole **DO-19-258** (AZ 358.2°/DIP -55.1°, length 342m, section 706400E) was drilled to test the down-dip continuity of a significant intercept from 2012 (DO-12-95) collared on the same section, which gave 1.48 g/t Au over 27.5 m. The drillhole intersected a mixed lithological package consisting of highly deformed and variably altered basalt and multiple phases of the syenitic complex, porphyritic and aplitic. All lithologies were frequently mineralized by up to 10% pyrite. Results support the down-dip continuity of this mineralized zone, with comparable intercepts in each case. Both 2019 and previous drill results outline a much broader mineralized envelope including lower grade material; the broader lower-grade halo in DO-19-258 extends for 176 meters downhole. This hole ended at 342 m depth in geologically similar rocks as the highlighted intercept, including the last interval at 338-339 m, which assayed 1.17 g/t Au, leaving this mineralized zone open both down-dip and downhole.

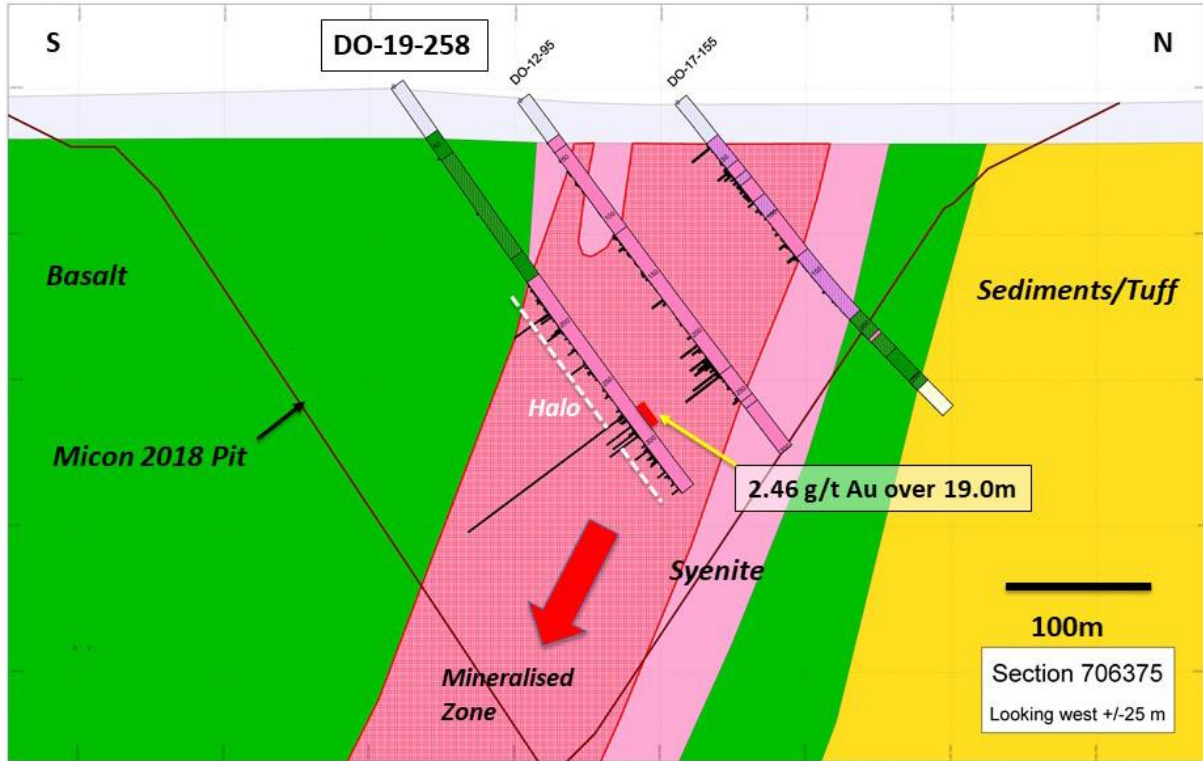


Figure 11. Section 706375E including hole DO-19-258, illustrating the down-dip continuity of mineralization cut in historical hole DO-12-95; mineralization remains open to depth (down-dip and downhole). Note variable individual sample grades in highlighted DO-19-258 drill intercept, the longest black bar is equal to 26.7 g/t Au. (Source: MGM website, press release of May 29, 2019).

Table 6. Gold intercepts on Porphyry Zone (West)

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
DO-19-256	705940.3	5491025.7	286.5	180	356.7	-61.5	34.5	38.0	3.5	0.15
DO-19-256							51.4	106.3	54.9	0.79
<i>including</i>							55.0	66.0	11.0	1.02
<i>including</i>							64.0	66.0	2.0	3.62
<i>including</i>							77.0	88.0	11.0	2.42
<i>including</i>							104.0	106.3	2.3	2.08
DO-19-256							108	120	12.0	0.20
DO-19-256							162.0	164.0	2.0	0.33
DO-19-258	706384.0	5490712.5	289.4	342	358.2	-55.1	163.0	339.0	176.0	0.58
<i>including</i>							188.0	192.0	4.0	2.38
<i>including</i>							201.0	204.0	3.0	1.74

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
<i>including</i>							218.0	220.0	2.0	0.89
<i>including</i>							231.0	232.0	1.0	2.63
<i>including</i>							274.0	295.0	21.0	2.42
<i>including</i>							275.0	276.0	1.0	30.40
<i>including</i>							284.0	285.0	1.0	4.29
<i>including</i>							289.0	290.0	1.0	3.92
<i>including</i>							292.0	293.0	1.0	4.88
<i>including</i>							303.0	305.0	2.0	1.53
*NAD83 / UTM zone 17N; the majority of collars were surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment										
Note: Azimuth and dip are in degrees, length and elevation are in meters										

20 Zone

Drillhole **DO-19-260** (AZ 357.5°/DIP -59.7°, length 564m, section 706900E) was drilled to test the down-dip of DO-11-41, which gave 13.5 m at 1.38 g/t Au and several other lower-grade intercepts. DO-19-260 was collared 130 m southeast of DO-11-41 and drilled in the same direction. The hole went through a syenitic complex consisting of porphyritic and aplitic phases followed by a strongly sheared and altered package of alternating basalt and syenitic dykes. The bottom half of the hole intersected several narrow and broad mineralized zones with grades ranging from 0.1 to 7.53 g/t Au over 1 m intervals.

Drillhole **DO-19-264** (AZ 352.2°/DIP -46.4°, length 651m, section 706600E) was originally designed to test the depth continuity of a very strong 2018 intercept in DO-18-216 (52m averaging 3.53 g/t Au, or 1.46 g/t Au capped at 13 g/t). Having intersected mineralized zones in the upper portion as anticipated, DO-19-264 then deviated more than expected from its projected path, with the two above-mentioned holes ending approximately 150 m apart in an EW direction downhole. As a result, the depth continuity was not adequately tested as planned. Nevertheless, results from DO-19-264 still support the down-dip continuity of the broader mineralization envelope and the presence of higher-grade mineralization within it.

DO-19-264 intersected: 1) a mixed zone of alternating intervals of massive basalt with syenite injections and intervals of syenite with variable amounts of digested mafic material, 2) coarse-grained syenite to monzonite, most likely poly-phase, and 3) alternating basalt and fine to medium-grained syenite. All intervals were subjected to significant brittle-ductile deformation and metasomatism resulting in hematite, carbonate, albite, and sericite alteration assemblages, and were variably mineralized by 0.5 to 7% of pyrite as fine disseminated grains and fine-grained aggregates. From top to bottom, the drillhole intersected multiple narrow and broad intervals of low to high gold grades, including the best intercept of 14 m averaging 1.56 g/t Au.

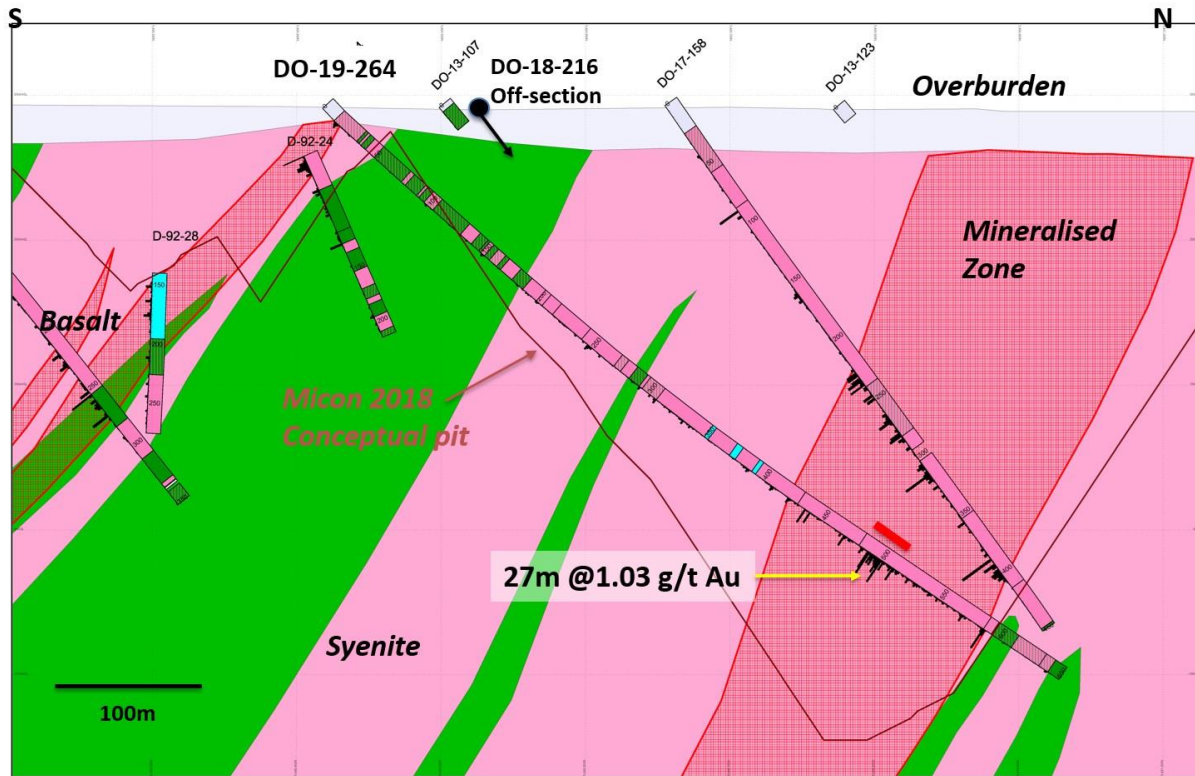


Figure 12. Section 706650E showing drillhole DO-19-264 (with ±50m corridor); mineralized zone uses 0.1 g/t cut-off. DO-18-216 is off section. (Source: MGM website, press release of May 29, 2019).

Table 7. Gold intercepts on 20 Zone

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
DO-19-260	706900.7	5490549.2	295.7	564	357.5	-59.7	109.0	115.0	9.0	0.22
DO-19-260							126.0	128.0	2.0	1.19
DO-19-260							136.0	138.0	2.0	0.30
DO-19-260							378.0	384.0	6.0	0.68
<i>including</i>							380.0	384.0	4.0	0.96
<i>including</i>							383.0	384.0	1.0	2.64
DO-19-260							422.0	488.0	66.0	0.44
<i>including</i>							432.0	445.0	13.0	0.64
<i>including</i>							432.0	434.0	2.0	1.63
<i>including</i>							450.0	456.0	6.0	0.45
<i>including</i>							465.0	469.0	4.0	1.19
<i>including</i>							476.0	480.0	4.0	0.53

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
<i>including</i>							485.0	486.0	1.0	7.53
DO-19-260							504.0	517.0	13.0	0.16
DO-19-264	706658.3	5490418.0	292.9	651	352.2	-46.4	12.3	16.0	3.7	0.45
DO-19-264							246.0	250.0	4.0	0.44
DO-19-264							305.0	307.0	2.0	0.45
DO-19-264							421.0	424.0	3.0	0.43
DO-19-264							435.0	449.0	14.0	0.36
<i>including</i>							435.0	436.0	1.0	2.11
<i>including</i>							439.0	440.0	1.0	1.67
DO-19-264							468.0	476.0	8.0	0.40
<i>including</i>							468.0	469.0	1.0	1.59
DO-19-264							482.0	572.0	90.0	0.44
<i>including</i>							488.0	502.0	14.0	1.56
<i>including</i>							505.0	511.0	6.0	0.67
DO-19-264							582.0	588.0	7.0	0.71
<i>including</i>							585.0	588.0	3.0	1.50
*NAD83 / UTM zone 17N; the majority of collars were surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment										
Note: Azimuth and dip are in degrees, length and elevation are in meters										

Porphyry Zone (East)

The four drillholes planned on the eastern flank of the Porphyry Zone were designed to test the continuity of known mineralized zones intersected by holes drilled in 2018, DO-18-247 and DO-18-254, and to extend them near-surface and at moderate depths.

Drillhole **DO-19-263** (AZ 1.8°/DIP -51.3°, length 357m, section 707900E) aimed to verify the up-dip continuity of the mineralized zone intersected by the drillhole DO-18-247, which gave 3.49 g/t Au over 21 m. This has been achieved by cutting 8.7 m at an average grade of 1.14 g/t Au from 273 to 281.7 m (approximately 200m vertical), including a 6 m zone of 1.45 g/t Au. Gold mineralization was concentrated in fractured and locally brecciated syenite, which contained up to 10% carbonatized and hematitized fragments of sheared magnesian basalt and mineralized by up to 5% pyrite.

Drillhole **DO-19-265** (AZ 12.1°/DIP -48.2°, length 417m, section 708000E) tested the down-dip continuity of the mineralized zone intersected by DO-18-254, which gave 27.5 m of 1.24 g/t Au. DO-19-265 confirmed the presence of near-surface higher-than-deposit-average grades in this area by cutting 13 m at an average grade of 1.04 g/t Au, including 9 m averaging 1.36 g/t Au.

The mineralized zone starts right below the overburden-bedrock interface at 66-79 m. It occurs within magnesian basalt, which was injected by 5-25% reddish or beige syenitic injections, several mm up to 1.5 dm wide. The interval is strongly fractured, in parts foliated/sheared and brecciated. The least altered basalt is fine-grained, aphyric, dark grey with bluish and greenish tinge and variably magnetic due to the presence of fine grains of magnetite. In most parts, especially injected by syenite, basalt is variably altered, often patchy bleached around injections and calcite-filled fractures. Alteration includes patchy to pervasive chlorite, biotite, calcite, minor patchy hematite and sericite. White calcite-filled fractures and veinlets often contain green prismatic or acicular crystals and masses of (probably) actinolite. The interval is mineralized by trace to 2-3% very fine to small pyrite grains and aggregates associated with syenite injections. The highest gold values (2.37-2.47 g/t Au) correspond to a strongly weathered, rusty interval with dissolution cavities - a shear or fault zone. After this zone, basalt appears pervasively chloritized with numerous fractures filled by epidote. The bottom of the hole intersected several isolated narrow mineralized intervals with grades not exceeding 0.76 g/t Au.

Drillhole **DO-19-267** (AZ 14.1°/DIP -70.9°, length 252m, section 708000E) was designed to test the area located up-dip of the syenite-hosted mineralized zone, which was intersected by DO-18-254 at 259-324m and which returned 0.72 g/t over 65 m, including 1.25 g/t over 27.5 m. DO-19-267 cut through alternating intervals of porphyritic syenite and fine to medium-grained massive basalt. Pyrite concentrations ranging from 2 to 10% were frequently observed in zones of brittle deformation within syenite and in sheared basalt. Mineralization was commonly associated with pervasive carbonatization in both lithologies and hematite alteration of variable intensity in syenite dykes and syenitic injections within basalt. The hole cut multiple gold intercepts, including 7 m averaging 1.49 g/t Au from 145 m downhole (approximately 130 m vertical). The mineralized domains identified in the drillhole DO-19-267 show good correlation with the zones intersected by the 2018 hole, confirming up-dip continuity of mineralization.

Drillhole **DO-19-268** (AZ 359.7°/DIP -56.1°, length 357m, section 708000E) was testing the possible up-plunge of the DO-18-254 east extension and was collared about 70 m ENE from the 2018 hole. It went dominantly through basalt, often variably altered and injected by 5 to 25% dykelets and dykes of syenitic to felsic composition. Alteration included chlorite-calcite-epidote, Fe-carbonate-sericite (causing bleaching), and biotite-hematite-calcite assemblages. Starting from 266.5 m downhole (approximately 210 m vertical), the hole cut multiple intercepts ranging from 0.10 to 1.0 g/t Au and six intercepts above 1.0 g/t Au. One exceptional intercept of 9.99 g/t Au occurred at 269-270 m in strongly fractured, sheared, biotite-altered, amygdaloidal basalt with 50% syenitic injections and late carbonatite veinlets. Another outstanding intercept of 5.3 g/t Au at 328-329 m was in strongly fractured chloritized basalt and contained two tiny clusters of visible gold in a quartz-filled fracture. This hole ended in mineralization within sheared basalt with syenitic injections and, thus, requires a follow-up attention.

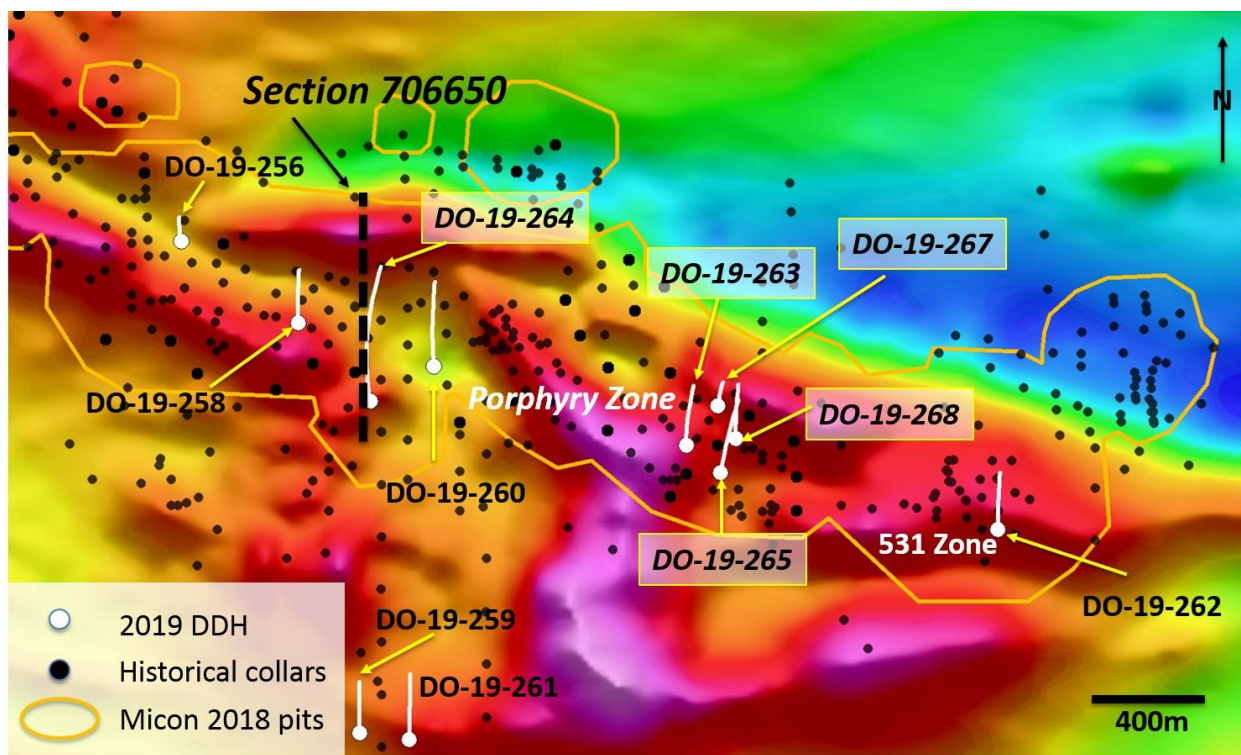


Figure 13. Drill plan with 2019 Porphyry and 531 Zone drillholes on residual total field magnetic background image. (Source: MGM website, press release of May 29, 2019).

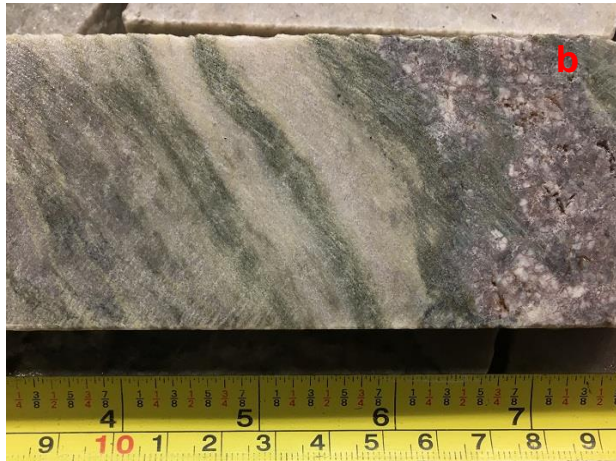
Table 8. Gold intercepts on Porphyry Zone (East)

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
DO-19-263	707859.7	5490248.7	300.1	357	1.8	-51.3	272.0	281.6	9.65	1.04
<i>including</i>							275.0	281.0	6.0	1.45
DO-19-263							341.0	342.0	1.0	0.42
DO-19-265	707996.0	5490145.9	301.6	417	12.1	-48.2	66.0	79.0	13.0	1.04
<i>including</i>							70.0	79.0	9.0	1.36
DO-19-265							366.0	367.0	1.0	0.31
DO-19-265							374.0	375.0	1.0	0.36
DO-19-265							387.5	388.5	1.0	0.76
DO-19-267	707981.1	5490394.9	301.2	252	14.1	-70.9	108.9	119.0	10.1	0.27
DO-19-267							137.0	143.0	6.0	0.20
DO-19-267							145.0	153.0	8.0	1.32
<i>including</i>							145.0	150.0	5.0	1.90
DO-19-267							157.0	167.0	10.0	0.87
<i>including</i>							161.0	167.0	6.0	1.35

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
<i>including</i>							162.0	163.0	1.0	2.41
<i>including</i>							164.0	165.0	1.0	4.15
DO-19-267							179.0	184.0	5.0	0.75
DO-19-267							190.0	203.0	13.0	0.76
<i>including</i>							190.85	191.85	1.0	6.22
DO-19-267							215.35	222.0	6.65	0.38
DO-19-267							226.0	228.0	2.0	0.61
DO-19-267							240.0	241.0	1.0	2.03
DO-19-268	708048.4	5490273.1	302.3	357	359.7	-56.1	266.5	267.5	1.0	2.07
DO-19-268							269.0	272.0	3.0	3.60
<i>including</i>							269.0	270.0	1.0	9.99
DO-19-268							277.0	279.5	2.5	0.58
DO-19-268							283.5	285.4	1.9	0.28
DO-19-268							328.0	329.0	1.0	5.30
DO-19-268							335.0	338.5	3.5	1.00
<i>including</i>							338.0	338.5	0.5	3.79
DO-19-268							351.0	352.0	1.0	1.93
DO-19-268							356.5	357.0	0.5	0.46

*NAD83 / UTM zone 17N; the majority of collars were surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment

Note: Azimuth and dip are in degrees, length and elevation are in meters



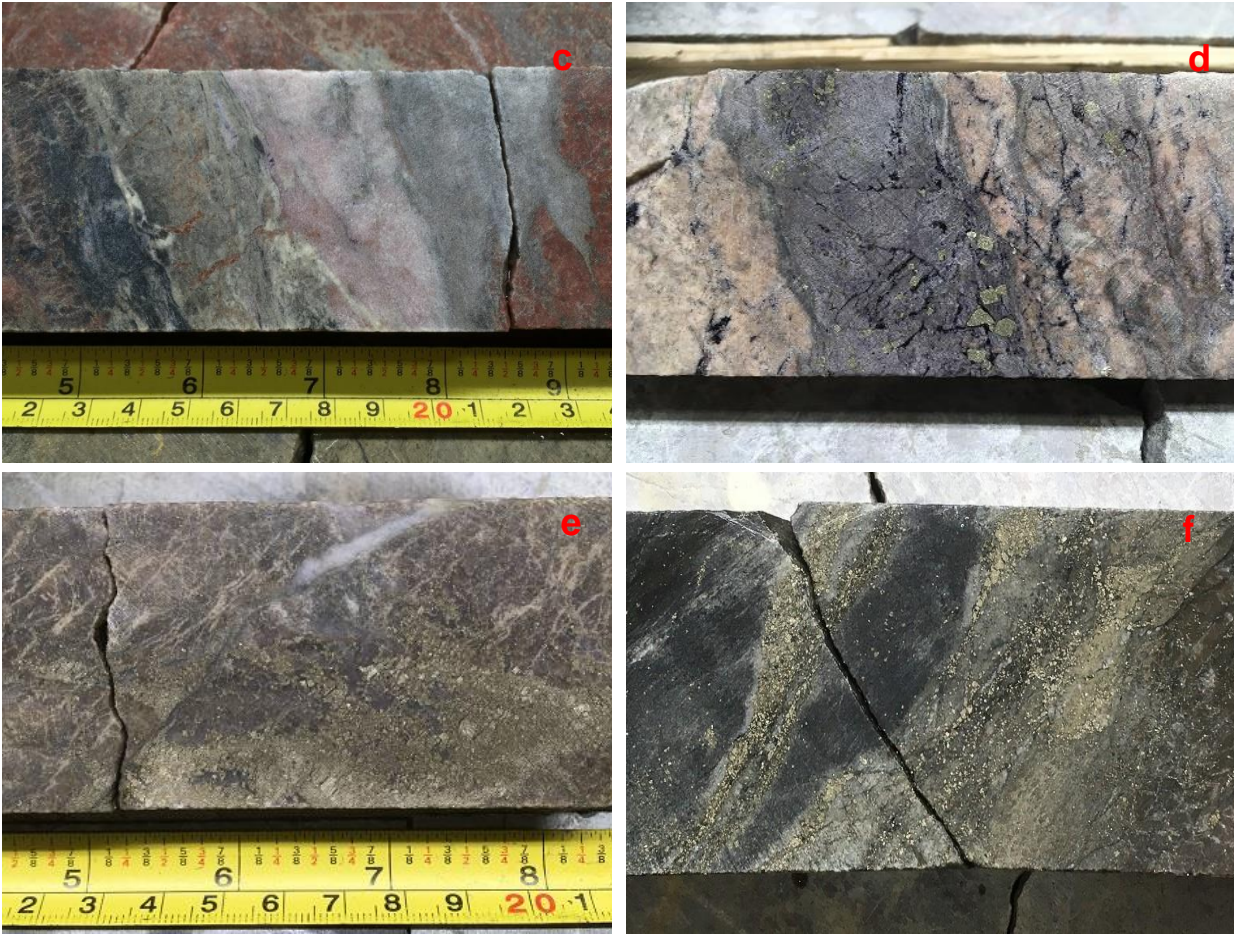


Figure 14. Photos of core from holes drilled on the Porphyry Zone, NQ-size (47.6 mm diameter), half-sawn.

- a) Fluorite-filled cracks and pyrite mineralization in syenite; DO-19-256, 65-66m @ 5.03 g/t Au.
- b) Foliated carbonatite injected into coarse-grained syenite-monzonite; DO-19-256, 158-159m, no gold grades.
- c) Pink and grey poly-phase carbonatite injection in syenite, 1% fine disseminated pyrite; DO-19-263, 276-277m @ 1.81 g/t Au.
- d) Fluorite-filled cracks and pyrite mineralization in bleached coarse-grained syenite-monzonite; DO-19-264, 484-485m @ 0.45 g/t Au.
- e) Fine to medium-grained pyrite aggregates in fractured, carbonatized porphyritic syenite-monzonite; DO-19-267; 146-147m @ 4.35 g/t Au.
- f) Pyrite mineralization in a mixed basalt-syenite zone with carbonatite injections; DO-19-268, 269-270m @ 9.99 g/t Au.

3.3.3 531 ZONE

Drillhole **DO-19-262** (AZ 358.2°/DIP -59.1°, length 432 m, section 709000E), the single hole drilled on 531 Zone in 2019, appears to be the most significant drillhole of the winter 2019 program regarding the continuity of gold mineralization, grade consistency, and significant metal accumulation (gold grade multiplied by thickness). Based on the new 3D geological model established in 2018, this hole was planned to test the down-dip continuity of D-92-41 intercept (1.14 g/t over 48.4 m, including 2.25 g/t Au over 18.3 m) and to explore the potential for new mineralized zones further to the south.

The dominant lithological units intersected by the hole were mafic flows - massive, variolitic and locally amygdaloidal. The subordinate lithologies included interflow sediments and possibly thin felsic flows. The hole ended in serpentinitized and chloritized komatiitic basalt. Red-burgundy zones, initially described as basalt with syenitic injections, were later re-interpreted and are currently viewed as basalt variably metasomatized by alkaline (finitizing) fluids.

DO-19-262 intersected three mineralized domains at 257-277, 286-330 and 378-429 meters.

1. **The first mineralized domain at 257-277m** - assays returned 0.48 g/t Au over a 20m-long interval with grades ranging from 0.10 to 2.93 g/t Au (including three one-meter long intervals of 1.26, 1.64 and 2.93 g/t Au).

The mineralized zone occurs within basalt, which contains localized variolitic intervals. Basalt is sheared and exhibits moderately to well-developed foliation defined by chlorite fabrics and numerous carbonate veinlets. Five to 15% of the interval is patchy altered by red hematite, K-feldspar and carbonate.

The highest gold grades (1.64 and 2.93 g/t Au) correspond to a fractured and sheared (brittle-ductile) interval at 265.10-267.65m affected by patchy silica-iron carbonate-sericite alteration. Higher gold grades show a good correlation with higher amounts of pyrite mineralization. Two clusters of dusty gold specks were observed at 265.75 and 266.5m.

2. **The second mineralized domain at 286-330m** – assays returned 2.55 g/t Au over 28 m within a broader mineralized zone which assayed 2.01 g/t Au over 44 m with grades ranging from 0.02 to 13.05 g/t Au.

This mineralized domain occurs within a deformation zone with shear-induced foliation of variable intensity and localized intervals of fracturing and microbrecciation. The main lithology is mafic volcanics with localized variolitic and amygdaloidal textures. Green, chlorite-altered intervals alternate with dark grey-mauve hematite-K-feldspar-carbonate-altered intervals. At 308.45-309.05m, there is a strongly siliceous, albitized and sericitized aphanitic interval, possibly felsic volcanics or chert (exhalative?).

The domain is extensively mineralized by pyrite, which forms semi-massive, fine to medium-grained assemblages with calcite and fine magnetite, and occurs as disseminated grains and fracture-filling aggregates.

The presence of these spectacular pyrite-magnetite-calcite assemblages alone does not result in elevated gold grades. As an example, three consecutive, one-meter samples (291 to 294m) of chloritized basalt with 10 to 25% pyrite-magnetite-calcite aggregates returned 0.07, 0.09 and 3.36 g/t Au, respectively. The only difference was the presence of several millimetric stringers composed of grey quartz and creamy-white carbonate with minor yellowish sericite halos in the sample, which apparently produced a higher gold grade. These quartz stringers may well be the auriferous structures.

Over the length of the domain, high gold values were observed in:

- 1) hematite-carbonate-K-feldspar-altered basalt (286-291m, 314-330m);
- 2) an aphanitic, siliceous, albitized and sericitized interval (rhyolite? chert?) (308.45-309.05m);
- 3) strongly deformed, sheared, fractured, and in parts microbrecciated basalt with moderate to strong patchy bleaching caused by silica-carbonate-sericite alteration (309.05-312m, 313-314m);
- 4) basalt with greyish quartz veins and stringers accompanied by patchy carbonate and sericite alteration (305-307m).

The highest grade of 13.05 g/t Au corresponds to a contact between strongly bleached, sheared, microbrecciated basalt and a vuggy reddish interval (felsic dyke? sediments?) with calcite and specular hematite alteration. Basalt is mineralized with 10-15% pyrite forming fine and medium-grained aggregates, and the vuggy interval contains 2-4% fine disseminated pyrite.

3. **The third mineralized domain at 378-429m** – assays returned 2.81 g/t Au over 51m interval with elevated gold grades ranging from 0.10 to 12.2 g/t Au.

This mineralized domain occurs within a brittle-ductile shear zone characterized by moderately developed foliation and stockworks of carbonate-filled fractures and tension gashes.

From 378 to 417.5m, the lithology is dominated by variably altered basalt. It is overprinted by patchy to pervasive carbonate (calcite, dolomite), sericite, chlorite and hematite alteration of variable intensity, and localized silicification and fibrous sericite. Fine grains of magnetite and specular hematite are common in the matrix. Chloritic parts often have disseminated leucoxene. The heterogeneity of the alteration assemblages suggests that there were several overprinting episodes and that the fluids could have originated from different sources, orogenic and intrusion-related.

The highest gold grades are frequently associated with the intervals of carbonate-sericite-silica alteration. Abundant pyrite mineralization occurs throughout the zone in the form of fine and lesser medium-size disseminated cubic grains and as fine-grained, fracture-controlled aggregates. The amounts of pyrite vary from 1% to as much as 15% with an average of 3-5%. One quartz-carbonate vein in chloritized basalt (at 415m) contains two tiny clusters of dusty specks of gold.

From 417.5 to 428.4m, there are alternating intervals of two distinct rock types, both strongly altered (bleached) and sheared:

- 1) pale beige-grey, pervasively sericitized and Fe-carbonatized fine-grained rock – most likely highly altered basalt; and
- 2) medium grey to brownish grey, strongly siliceous and slightly sericitized and Fe-carbonatized rock with a fine to medium-grained matrix, which contains greyish quartz “eyes” and colorless to white feldspar grains – could be felsic dykes intruding basalt.

Contacts between the two types are typically distinct. Both lithologies are extensively mineralized by fine disseminated and fracture-controlled pyrite varying from two to 10-12% with an average of 3-5%. Gold grades here ranged from 0.7 to 12.2 g/t Au over metric intervals. Seven out of twelve samples assayed over 2 g/t Au.

This mineralized domain sharply ends at 428.4m being followed by non-mineralized strongly sheared komatiitic basalt.

The drillhole was stopped just 3.6 m below the high-grade zone. Deepening of the hole is required to test the continuity of gold mineralization and the potential for new zones at deeper levels. This area also remains open for the potential discovery of additional similar zones to the south, southeast and southwest. The zones intersected by DO-19-262 have comparable characteristics with Douay West such as a strong structural control on mineralization and alteration patterns, the high-grade style of gold mineralization and similar lithology (mafic and lesser ultramafic volcanics intercalated with sedimentary rocks and intruded by infrequent dykes of felsic to intermediate composition).

Highlighted results for DO-19-262 are provided in Table 9.

Table 9. Gold intercepts in DO-19-262 (531 Zone)

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
DO-19-262	709047.5	5489930.9	304.9	432	358.2	-59.1	257.0	262.0	5.0	0.22
DO-19-262							265.0	270.0	5.0	1.09
<i>including</i>							265.0	268.0	3.0	1.71
DO-19-262							272.0	277.0	5.0	0.56
DO-19-262							286.0	296.0	10.0	1.65
<i>including</i>							286.0	289.0	3.0	4.02
<i>including</i>							293.0	294.0	1.0	3.36
DO-19-262							299.0	330.0	31.0	2.32
<i>including</i>							313.0	322.0	9.0	4.71
DO-19-262							378.0	429.0	51.0	2.81
<i>including</i>							390.0	406.0	16.0	4.58

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value, g/t
<i>including</i>							397.0	404.0	7.0	6.63
<i>including</i>							420.0	429.0	9.0	4.92
*NAD83 / UTM zone 17N; the collar was surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment										
Note: Azimuth and dip are in degrees, length and elevation are in meters										



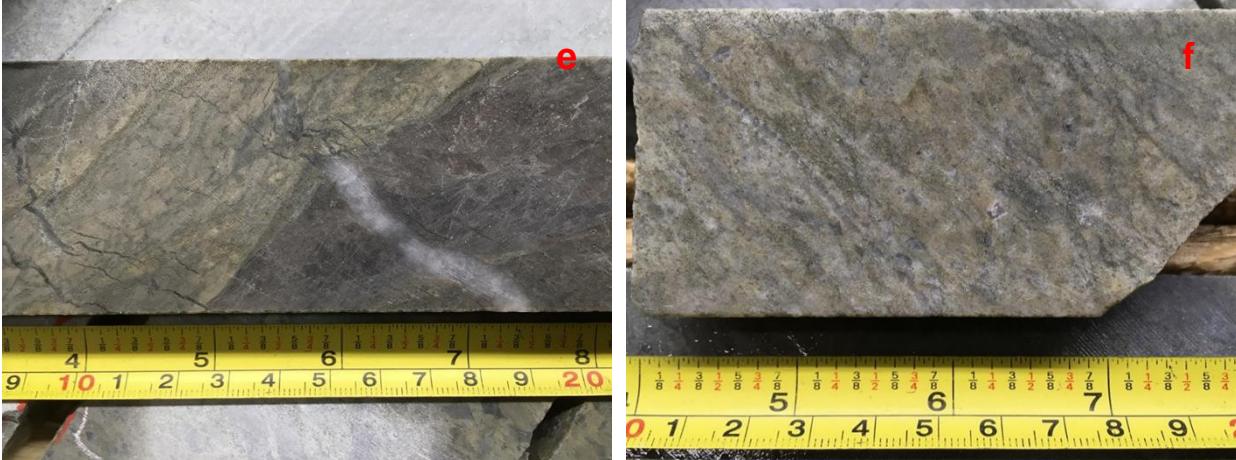


Figure 15. Photos of the core from drillhole DO-19-262, NQ-size (47.6 mm diameter), half-sawn.

- a) Brittle-ductile deformation in sheared basalt with patchy carbonate, sericite, silica and minor hematite alteration; mineralized by 2-5% pyrite fine disseminated and fracture-controlled; 265-266m @ 2.93 g/t Au.
- b) Fine-grained, massive pyrite aggregate within sheared and hematite-carbonate-altered basalt; 286-287m @ 6.84 g/t Au.
- c) A greyish white quartz-carbonate vein with patchy sericite-chlorite alteration within halo in weakly sheared basalt. The vein is surrounded by fine to medium-grained pyrite assemblages with fine-grained magnetite and calcite; 305-306m @ 6.72 g/t Au.
- d) A mineralized contact between an aphanitic siliceous rock (rhyolite? chert?) and sheared, chloritized basalt; 309-310m @ 2.86 g/t Au.
- e) A distinct contact between two rock types: highly altered basalt (strong ankerite-sericite alteration) and a felsic dyke. A white quartz-albite-carbonate veinlet is oriented perpendicular to the contact. Both lithologies are mineralized by 5-10% of fine pyrite; 421-422m @ 9.39 g/t Au.
- f) A strongly siliceous felsic dyke (weak to moderate sericite-ankerite alteration), mineralized by 5-10% of fine pyrite; 423-424m @ 12.2 g/t Au.

3.3.4 EXPLORATION TARGETS

Two drillholes, DO-19-259 and DO-19-261, were designed to test the potential extension of gold mineralization outside of the resource area, approximately one km south of the southern limits of the Porphyry Zone. One of the historical holes in this sparsely-drilled sector, DO-13-122, intersected several narrow intervals of high-grade (up to 17.5 g/t Au) contact-style mineralization in mixed basalt-syenite, similar to that at the Porphyry Zone.

DO-19-261 (AZ 0.8°/DIP -47.1°, length 363 m, section 706800E) and **DO-19-259** (AZ 358.9°/DIP -55.3°, length 336 m, section 706600E) were collared approximately 180 m apart. Both holes went through massive aphanitic to gabbroic basalts with intervals of syenitic injections and carbonate-hematite-(K-feldspar?)-altered shear zones. DO-19-261 ended in coarse-grained porphyritic syenite. Pyrite mineralization rarely exceeded 1%.

DO-19-261 intersected nine narrow intervals (1-2 m long) of low-grade gold values ranging from 0.1 to 1.25 g/t. The best intercept was 1.56 g/t Au over 0.8 m (at 109.2-110 m) in bleached, carbonatized basalt. DO-19-259 had no significant intersections except one interval of 0.308 g/t Au at 275-276 m. Neither drillhole was successful in expanding the resource.

Table 10. Gold intercepts in DO-19-259 and DO-19-261 (Exploration area)

Hole_ID	Easting*	Northing*	Elevation	Hole Length	Azimuth	Dip	From	To	Sample Length	Gold value (g/t Au)
DO-19-259	706623	5489152	300	336	358.9	-55.3	275.0	276.0	1.0	0.308
DO-19-261	706806	5489137	300	363	0.8	-47.1	109.2	111.0	1.8	1.10
DO-19-261							120.9	122.0	1.1	0.18
DO-19-261							143.0	145.0	2.0	0.14
DO-19-261							149.0	145.0	1.0	0.448
DO-19-261							215.0	216.0	1.0	0.103
DO-19-261							222.0	223.0	1.0	0.166
DO-19-261							234.0	235.0	1.0	0.111
DO-19-261							260.0	261.8	1.8	0.24
DO-19-261							296.8	297.9	1.1	0.141
*NAD83 / UTM zone 17N; the collars were surveyed by a hand-held GPS										
Note: Azimuth and dip are in degrees, length and elevation are in meters										

4 DRILLHOLE AND CORE HANDLING PROTOCOLS

The protocols for monitoring the drilling process, drill data collection and data management were largely the same as in 2018, with an exception of a few changes in methodology through all phases of work at Douay. All work steps, from preparation of drill sites to sending core samples to the laboratories, were conducted in accordance with the CIM Exploration Guidelines and industry best practices. The protocols document is included in Appendix 10.

4.1 COLLAR SURVEY METHODOLOGY

Prior to drilling, in the field, the geologist positioned each collar location using a handheld GPS unit (precision ± 3 -5m). The drill collar location was marked with a picket and a flagging tape. A foresight picket was placed to mark the planned direction of drilling. The alignment of the drill rig was done by the drillers using a Reflex TN14 GYROCOMPASS™ and checked by the Maple Gold geologist or the qualified technician.

Drilling was conducted on previously permitted sites or roads, or newly permitted sites and access trails. The access roads and pads required that the snow be compacted.

At the end of each drillhole, the geologist collected the actual UTM location of its collar using a handheld GPS unit, and then entered the coordinates into GeoticLog.

When the drillhole was completed, the casing rods were left in place. Each casing was capped by a 1.5-meter-long metal marker topped by a red metal flag with an embossed drillhole number.

The 2019 collar locations were accurately surveyed by Maple Gold personnel in 2020 by using Trimble GPS surveying equipment (Table 3).

4.2 DOWNHOLE SURVEY METHODOLOGY

Downhole surveys were performed during drilling using a Reflex EZ-GYRO™ downhole survey tool. Single-shot measurements with the EZ-GYRO were taken by the driller at the following intervals: first reading to be taken 6 m below the casing, then after 9 m, another 9 m, 15 m, and then every 30 m till the end of the hole. The driller recorded the readings onto paper slips that were provided to the geologist daily. The geologist entered the data in a spreadsheet and into the logging software, and the azimuth reading was converted from magnetic to true. The original paper slips were retained in the files.

4.3 DRILL CORE PROTOCOLS

Drill core was placed into 5-foot/1.5 m long, three-row wooden boxes (**coreboxes**) by the drill helper. The coreboxes were marked with the drillhole number, and the box number. Each complete corebox was covered with an inverted corebox to create a case that was sealed with a heavy-duty fiber tape. The drill crew transported these to the Douay core facility twice a day, at the end of each shift. Transportation modes included trucks, and snowmobiles with sleds.

Once opened, the coreboxes were placed on logging tables in order. The depth markers at 3-meter intervals were checked and corrected when necessary. Each box was labeled with start and end distances,

as measured from the nearest distance marker. Prior to logging, the core was aligned and geotechnical data were collected. A simple geotechnical log included measurements of core recovery, rock quality (**RQD**), and a fracture count for every 3 m core run. Geological technicians, coreshack technicians, or geologists completed these tasks.

Geologists performed geological logging, recorded structural measurements, marked samples, and prepared and affixed sample tags. Geological logging included collecting information about lithology, alteration, mineralization, general structure, veining, and magnetism. All the drill holes were sampled continuously from top to bottom. The ideal sampling interval was one meter; however, samples were allowed to range between 0.4 and 1.5 m to respect lithological or structural boundaries and mineralization limits. The preferred range of between 0.50 m and 1.0 m included 98.8% of the samples; 92% of the samples were 1.0 m.

Geological technicians collected various downhole petrophysical data. Magnetic susceptibility and conductivity readings were taken on core every 0.5 m using MPP Multi Parameter Probe developed by Instrumentation GDD Inc. Small samples collected every 9 m (in some cases every 6 m) were subjected to:

- Specific gravity (**SG**) measurements using the Archimedes method (see Section 4.5).
- Apparent resistivity and time domain induced polarization (**IP**) measured using an Instrumentation GDD Sample Core IP Tester (**SCIP**) device, and
- Elemental composition readings using an Olympus Vanta X-Ray Fluorescence (**pXRF**) portable device.

Later, after the drilling program, additional XRF measurements were taken at 3 m intervals for the better geochemical characterization of lithological units and mineralized zones.

In addition to gold assaying, every 20th core sample was also analyzed for a suite of major and trace elements (ALS multi-element method ME-MS61).

The core was photographed both wet and dry in sets of four coreboxes. The digital photographs were cropped, and then renamed with the drillhole and interval information, and stored on the site server in a designated folder.

The open wooden coreboxes are stored outside on roofed metal racks at the Douay secure site. Metal box tags, printed by Services Exploration in Rouyn-Noranda, were stapled to the coreboxes as they became available.

4.4 DATA MANAGEMENT

Drillhole data were maintained in a centralized site server-hosted MS SQL Server format database that was created by GeoticLog. Users accessed the database via GeoticLog running on Wi-Fi-connected laptops. Each user had set permissions. The database manager had full GeoticLog permissions and was connected directly to the SQL Server database using an ODBC link from MS-Access. The geologists logged directly into the tables using GeoticLog and, when necessary, could export the data from GeoticLog in MS-Excel format.

The geological technicians created download files from the MPP, SCIP, and XRF instruments, and typed the corebox inventory and specific gravity measurements into MS-Excel spreadsheets. Drillers or geologists downloaded downhole surveys from the Reflex EZ-Gyro tool. The database manager loaded these files into the database using template spreadsheets in GeoticLog format.

Assay results received from the lab in MS-Excel or ASCII format were imported into GeoticLog by the database manager.

The database manager used MS-Access to query, tabulate, report, or export data in any configuration as required.

Backups were created each time a specified user closed GeoticLog, or anytime, by any user, on demand. An automatic once-daily SQL Server backup was part of the IT management. All files are stored on the site server, which was administrated by Excell IT Inc., a commercial information technology (IT) company. All data were periodically (mostly monthly) transferred to external hard disks, and then carried offsite by the Vice President Exploration, Fred Speidel.

Additional software used included Geovia GEMS, Datamine Mapinfo/Discover, Microsoft Office, and the conversion programs for Reflex tools.

4.5 SPECIFIC GRAVITY

In 2019, the specific gravity (**SG**) of 650 samples were determined using the Archimedes method. The global average specific gravity is 2.80. SG values ranged from 2.48 to 5.28, with 90% of the samples with an SG between 2.00 and 3.00.

Samples of whole core, and occasionally half core, usually ranging from 5 cm to 20 cm, were collected every 3 m or 6 m. The samples were dried in open air. Each sample was first weighed on the top platform of, or suspended below, an Ohaus SPX6201 electronic balance. The sample was then suspended from the bottom hook of the balance into a bucket of water, and the mass of the fully submerged sample was recorded.

The specific gravity was calculated using the formula $SG = \text{Mass in air} / (\text{Mass in air} - \text{Mass in water})$.

Tables 11, 12, and 13 summarize the average specific gravity of each group of lithological units, ordered by LithGroup, the average specific gravity by grade range bins, and the SG samples by lithological group and grade bins, respectively.

Table 11. Summary of 2019 specific gravity measurements by lithological group

LithGroup	RockTypes	Count	Minimum	Maximum	Average
Fault	Fault	1	2.82	2.82	2.82
Felsic volcanic	Dacite/rhyolite	16	2.63	2.98	2.79
Mafic volcanic	Basalt	165	2.67	4.07	2.95
Mixed BS	Basalt with syenite injections	73	2.48	4.92	2.83
Mixed SB	Syenite with basalt inclusions	109	2.50	3.59	2.77
Sediment	Undifferentiated sediments	2	2.74	2.84	2.79
Syenite	Syenite	270	2.57	5.28	2.72
Tuff	Tuff	14	2.73	2.86	2.77
All		650	2.48	5.28	2.80

The SG ranged from 2.72 for syenite (270 samples tested) to 2.95 for basalt (165 samples tested). When compared to the global SG, there is a variance of 0.35 to 5.35%.

Table 12. Summary of 2019 specific gravity measurements by gold group

AuGroup (ppm)	Count	Minimum	Maximum	Average
>=0.00 And <0.10	514	2.48	5.28	2.81
>=0.10 And <0.25	64	2.58	4.07	2.76
>=0.25 And <0.50	36	2.61	3.59	2.78
>=0.50 And <1.00	19	2.62	3.05	2.75
>=1.00 And <2.00	8	2.66	2.94	2.76
>=2.00 And <5.00	8	2.67	3.05	2.8
>=5.00	1	2.68	2.68	2.68
All	650	2.48	5.28	2.80

The SG ranged from 2.68 (gold values > 5 ppm), and 2.81 (gold values between 0 ppm and 0.1 ppm). When compared to the global SG mean of 2.80, there is a difference ranging from 0% to 4.3%. There is not an obvious correlation between SG and gold grade; however, 79.1% of the SG samples analyzed <0.1 ppm Au.

Table 13. Summary of 2019 specific gravity measurements by lithological group and gold group

LithGroup	AuGroup	Count	Minimum	Maximum	Average
Fault	>=0.25 And <0.50	1	2.82	2.82	2.82
Felsic volcanic	>=0.00 And <0.10	9	2.63	2.98	2.82
Felsic volcanic	>=0.10 And <0.25	3	2.69	2.74	2.71
Felsic volcanic	>=0.25 And <0.50	4	2.71	2.88	2.76
Mafic volcanic	>=0.00 And <0.10	159	2.67	3.68	2.94
Mafic volcanic	>=0.10 And <0.25	5	2.83	4.07	3.32
Mafic volcanic	>=0.50 And <1.00	1	2.84	2.84	2.84
Mixed BS	>=0.00 And <0.10	66	2.48	4.92	2.82
Mixed BS	>=0.10 And <0.25	1	2.83	2.83	2.83
Mixed BS	>=0.25 And <0.50	3	2.79	2.87	2.82
Mixed BS	>=0.50 And <1.00	1	3.05	3.05	3.05
Mixed BS	>=2.00 And <5.00	2	2.86	2.98	2.92
Mixed SB	>=0.00 And <0.10	83	2.5	3.02	2.76
Mixed SB	>=0.10 And <0.25	10	2.67	2.81	2.72
Mixed SB	>=0.25 And <0.50	9	2.73	3.59	2.87
Mixed SB	>=0.50 And <1.00	5	2.74	2.89	2.79
Mixed SB	>=1.00 And <2.00	2	2.67	2.75	2.71
Sediment	>=0.00 And <0.10	2	2.74	2.84	2.79
Syenite	>=0.00 And <0.10	187	2.57	5.28	2.72
Syenite	>=0.10 And <0.25	41	2.58	2.97	2.71
Syenite	>=0.25 And <0.50	17	2.61	2.88	2.72
Syenite	>=0.50 And <1.00	12	2.62	2.78	2.7
Syenite	>=1.00 And <2.00	6	2.66	2.94	2.77
Syenite	>=2.00 And <5.00	6	2.67	3.05	2.76
Syenite	>=5.00	1	2.68	2.68	2.68
Tuff	>=0.00 And <0.10	8	2.73	2.86	2.76
Tuff	>=0.10 And <0.25	4	2.76	2.82	2.79
Tuff	>=0.25 And <0.50	2	2.73	2.75	2.74
All	All	650	2.48	5.28	2.80

5 SAMPLE PREPARATION, ANALYSES AND SECURITY

5.1 SAMPLE COLLECTION

The logged drill core with samples marked by geologists was cut using an Almonte diamond-blade automatic saw equipped with a Fordia water management and filtration system. The containerized unit was assembled in Val d'Or, QC.

Trained geological technicians cut the core in halves or quarters, bagged and tagged the samples, inserted quality control samples, and prepared batches of samples for shipment to the lab.

5.2 QUALITY ASSURANCE PROTOCOLS

Maple Gold has implemented a rigorous quality assurance program to ensure confidence in the data collected. Control samples systematically inserted into the sample stream at a predetermined schedule were:

- commercial certified reference materials (**standards**),
- field blanks,
- field duplicates, and
- preparation (**prep**) duplicates.

Control samples were vetted immediately after the results were received from the laboratories by using database queries that employed the rules established by Maple Gold for evaluation. There were no quality control issues with the 2019 assay data. A detailed analysis of the quality assurance program is provided as Appendix 9.

During the 2019 drilling season, 5,944 samples, including 387 control samples, were submitted to the laboratory. Every sample was analyzed for gold, every 20th sample was subjected to multi-element characterization (total 276 samples), and some samples were selected for whole rock analysis (total 80 samples).

Tables 14 and 15 provide a summary of core and quality control samples taken during the 2019 drill program.

Table 14. Summary of drilling program samples

Sample Code	Sample Type	Count	Percentage of Total
Core	Core sample (1/2 or 1/4 split [field duplicate])	5,557	93.49
CDN-GS-P1A	Commercial certified standard (60 g packet)	55	0.93
OREAS 214	Commercial certified standard (60 g packet)	45	0.76

Sample Code	Sample Type	Count	Percentage of Total
OREAS 251	Commercial certified standard (60 g packet)	45	0.76
Blank	Commercial white garden stone (marble)	120	2.02
Field Duplicate	Core sample (1/4 split)	61	1.03
Prep Duplicate	Sample split from crushed sample	61	1.03
Total		5,944	100.00

Table 15. Summary of samples by drillhole

Drillhole	Sample series		Sample count		Total samples
	from	to	Core	QA/QC	
DO-19-255	A0100001	A0100347	325	22	347
DO-19-256	V468001	V468160	150	10	160
DO-19-257	A0100348	A0101016	625	44	669
DO-19-258	V468161	V468482	301	21	322
DO-19-259	A0102501	A0102840	317	23	340
DO-19-260	V468483	V469084	563	39	602
DO-19-261	A0102841	A0103225	360	25	385
DO-19-262	A0103226	A0103594	346	23	369
DO-19-263	V470501	V470849	326	23	349
DO-19-264	V471076	V471771	651	45	696
DO-19-265	V469416	V469793	354	24	378
DO-19-266	A0101017	A0101663	605	42	647
DO-19-267	V470850	V471075	210	16	226
DO-19-268	V469085	V469415	309	22	331
DO-19-105X	A0101664	A0101786	115	8	123
Total			5,557	387	5,944

5.3 SECURITY

Core logging was conducted in a large facility that is part of the main office and dry building. Core cutting and sampling occurred in an adjacent container perpendicular to the main building. A sample storage and shipping preparation container abutted the core cutting facility. The metal racks for storing core were located behind the main building. The building and containers were closed when not in use. All these facilities are located within a fenced area on the property. Workers monitor the area at all times.

The core samples were prepared for shipment by the geological technicians within the core sawing or storage containers. Samples were placed into numbered fiber bags, which were sealed with a numbered plastic locking tag. The contents of each bag was recorded on paper forms and later transferred into Excel spreadsheets. The geologists prepared the appropriate forms for shipping. A paper copy of the sample

submittal was placed in the lead bag of each shipment, and a digital version was emailed directly to the laboratory.

On the day of shipping, the closed fiber bags were placed onto wooden pallets, and wrapped with plastic film. Aldée Naud Transport, of Amos, QC, retrieved a shipment every one to two weeks, and delivered them directly to the ALS preparation laboratory in Val-d'Or, QC.

If required in order to expedite processing, ALS would re-distribute samples from Val-d'Or for preparation at other branches located in Timmins and Thunder Bay, ON. Over-grade samples (>10 g/t Au) and samples chosen for the multi-element analysis were processed at the ALS branch in Vancouver, BC.

There were no reported incidences of tampering. The laboratory reported damage to the fiber and/or sample bags on one occasion. This damage was documented in the drillhole database. The affected samples were salvaged and analyzed normally.

5.4 LABORATORY SAMPLE PREPARATION AND ANALYSES

ALS Global (ALS) prepared and analyzed samples for gold and a suite of other elements.

ALS has strategically designed processes and a global quality management system that meet all requirements of International Standards ISO/IEC 17025:2017 and ISO 9001:2015. All ALS geochemical hub laboratories are accredited to ISO/IEC 17025:2017 for specific analytical procedures. The ALS quality program includes quality control steps through sample preparation and analysis, inter-laboratory test programs, and regular internal audits. It is an integral part of day-to-day activities, involves all levels of ALS staff and is monitored at top management levels.

Core samples were crushed until 70% of the sample was less than two mm. Samples were then pulverized until 85% of the sample was finer than 75 µm. Pulverized samples were then split to the appropriate sizes for the analytical procedure.

For gold, a 30 g sample was assayed by fire assay with an ICP-AES finish. High-grade samples (Au >= 10 g/t) were re-analyzed using a 30 g fire assay with a gravimetric finish.

For multi-element analysis, a 0.25 g sample was processed for a 48-element suite using a four-acid digestion with an ICP-MS finish.

The procedures used at the laboratory are listed in Table 16. The short methods for these procedures are included as Appendix 8.

In all cases, an over-grade assay result takes precedence over the original result.

All pulps and selected rejects were typically returned to Douay within 90 days.

Table 16. Laboratory analytical procedures

Lab ID	Lab Code	Description
ALS	WEI-21	Received sample weight
	CRU-31; PUL-31	Fine crushing – 70% <2 mm; Pulverize split to 85%<75 µm
	CRU-31d, PUL-31d	Fine crushing – 70% <2 mm; Pulverize split to 85%<75 µm - duplicate
	CRU-QC; PUL-QC	Fine crushing – 70% <2 mm; Pulverize split to 85%<75 µm – QA/QC
	SPL-21	Split sample – riffle splitter
	Au-ICP21	Au 30 g FA - ICP-AES finish; instrument ICP-AES
		Au 30 g FA - GRAV finish; instrument WST-SEQ; over-grade for Au-ICP21
	ME-MS61	48 element four acid ICP-MS

Table 17. Summary of samples by analytical method

	Method	Count*	Percentage of Total
Gold	Au-ICP21	5,944	100.0
Gold	Au-GRA21	4	0.1
Multi-element	ME-MS61	295	5.0

6 RE-LOGGING OF 531 ZONE

Following positive drill results on 531 zone by hole **DO-19-262**, Maple Gold revisited lithology, structure, and mineralized intercepts to improve understanding of the geological controls in light of new information. The revision of 2019 (July-December 2019 inclusive) involved re-logging of 21 out of 43 historical holes drilled in the area. Each drillhole was re-logged with the attention to lithology, structural elements, alteration patterns, and grade distribution. Some holes were selectively tested by MPP or pXRF. Several previously non-sampled intervals were sent for Au assay to ALS Chemex Laboratories. The assay results are provided in Table 19.

Re-logging and re-interpretation was conducted by Maria Sokolov, P.Geol.

The re-logged descriptions of the historical drill core are included in Appendix 5 and assay certificates are in Appendix 6.

The highlights of 2019 revision:

- lithological units were re-interpreted by looking at geochemical details with the help of pXRF;
- lithological contacts between sedimentary and mafic and ultramafic volcanic rocks were re-defined;
- the presence of syenitic (or syenite-like) injections, commonly seen within other zones proximal to the Douay Intrusive Complex, appear to be much less pronounced than previously thought;
- reddish coloration of various lithological units is attributed to hematite and often, but not always, potassic alteration;
- REE-enriched dykes (lamprophyre and syenite) and carbonatitic injections are present in the area indicating the proximity of an alkaline magmatic system;
- gold grades are associated with two main alteration types: potassic alteration (finitization) and iron carbonatization. These are structurally controlled by shear zones and faults;
- secondary mineral assemblages associated with finitization depend on the primary rock compositions; high-magnesian basalt and ultramafic rocks have higher percentage of secondary biotite, whereas K-feldspar dominates in basalt.

Table 18. Summary of re-logged drillholes on 531 zone

DDH	Year drilled	Section	Metrage	Infill Sampling
70531-0	1992	708800 E	460.25	infill sampling
70531-1	1992	708800 E	59.74	infill sampling
D-92-25	1992	708700 E	158.66*	
D-92-34A	1992	708900 E, 709000 E	390.14	infill sampling**
D-92-34A-1	1992	708900 E	306.02	
D-92-35	1992	709000 E	302.67	
D-92-35-1	1992	709000 E	81.08	
D-92-36	1992	709000 E, 709100 E	379.78	
D-92-37	1992	709100 E	337.11	
D-92-38	1992	709000 E, 709100 E	396.24	
D-92-39	1992	709000 E	455.98	
D-92-39-1	1992	709000 E	268.67	
D-92-40	1992	708900 E	536.45	
D-92-41	1992	709000 E, 709100 E	495.60	
D-92-44	1992	709000 E	425.50	infill sampling
D-93-01	1993	709000 E	433.00	infill sampling**
D-93-03	1993	709100 E	379.99	infill sampling
D-93-05	1993	708700 E, 708800 E	161.98*	
D-93-06	1993	709200 E	392.00	infill sampling**
D-93-06-1	1993	709200 E	192.09	
D-93-08	1993	709100 E	345.13	infill sampling
			Total: 6958.08 m	
Notes: *partially reviewed				
**samples were cut but were pending to be sent to the lab as of December 31, 2019				

There are indications of several fault systems, such as shear zones with well-developed foliation, North-South oriented faults, and continuous intervals of highly fractured rocks. Oriented core drilling followed by a comprehensive structural analysis is strongly recommended to better understand and define structural controls of gold mineralization.

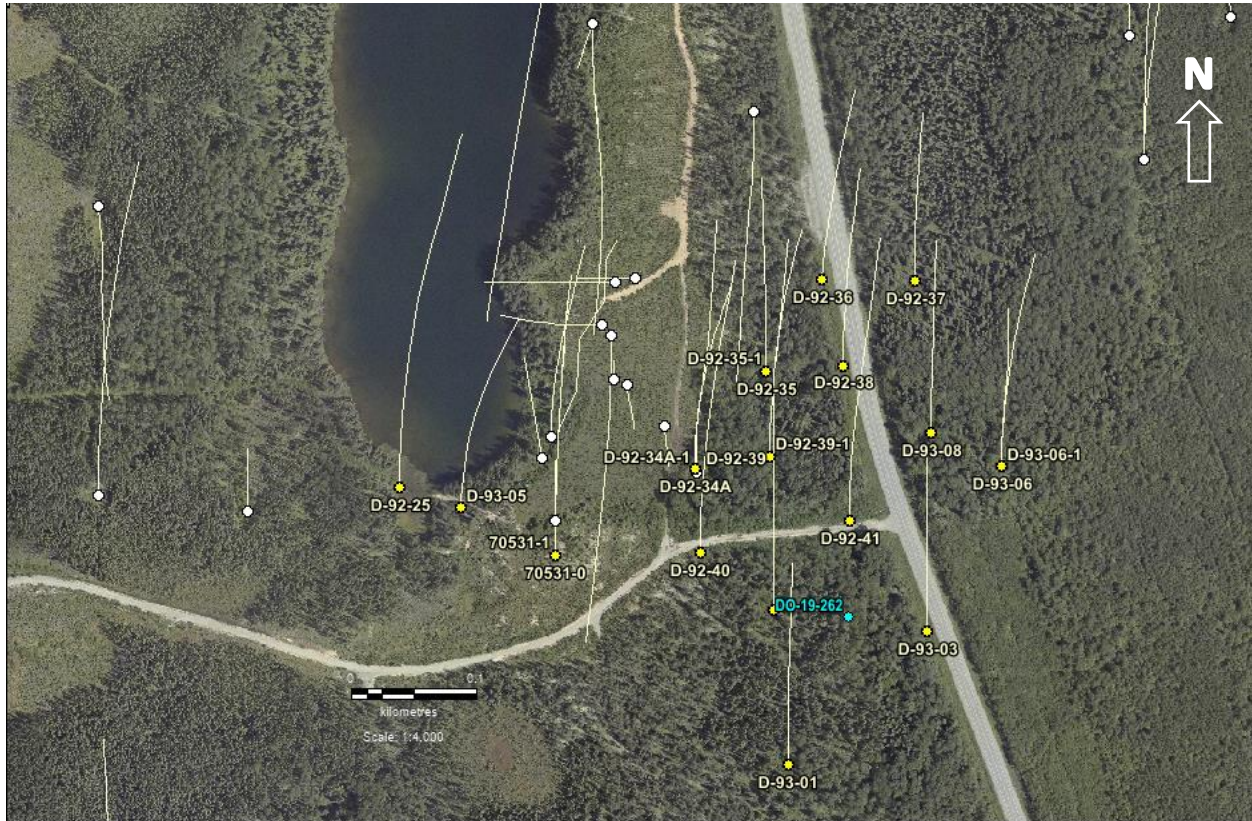


Figure 16. 531 Zone planview map showing collar locations of re-logged historical drillholes (shown in yellow).

Table 19. Assay results for infill samples for re-logged historical drillholes on 531 Zone

Survey	From	To	Sample length	Sample number	Au_Final (ppm)	Type	Reference
70531-0	307.85	309.35	1.50	V471889	0.185		
70531-0	309.35	310.90	1.55	V471890	0.005		
70531-0	315.47	317.00	1.53	V471891	0.060		
70531-0	317.00	318.50	1.50	V471892	0.006		

Survey	From	To	Sample length	Sample number	Au_Final (ppm)	Type	Reference
70531-0	318.50	320.04	1.54	V471893	0.067		
70531-1	405.69	407.00	1.31	V471894	0.011		
70531-1	407.00	408.50	1.50	V471895	0.040		
70531-1	408.50	410.00	1.50	V471896	0.274		
70531-1	410.00	411.50	1.50	V471897	0.090		
70531-1	411.50	413.00	1.50	V471898	0.092		
D-92-34A	102.11	103.63	1.52	V471911	<i>pending</i>		
D-92-34A	117.35	118.87	1.52	V471912	<i>pending</i>		
D-92-34A	120.40	121.90	1.50	V471913	<i>pending</i>		
D-92-34A	121.90	123.40	1.50	V471914	<i>pending</i>		
D-92-34A	123.40	124.90	1.50	V471915	<i>pending</i>		
D-92-34A	124.90	126.40	1.50	V471916	<i>pending</i>		
D-92-34A	126.40	127.41	1.01	V471917	<i>pending</i>		
D-92-34A	332.00	333.00	1.00	V471918	<i>pending</i>		
D-92-34A	333.00	334.50	1.50	V471919	<i>pending</i>		
D-92-34A	334.50	336.00	1.50	V471920	<i>pending</i>		
D-92-34A	334.50	336.00	1.50	V471921	<i>pending</i>	Field Duplicate	V471920
D-92-40	358.14	359.66	1.52	V471899	0.040		
D-92-40	359.66	361.19	1.53	V471900	0.005	Field Duplicate	CX7699
D-92-40	361.19	362.71	1.52	V471901	0.005		
D-92-40	364.24	365.70	1.46	V471902	0.134		
D-92-40	403.86	405.00	1.14	V471903	0.168		
D-92-40	403.86	403.86		V471904	0.506	Standard	OREAS 251
D-92-40	437.00	438.50	1.50	V471905	0.065		
D-92-40	438.50	440.00	1.50	V471906	0.007		
D-92-40	440.00	441.50	1.50	V471907	0.041		
D-92-40	441.50	443.00	1.50	V471908	0.086		
D-92-40	443.00	443.48	0.48	V471909	0.047		
D-92-40	455.68	457.20	1.52	V471910	0.002		
D-92-44	365.74	367.00	1.26	V471824	0.003		
D-92-44	365.74	367.00	1.26	V471825	0.020	Field Duplicate	V471824
D-92-44	367.00	368.50	1.50	V471826	0.150		

Survey	From	To	Sample length	Sample number	Au_Final (ppm)	Type	Reference
D-92-44	368.50	370.00	1.50	V471827	0.065		
D-92-44	370.00	371.50	1.50	V471828	0.118		
D-92-44	371.50	372.70	1.20	V471829	0.119		
D-92-44	373.70	375.00	1.30	V471830	0.207		
D-92-44	375.00	376.50	1.50	V471831	0.261		
D-92-44	376.50	378.00	1.50	V471832	0.339		
D-92-44	378.00	379.50	1.50	V471833	0.350		
D-92-44	379.50	381.00	1.50	V471834	0.030		
D-92-44	382.52	384.00	1.48	V471835	0.024		
D-92-44	384.00	385.50	1.50	V471836	0.013		
D-92-44	385.50	387.00	1.50	V471837	0.006		
D-92-44	387.00	388.50	1.50	V471838	0.007		
D-92-44	388.50	390.00	1.50	V471839	0.001		
D-92-44	388.50	388.50		V471840	0.002	Blank	WhiteStone
D-92-44	390.00	391.50	1.50	V471841	0.001		
D-92-44	391.50	393.00	1.50	V471842	0.026		
D-92-44	393.00	394.50	1.50	V471843	0.250		
D-92-44	394.50	395.40	0.90	V471844	0.005		
D-92-44	395.40	396.24	0.84	V471845	0.011		
D-92-44	397.76	399.00	1.24	V471846	0.114		
D-92-44	399.00	400.50	1.50	V471847	0.046		
D-92-44	400.50	402.00	1.50	V471848	0.084		
D-92-44	402.00	403.50	1.50	V471849	0.020		
D-92-44	403.50	405.00	1.50	V471850	0.013		
D-92-44	405.00	406.50	1.50	V471851	0.395		
D-92-44	406.50	408.00	1.50	V471852	0.009		
D-92-44	408.00	409.50	1.50	V471853	0.002		
D-92-44	409.50	410.50	1.00	V471854	0.174		
D-92-44	410.50	411.48	0.98	V471855	0.108		
D-92-44	410.50	410.50		V471856	0.145	Standard	GS-P1A
D-92-44	413.00	414.50	1.50	V471857	0.010		
D-92-44	414.50	416.00	1.50	V471858	0.010		
D-92-44	416.00	417.50	1.50	V471859	0.017		
D-92-44	417.50	419.00	1.50	V471860	0.003		

Survey	From	To	Sample length	Sample number	Au_Final (ppm)	Type	Reference
D-92-44	419.00	420.50	1.50	V471861	0.003		
D-92-44	420.50	422.00	1.50	V471862	0.001		
D-92-44	422.00	423.00	1.00	V471863	0.001		
D-92-44	423.00	423.98	0.98	V471864	0.001		
D-93-01	189.65	190.65	1.00	V471928	<i>pending</i>		
D-93-01	190.65	191.65	1.00	V471929	<i>pending</i>		
D-93-03	327.66	329.00	1.34	V471772	0.030		
D-93-03	329.00	330.50	1.50	V471773	0.004		
D-93-03	330.50	332.00	1.50	V471774	0.002		
D-93-03	332.00	333.50	1.50	V471775	0.002		
D-93-03	333.50	335.00	1.50	V471776	-0.001		
D-93-03	335.00	336.50	1.50	V471777	-0.001		
D-93-03	336.50	338.00	1.50	V471778	-0.001		
D-93-03	338.00	339.50	1.50	V471779	-0.001		
D-93-03	339.50	341.00	1.50	V471780	0.001		
D-93-03	341.00	342.50	1.50	V471781	0.001		
D-93-03	342.50	343.50	1.00	V471782	-0.001		
D-93-03	343.50	344.42	0.92	V471783	-0.001		
D-93-03	343.50	343.50		V471784	-0.001	Blank	WhiteStone
D-93-03	345.95	347.50	1.55	V471785	-0.001		
D-93-03	347.50	349.00	1.50	V471786	-0.001		
D-93-03	349.00	350.50	1.50	V471787	0.003		
D-93-03	350.50	352.00	1.50	V471788	0.001		
D-93-03	352.00	353.50	1.50	V471789	-0.001		
D-93-03	353.50	355.00	1.50	V471790	-0.001		
D-93-03	355.00	356.50	1.50	V471791	0.007		
D-93-03	356.50	358.00	1.50	V471792	0.007		
D-93-03	358.00	359.50	1.50	V471793	0.010		
D-93-03	359.50	361.00	1.50	V471794	0.007		
D-93-03	361.00	361.85	0.85	V471795	0.173		
D-93-03	361.85	362.71	0.86	V471796	0.078		
D-93-03	364.24	365.50	1.26	V471797	0.012		
D-93-03	365.50	367.00	1.50	V471798	0.049		
D-93-03	367.00	368.50	1.50	V471799	0.053		

Survey	From	To	Sample length	Sample number	Au_Final (ppm)	Type	Reference
D-93-03	367.00	367.00		V471800	0.504	Standard	OREAS 251
D-93-03	368.50	370.00	1.50	V471801	0.016		
D-93-03	370.00	371.50	1.50	V471802	0.091		
D-93-03	371.50	373.00	1.50	V471803	0.022		
D-93-03	373.00	374.50	1.50	V471804	0.169		
D-93-03	374.50	376.00	1.50	V471805	0.010		
D-93-03	376.00	377.50	1.50	V471806	0.007		
D-93-03	377.50	379.00	1.50	V471807	0.028		
D-93-03	377.50	377.50		V471808	3.000	Standard	OREAS 214
D-93-03	379.00	379.99	0.99	V471809	0.007		
D-93-06	101.80	102.80	1.00	V471922	<i>pending</i>		
D-93-06	196.00	197.00	1.00	V471923	<i>pending</i>		
D-93-06	217.96	219.46	1.50	V471924	<i>pending</i>		
D-93-06	326.18	327.68	1.50	V471925	<i>pending</i>		
D-93-06	327.68	329.18	1.50	V471926	<i>pending</i>		
D-93-06	377.98	379.48	1.50	V471927	<i>pending</i>		
D-93-08	224.15	225.00	0.85	V471810	0.003		
D-93-08	225.00	226.00	1.00	V471811	0.023		
D-93-08	226.00	227.50	1.50	V471812	0.003		
D-93-08	227.50	229.00	1.50	V471813	0.002		
D-93-08	229.00	230.50	1.50	V471814	0.002		
D-93-08	230.50	232.00	1.50	V471815	0.001		
D-93-08	232.00	233.17	1.17	V471816	0.001		
D-93-08	234.70	236.00	1.30	V471817	0.014		
D-93-08	236.00	237.50	1.50	V471818	0.001		
D-93-08	237.50	239.00	1.50	V471819	0.001		
D-93-08	239.00	240.50	1.50	V471820	0.534		
D-93-08	240.50	242.00	1.50	V471821	0.041		
D-93-08	242.00	243.00	1.00	V471822	0.039		
D-93-08	243.00	243.84	0.84	V471823	0.147		

Note: Total 134 samples (125 regular and 9 QA/QC samples)

7 CHANNEL SAMPLING 2019

In October 2019, Maple Gold Mines completed a channel-sampling program on the area referred to as “Syenite outcrop”, which is situated 2.7 km southeast of the Douay mine site. This is the only known exposure of the Douay syenitic complex on the property. It is located in the middle portion of the Porphyry Zone known as Zone 20 and is easily accessible by gravel roads and drill trails. The outcrop has an elliptical shape measuring about 40 by 20 meters with the longer axis striking in the NE-SW direction. The outcrop area covers approximately 780 square meters and lies entirely within the Claim No: 1133184. The approximate center of the outcrop is located at 706780E/5490495N, NAD83 UTM zone 17.

Bedrock was exposed by excavation and stripping off the overburden (<5 m thick there) in November 1997 by Aurizon Mines (GM55809). Two old channels intersect the surface in the northerly direction. An old sample tag found on the outcrop in 2019 dates back to exploration activities sometime in 2012-2014. However, there is no known information about grab or channel sampling or geological mapping in this area and no record (assay or otherwise) exists in the Douay historic database for the found tag.

During October 2019, the MGM team, supervised by Even Stavre, P.Geol, completed the first phase of lithogeochemical sampling on the outcrop by duplicating two original channels using a portable gas-powered Concrete Saw Cut-Off 14” equipped with a diamond blade. The saw was rented from Lou-Tec in Amos, Quebec. Channels were cut by an MGM geological technician and sampled by a geologist. The width of each channel was around 5 cm and the consecutive sample intervals ranged from 0.7 to 1.1 meters in length. The beginning of each sample on the outcrop was marked by a short cut across the channel and labelled by an aluminum tag with a corresponding sample number. Rock samples were described, bagged and delivered to the coreshack. A representative rock chip from every sample was then analyzed by a portable XRF instrument to complement sample descriptions.

The majority of samples analyzed by pXRF were syenite and a few were basalt. Basalt had distinctly lower silica and higher Mg, as well as elevated Ti and Ni, which were mostly absent in syenite. Both lithologies showed similar levels of potassium suggesting secondary enrichment (finitization) in basalt and probably in syenite. There was notable enrichment in P and REEs (Ce, La and in one case Nd), mainly in syenite but also in some samples of basalt. The pathfinder elements typically associated with gold mineralization, such as Mo and W, were not detected in analyzed samples. The XRF data can be found in Appendix 13.

A total of 55 rock samples, including three duplicates, plus four QA/QC samples (two standards and two blanks) were sent for gold assaying to the ALS Global Geochemistry laboratory in Val-d'Or, Quebec. A multi-element analysis was performed on two samples (V473928 and V473947) for lithogeochemical characterization (see Appendix 6, Certificate #VO20006185).

Additional channel sampling and geological mapping of the outcrop are planned for 2020.

Table 20. Assay results for the 2019 channel-sampling program

Channel_ID	Sample number	Easting*	Northing*	Elevation*	From	To	Assays*** g/t Au
Chanel1W	V473901	706786.31	5490488.22	299.49	0	1	0.022
Chanel1W	V473902	706786.62	5490489.15	299.59	1	2	0.014
Chanel1W	V473903	706786.78	5490490.13	299.63	2	3	0.015
Chanel1W	V473904	706786.89	5490491.08	299.69	3	4	0.017
Chanel1W	V473905	706786.69	5490492.07	299.72	4	5	0.036
Chanel1W	V473906	706786.46	5490493.06	299.65	5	6	0.078
Chanel1W	V473907	706786.34	5490494.06	299.60	6	7	0.172
Chanel1W	V473908	706786.24	5490495.06	299.57	7	8	0.122
Chanel1W	V473909	706786.06	5490496.04	299.56	8	9	0.031
Chanel1W	V473910	706785.99	5490497.06	299.46	Duplicate		0.035
Chanel1W	V473911	706785.97	5490498.09	299.40	9	10	0.035
Chanel1W	V473912	706786.24	5490499.05	299.36	10	11	0.016
Chanel1W	V473913	706786.27	5490500.08	299.17	11	12	0.019
	V473962				STD GS-P1A		0.138
Chanel1W	V473914	706786.27	5490501.07	299.10	12	13	0.015
Chanel1W	V473915	706786.16	5490502.06	299.06	13	14	0.021
Chanel1W	V473916	706785.62	5490503.19	298.78	14	15	0.015
Chanel1W	V473917	706785.42	5490503.94	298.85	15	16	0.040
	V473963				Blank		0.001
Chanel1W	V473918	706785.24	5490504.87	298.68	16	17	0.019
Chanel1W	V473919	706785.01	5490505.86	298.62	17	18	0.014
Chanel1W	V473920	706784.83	5490506.84	298.41	18	19	0.741
Chanel1W	V473921	706784.67	5490507.81	298.15	Duplicate		0.529
Chanel1W	V473922	706784.39	5490508.77	298.14	19	20	0.062
Chanel1W	V473923	706784.27	5490509.75	298.01	20	21	0.007
Chanel1W	V473924	706784.11	5490510.69	297.78	21	22	0.013
Chanel1W	V473925	706783.99	5490511.69	297.52	22	23	0.010
Chanel1W	V473926	706783.91	5490512.69	297.36	23	24	0.012
Chanel1W	V473927	706783.84	5490513.65	297.36	24	25	0.020
Chanel1W	V473928**	706783.74	5490514.62	297.13	25	26	0.022
Chanel1W	V473929	706783.27	5490515.82	298.22	26	27	0.008
Chanel1E	V473930	706773.96	5490503.06	299.51	0	1	0.054
Chanel1E	V473931	706773.94	5490502.03	299.60	1	2	0.096
Chanel1E	V473932	706773.88	5490501.02	299.73	2	3	0.289
Chanel1E	V473933	706773.79	5490500.14	299.86	3	4	0.103
	V473964				STD GS-P1A		0.140
Chanel1E	V473934	706773.71	5490499.16	299.85	4	5	0.032
Chanel1E	V473935	706773.70	5490498.12	299.98	5	6	0.019
Chanel1E	V473936	706773.63	5490497.19	300.15	6	7	0.136

Channel_ID	Sample number	Easting*	Northing*	Elevation*	From	To	Assays*** g/t Au
Chanel1E	V473937	706773.57	5490496.17	300.15	7	8	0.051
	V473965				Blank		0.001
Chanel1E	V473938	706773.61	5490495.18	300.33	8	9	0.018
Chanel1E	V473939	706773.61	5490494.17	300.38	9	10	0.018
Chanel1E	V473940	706773.48	5490492.45	300.12	10	11	0.079
Chanel1E	V473941	706775.12	5490492.00	300.44	11	12	0.042
Chanel1E	V473942	706775.32	5490490.22	300.38	Duplicate		0.016
Chanel1E	V473943	706775.29	5490489.24	300.31	12	13	0.021
Chanel1E	V473944	706775.16	5490488.24	300.37	13	14	0.037
Chanel1E	V473945	706775.18	5490487.22	300.43	14	15	0.019
Chanel1E	V473946	706775.17	5490486.23	300.59	15	16	0.009
Chanel1E	V473947**	706775.29	5490485.25	300.67	16	17	0.011
Chanel1E	V473948	706775.64	5490484.26	300.60	17	18	0.056
Chanel1E	V473949	706775.82	5490483.22	300.50	18	19	0.055
Chanel1E	V473950	706775.70	5490482.38	300.47	19	20	0.166
Chanel1E	V473951	706775.66	5490481.28	300.61	20	21	0.035
Chanel1E	V473952	706775.63	5490480.24	300.61	21	22	0.013
Chanel1E	V473953	706775.56	5490479.20	300.68	22	23	0.004
Chanel1E	V473954	706775.45	5490478.24	300.75	23	24	0.012
Chanel1E	V473955	706775.46	5490477.27	300.81	24	25	0.062

*NAD83 / UTM zone 17N; channel samples were surveyed in 2020 by Maple Gold personnel by using Trimble GPS surveying equipment.
** Samples selected for multi-element analysis
***Certificate #VO20006185

Table 21. Channel sample field notes (by Even Stavre, P.Geo)

Sample number	Lithology Code	Alteration	Mineralization	Structure Type	Notes
V473901	I2/ID2	si,se,ox	tr py, cub	2% fract	Felsic intrusive intermediate coarse grain (Φ=2mm), porphyritic, pale pink: 60% de subhedral feldspar phenocrysts. 30% grey plagioclase, 5% anhedral quartz, 1-2% ox filled fractTraces de pyrite. Non magnetic.
V473902	I2/ID2	si,se,k-sp,++ox	tr py, cub	1%fract	
V473903	I2/ID2	si,se,k-sp,++ox	1% tr py stgs, py/mag diss'd	wk fract	
V473904	I2/ID2	si,se,+hem patch,++ox	0.5% py stgs, diss'd. mag tr	wk fract	Felsic intrusive intermediate coarse grain (Φ=2mm), porphyritic, pale pink: 60% de subhedral feldspar phenocrysts. 30% grey plagioclase, 5% anhedral quartz, 1-2% ox filled fractTraces de pyrite. Non magnetic.

V473905	I2D/I2-PP-QZ-FP	si,++se,++ox	tr py, cub, mg	wk fract	~8% smoky quartz aphanitic
V473906	I2/ID2	si,se,--k/spa,+ox	tr py, cub, mg	wk fract	10% Quartz feldspar dyke, finr grain porphyritic, aphanitic, weak sil'd, ser'd. barren
V473907	I2/ID2	si,se, --k/spa,+ox	tr py stgs, 1% py/mag diss'd	wk fract	Felsic intrusive intermediate coarse grain (Φ=2mm), porphyritic, pale pink: 60% de subhedral feldspar phenocrysts. 30% grey plagioclase, 5% anhedral quartz,. 1-2% ox filled fractTraces de pyrite. Non magnetic.
V473908	I2/ID2	si,se,k/spa+hem patch,+ox	0.5% fg, diss,d py, tr mag.	wk fract	10% smoky quartz aphanitic
V473909	I2/ID2	si,se,k/spa+hem patch,+ox	0.5% fg, diss,d py, tr mag.	wk fract	Felsic intrusive intermediate coarse grain to aphanitic, porphyritic, subhedral feldspar phenocrysts. Striated plagioclase, ++anhedral quartz,. 1-2% ox filled fractTraces de pyrite. Non magnetic.
V473911	I2/ID2	si,se,k/spa+hem patch,+ox	0.5% fg, diss,d py, tr mag.	wk fract	
V473912	I2/ID2	si,se,+hem patch,+ox	py trace cub to weak belb	wk fract	10% smoky quartz aphanitic
V473913	I2/ID2	si,se,--k/spa,+ox	py trace cub	wk fract	5% quartz feldspar patch
V473914	I2/ID2	si,se,--k/spa,carb,+ox	1% fg, diss,d py, 1% mag.	fract; qtz/ank vn	5% quartz carbonate vein (pale yellow ankerite)
V473915	I2/ID2	si,se,ox	py trace cub	wk fract	increased pale aphanitic feldspar
V473916	I2D-V3B	strong si,se,+++carb/hem patch,++ox, ++chl	2% fg, diss,d fg py, 1% mag.	fract; qtz/ank vn; strike 110	30% green fine grain aphanitic mafic volcanic, silicified contact to 0.5mm silica filled fracture, intense hem patches sil'd, 60% mg grain pink syenite subhedral to aphan'c, dk pink k-spar patch, ser/c flakes, amph/bio str,
V473917	I2D	si,se,+++carb/hem patch, ++ox, ++chl	1% fg, diss,d py, 1% mag.	fract; qtz/ank stgs	spoty pale beige ankerite patches
V473918	I2D/I2	si,se,++ox	py trace cub	wk fract	Felsic intrusive intermediate coarse grain (Φ=3mm), porphyritic, pale pink: subhedral feldspar phenocrysts. grey plagioclase, anhedral quartz,. monzosyenite fractTraces de pyrite. Non magnetic.
V473919	I2D/I2	si,se,++ox	py trace cub	wk fract	syenomonzonite
V473920	I2D	si,se,++ox	py trace cub	wk fract	increase pale pink feldspar aphanitic to weak phenos.
V473922	I2D/I2	si,se,++ox	py trace cub	wk fract	increase pale pink feldspar aphanitic to weak phenos.

V473923	I2D-V3B	strong si,se,+++carb/he m patch,++ox, ++chl	py trace diss'd	fract; qtz/carb stg; strike 104	10% green fine grain aphanitic mafic volcanic, silicified contact hairline sil'd filled fract, +hem patches sil'd, 80% mg grain pink syenite subhedral to aphan'c, dk pink k-spar patch, ser/c flakes, silicious. amph/bio str,
V473924	I2D	si,se,hem,++ox	py trace cub	fract	increase in feldspar aphanitic and stronger silica overprinting?, strong spotty hematite to patches
V473925	I2D-V3B	strong si,se,+++carb/he m patch,++ox, ++chl	py trace cub	fract; qtz/carb stg	10% green fine grain aphanitic mafic volcanic, silicified contact hairline sil'd filled fract, +hem patches sil'd, 80% mg grain pink syenite subhedral to aphan'c, smoky qtz, dk pink k-spar patch, ser/c flakes, siliceous. amph/bio str,
V473926	I2D	si,se,hem,++ox	py trace cub	fract	increased feldspar aphanitic, pale.
V473927	I2D	si,se,++ox	py trace cub	wk fract	abundant feldspar aphanitic, pale.
V473928	I2D	si,se,++ox	py trace cub	wk fract	abundant feldspar aphanitic, pale.
V473929	I2D	si,se,++ox	py trace cub	wk fract	abundant feldspar aphanitic, pale.
V473930	I2D/I2	si,+se,++ox	tr py, cub, mg	wk fract	increase striated plagioclase subhedral
V473931	I2D/I2-PP- QZ-FP	si,++se,++ox	tr py, cub, mg	wk fract	3-5% quartz feldspar dyke light grey, finer grain aphanitic to rare subhedral.ser'c flakes intergranular. Barren to tr py cubes mg.
V473932	I2D/I2-PP- QZ-FP	si,++se,++ox	tr py, cub, mg	wk fract	10% quartz feldspar dyke light grey, finer grain aphanitic to rare subhedral.ser'c flakes intergranular. Barren to tr py cubes mg.
V473933	I2/ID2	si,++se,++ox	tr py, cub, mg	wk fract	Felsic intrusive intermediate coarse grain (Φ=2mm), porphyritic, pale pink: 60% de subhedral feldspar phenocrysts. 30% grey plagioclase, 5% anhedral quartz,. 1-2% ox filled fractTraces de pyrite. Non magnetic.
V473934	I1 PO	si,++se,++ox	tr py, cub, mg	wk fract	intermediate intrusive porphyry subhedral, coarse grain, few quartz crysts, aphanitic.barren to trace py mg cubes
V473935	I1 PO	si,++se,++ox	tr py, cub, mg	wk fract	
V473936	I2/ID2	si,++se,++ox	tr py, cub, mg	wk fract	
V473937	I2D/I2	si,++se,-- k/sp,++ox	tr py, cub, mg		increased feldspar, pale pink, aphanitic to subhedral.
V473938	I2D/I2	si,++se,-- k/sp,++ox	tr py, cub, mg	carb stgs	weak calcite stringer.
V473939	I2D/I2-PP- QZ-FP	si,++se,--hem,-- k/sp,++ox	tr py, cub, mg		
V473940	I2D	si,++se,+++k/sp,+ +ox	tr py, cub, specularite diss'd	fract	

V473941	I2D	si,++se,++hem,++ +k/sp,++ox	tr py, fg diss'd, specularite stringers	fract	stronger hematite patches and increased k/spar intensity patches.
V473943	I2D	si,++se,++hem,++ +k/sp,++ox	2% py stgs fract filling spec overprinting, diss'd fg, specularite diss,d		mineralized zone with up to 2% fg Py stringers fract filling, specularite stringers overprinted by Py.
V473944	I2D	si,++se,++hem,++ +k/sp,++ox	tr py, fg diss'd, specularite stringers		
V473945	I2D	si,++se,++hem,++ +k/sp,++ox	tr py, fg diss'd, specularite stringers		
V473946	I2D	si,++se,++hem,++ +k/sp,++ox	tr py, fg diss'd, specularite stringers		
V473947	I2D	si,++se,--hem,-- k/sp,++ox	tr py, cub, mg		
V473948	I2D	si,++se,--hem,-- k/sp,++ox	tr py, fg diss'd, specularite stringers		
V473949	I2D-V3B	strong si,se, +++carb/hem patch, ++ox, ++chl	tr py, fg diss'd, specularite stringers	fract, strike 110	magnetic
V473950	I2D	si,++se,--hem,-- k/sp,++ox	tr py, fg diss'd, specularite stringers		aphanitic finer grain
V473951	I1 PO	si,++se,++ox	tr py, cub, mg	wk fract	coarser grain
V473952	I2D	si,++se,--hem,-- k/sp,++ox	tr py, cub, mg		finer grain
V473953	I2D	si,++se,--hem,-- k/sp,++ox	tr py, fg diss'd, specularite stringers		fine grain aphanitic
V473954	I2D	si,++se,--hem,-- k/sp,++ox	tr py, cub, mg		
V473955	I2D-V3B	strong si,se, +++carb/hem patch, ++ox, ++chl	tr py, fg diss'd, specularite stringers		



Figure 17. The location and access to the Syenite outcrop.



Figure 18. Syenite outcrop planview showing two channels with sample numbers (in blue) and corresponding gold assays (in grey).

8 CONCLUSIONS AND RECOMMENDATIONS

The primary objective of the 2019 drilling program was to demonstrate continuity of higher grade areas both near surface and at moderate depths (at or beyond base of conceptual pit depths). This goal has been largely achieved. Out of 15 holes drilled in 2019, all of the 12 holes (plus one extension of a historical drillhole) distributed across the Nika, Porphyry, and 531 Zones were successful in intersecting and extending gold mineralization within the resource area.

The results from two greenfield exploration holes (DO-19-259 and -261) drilled more than 1km south of the resource area were less impressive in discovering significant mineralization. However, it improved our geological understanding of the area to the south of the Porphyry Zone.

The highlights of 2019 drilling results:

1. Drilling within the Nika and Porphyry Zones designed to follow up on some of the best results from 2018 confirmed good continuity of higher-than-average gold grade mineralization near surface and at modest depths. In many cases, mineralization remains open at depth and laterally prompting follow-up drilling.
2. Drillhole DO-19-262, designed to test the high-grade gold potential within the 531 Zone, has exceeded expectations by intersecting two exceptional mineralized zones, both *structurally and lithologically controlled*. The upper zone gave 28m averaging 2.55 g/t Au, including 9m of 4.71 g/t Au, and the lower zone intersected 51m averaging 2.81 g/t Au, including 16m of 4.58 g/t Au and 9m of 4.92 g/t Au. Both zones showed visible gold; combined they represent among the top five accumulations of gold ever drilled on the property.

Future work should include:

- Step-out drilling around known higher grade (>1.5 g/t Au) mineralization, particularly near surface;
- Follow-up on the higher grade gold intercepts on the Nika, Porphyry, and 531 Zones in order to determine the continuity and volume potential of these respective areas;
- Drilling focused on expanding down-plunge and peripheral extensions of both Nika and Porphyry zones. This may eventually lead to connecting two existing conceptual pits (Micon, 2018) located to the ESE and WNW of Nika and subsequently improve mineral resource estimates;
- Expanding exploration efforts *beyond* the current mineral *resource area*;
- Surveying all collar locations from 2018 onward;
- Check assaying for the 2019 drill program;

- 3D Modeling and interpretation of all geoscientific data relevant to gold mineralization to better constrain resource estimation and to allow a better understanding of the controls on gold mineralization;
- Data mining including simplification of and recoding of lithologies and alteration patterns where necessary;
- Compilation, analysis, and interpretation of collected geochemical data (whole rock, multi-element, XRF);
- Continuation of the ongoing re-logging and re-interpretation of 531 Zone historical core in conjunction with the newly acquired data from DO-19-262;
- Continuation of selective re-logging of historical core in order to resolve specific questions (ex: with regard to orientation and continuity of mineralized zones, as well as related structural interpretations);
- Completion of phase 2 of channel sampling and detailed geological mapping on the Syenite outcrop;
- Conducting Induced Polarization ("IP") geophysical survey to establish new high-grade discovery targets.

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Maple Gold Mines: <https://maplegoldmines.com>; news releases and general information

Ministère de l'Énergie et des Ressources naturelles (MERN): <https://gestim.mines.gouv.qc.ca>; a Mining Title Management System (GESTIM Plus), mineral titles

SIGEOM: <http://sigecom.mines.gouv.qc.ca>; assessment reports

System for Electronic Document Analysis and Retrieval (SEDAR): <https://www.sedar.com/>; technical reports

CERTIFICATE OF QUALIFICATIONS FOR FRIEDRICH SPEIDEL

I, Friedrich Speidel, of Burlington, Ontario, do hereby certify that:

1. I am the Vice President of Exploration for Maple Gold Mines Ltd. since mid-September 2017, with offices located at 1111 West Hastings Street, 6th Floor, Vancouver, British Columbia V6E 2J3.
2. I graduated with a Bachelor of Science (Honours) degree in Geology from McGill University in 1984, and a Master of Science degree in Mineral Exploration from Queen's University in 1988.
3. I am a Professional Geoscientist and practicing member registered with the Association of Professional Geoscientists of Ontario. I am an active member of the Ordre des Géologues du Québec (OGQ). I am also a Fellow with the Society of Economic Geologists (SEG) as well as a member of the Society for Geology Applied to Mineral Deposits (SGA), of the Association of Applied Geochemists (AAG), of the Association de l'Exploration Minière du Québec (AEMQ), and of the Prospectors and Developers Association of Canada (PDAC).
4. I have worked as a geologist continuously for over 35 years since graduation. My professional experience includes exploration, discovery, evaluation, and development of mineral properties in North, Central, and South America. I have worked in a variety of styles of mineral deposits including Intrusive-Related Gold Systems in Northern Quebec earlier on in my career.
5. I have been directly involved with the Douay project since late 2017.
6. I have co-authored the report titled "Assessment Report for the Douay Property, 2019 Diamond Drilling and Core Re-logging Program" dated March 25, 2021.

Dated March 25, 2021 in Burlington, ON.



Friedrich Speidel, P.Ge, M.Sc, FSEG, OGQ #2114
Vice President Exploration, Maple Gold Mines

CERTIFICATE OF QUALIFICATIONS FOR MARIA SOKOLOV

I, Maria Sokolov, residing in the City of Beaconsfield in Quebec, Canada, do hereby certify that:

1. I am currently employed by Maple Gold Mines Ltd. as a Senior Exploration Geologist and have been working in this role since March 2019.
2. I graduated with a Diploma (M.Sc. degree equivalent) from the Faculty of Geology of Lomonosov Moscow State University in 1992. I completed my Master's degree in Geology at McGill University in Montreal in 2007, and since then I have worked on many exploration projects in Quebec and Ontario.
3. I am a practicing Professional Geologist registered with the Ordre des Géologues du Québec (OGQ) and the Association of Professional Geoscientists of Ontario (PGO). I am also a member of the l'Association de l'Exploration Minière du Québec (AEMQ), of the Mineralogical Association of Canada (MAC), and of the Prospectors and Developers Association of Canada (PDAC).
4. I have co-authored this report titled "Assessment Report for the Douay Property: 2019 Diamond Drilling and Core Re-logging Program".
5. I consent to the use of this report by Maple Gold Mines Ltd. in submission for assessment credits or similar provincial regulatory requirements.

Dated March 20, 2021 in Beaconsfield, Quebec



Maria Sokolov, M.Sc., P.Ge., OGQ #1491
Senior Exploration Geologist, Maple Gold Mines

GLOSSARY

Symbols and Units of Measurement

Centimeter.....	cm
Degrees.....	°
Degrees Celsius.....	°C
Equal to.....	=
Gram.....	g
Grams per tonne.....	g/t
Greater than or equal to.....	>=
Hectare.....	ha
Kilogram.....	kg
Kilometer.....	km
Kilometers per hour.....	km/h
Less than or equal to.....	<=
Meter.....	m
Micron.....	μ
Millimeter.....	mm
Minus.....	-
One half.....	½
One quarter.....	¼
Ounce.....	oz
Parts per billion.....	ppb
Parts per million.....	ppm
Percent.....	%
Plus.....	+
Plus or minus.....	±
Square kilometers.....	km ²
Tonnes.....	t

APPENDIX 1: LIST OF DOUAY CLAIMS (AS OF OCT. 05, 2020)

MGM = Maple Gold Mines Ltd. (97338) 100% owned claims

SOQ25-MGM75 = SOQUEM Inc. (2427) 25%; Maple Gold Mines Ltd. (97338) 75%

ClaimID	Owner	Expiry	ClaimID	Owner	Expiry	ClaimID	Owner	Expiry
101773	MGM	15-Nov-22	1133115	MGM	6-Jan-22	1133147	MGM	6-Jan-22
101774	MGM	15-Nov-22	1133116	MGM	6-Jan-22	1133148	MGM	6-Jan-22
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101776	MGM	15-Nov-22	1133118	MGM	6-Jan-22	1133150	MGM	6-Jan-22
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2355526	SOQ25:MGM75	25-Feb-22	2486509	MGM	21-Mar-22	2486546	MGM	21-Mar-22
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ClaimID	Owner	Expiry	ClaimID	Owner	Expiry	ClaimID	Owner	Expiry
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2486549	MGM	21-Mar-22	2486860	MGM	22-Mar-22	2487063	MGM	22-Mar-22
2486550	MGM	21-Mar-22	2486861	MGM	22-Mar-22	2487064	MGM	22-Mar-22
2486551	MGM	21-Mar-22	2486862	MGM	22-Mar-22	2487065	MGM	22-Mar-22
2486552	MGM	21-Mar-22	2486863	MGM	22-Mar-22	2487066	MGM	22-Mar-22
2486553	MGM	21-Mar-22	2486864	MGM	22-Mar-22	2487067	MGM	22-Mar-22
2486554	MGM	21-Mar-22	2486865	MGM	22-Mar-22	2487068	MGM	22-Mar-22
2486555	MGM	21-Mar-22	2486866	MGM	22-Mar-22	2487069	MGM	22-Mar-22
2486556	MGM	21-Mar-22	2486867	MGM	22-Mar-22	2487070	MGM	22-Mar-22
2486557	MGM	21-Mar-22	2486868	MGM	22-Mar-22	2487071	MGM	22-Mar-22
2486558	MGM	21-Mar-22	2486869	MGM	22-Mar-22	2487072	MGM	22-Mar-22
2486559	MGM	21-Mar-22	2486870	MGM	22-Mar-22	2487073	MGM	22-Mar-22
2486560	MGM	21-Mar-22	2486871	MGM	22-Mar-22	2487074	MGM	22-Mar-22
2486561	MGM	21-Mar-22	2486872	MGM	22-Mar-22	2487075	MGM	22-Mar-22
2486562	MGM	21-Mar-22	2486873	MGM	22-Mar-22	2487076	MGM	22-Mar-22
2486563	MGM	21-Mar-22	2486874	MGM	22-Mar-22	2487077	MGM	22-Mar-22
2486564	MGM	21-Mar-22	2486875	MGM	22-Mar-22	2487078	MGM	22-Mar-22
2486565	MGM	21-Mar-22	2486876	MGM	22-Mar-22	2487079	MGM	22-Mar-22
2486566	MGM	21-Mar-22	2486877	MGM	22-Mar-22	2487080	MGM	22-Mar-22
2486567	MGM	21-Mar-22	2486878	MGM	22-Mar-22	2487081	MGM	22-Mar-22
2486568	MGM	21-Mar-22	2486879	MGM	22-Mar-22	2487082	MGM	22-Mar-22
2486569	MGM	21-Mar-22	2486880	MGM	22-Mar-22	2487083	MGM	22-Mar-22
2486570	MGM	21-Mar-22	2486881	MGM	22-Mar-22	2487084	MGM	22-Mar-22
2486571	MGM	21-Mar-22	2486882	MGM	22-Mar-22	2487085	MGM	22-Mar-22
2486572	MGM	21-Mar-22	2486883	MGM	22-Mar-22	2487086	MGM	22-Mar-22
2486573	MGM	21-Mar-22	2486884	MGM	22-Mar-22	2487087	MGM	22-Mar-22
2486574	MGM	21-Mar-22	2486885	MGM	22-Mar-22	2487088	MGM	22-Mar-22
2486849	MGM	22-Mar-22	2486886	MGM	22-Mar-22	2487089	MGM	22-Mar-22
2486850	MGM	22-Mar-22	2486887	MGM	22-Mar-22	2487090	MGM	22-Mar-22
2486851	MGM	22-Mar-22	2487054	MGM	22-Mar-22	2487091	MGM	22-Mar-22
2486852	MGM	22-Mar-22	2487055	MGM	22-Mar-22	2487092	MGM	22-Mar-22
2486853	MGM	22-Mar-22	2487056	MGM	22-Mar-22	2487107	MGM	22-Mar-22
2486854	MGM	22-Mar-22	2487057	MGM	22-Mar-22	2487108	MGM	22-Mar-22
2486855	MGM	22-Mar-22	2487058	MGM	22-Mar-22	2487109	MGM	22-Mar-22
2486856	MGM	22-Mar-22	2487059	MGM	22-Mar-22	2487129	MGM	22-Mar-22
2486857	MGM	22-Mar-22	2487060	MGM	22-Mar-22	2487162	MGM	22-Mar-22
2486858	MGM	22-Mar-22	2487061	MGM	22-Mar-22	2487163	MGM	22-Mar-22

ClaimID	Owner	Expiry	ClaimID	Owner	Expiry	ClaimID	Owner	Expiry
2487164	MGM	22-Mar-22	2487680	MGM	23-Mar-22	2487785	MGM	23-Mar-22
2487165	MGM	22-Mar-22	2487681	MGM	23-Mar-22	2487786	MGM	23-Mar-22
2487166	MGM	22-Mar-22	2487682	MGM	23-Mar-22	2495005	MGM	6-Jun-22
2487167	MGM	22-Mar-22	2487683	MGM	23-Mar-22	2495006	MGM	6-Jun-22
2487168	MGM	22-Mar-22	2487684	MGM	23-Mar-22	2495007	MGM	6-Jun-22
2487169	MGM	22-Mar-22	2487685	MGM	23-Mar-22	2495008	MGM	6-Jun-22
2487170	MGM	22-Mar-22	2487686	MGM	23-Mar-22	2495009	MGM	6-Jun-22
2487171	MGM	22-Mar-22	2487687	MGM	23-Mar-22	2495010	MGM	6-Jun-22
2487172	MGM	22-Mar-22	2487688	MGM	23-Mar-22	2495011	MGM	6-Jun-22
2487173	MGM	22-Mar-22	2487689	MGM	23-Mar-22	2495012	MGM	6-Jun-22
2487653	MGM	23-Mar-22	2487690	MGM	23-Mar-22	2495013	MGM	6-Jun-22
2487654	MGM	23-Mar-22	2487691	MGM	23-Mar-22	2495014	MGM	6-Jun-22
2487655	MGM	23-Mar-22	2487692	MGM	23-Mar-22	2498188	MGM	23-Jul-22
2487656	MGM	23-Mar-22	2487693	MGM	23-Mar-22	2498189	MGM	23-Jul-22
2487657	MGM	23-Mar-22	2487694	MGM	23-Mar-22	2498190	MGM	23-Jul-22
2487658	MGM	23-Mar-22	2487695	MGM	23-Mar-22	2498191	MGM	23-Jul-22
2487659	MGM	23-Mar-22	2487696	MGM	23-Mar-22	2498192	MGM	23-Jul-22
2487660	MGM	23-Mar-22	2487697	MGM	23-Mar-22	2498193	MGM	23-Jul-22
2487661	MGM	23-Mar-22	2487698	MGM	23-Mar-22	2498194	MGM	23-Jul-22
2487662	MGM	23-Mar-22	2487699	MGM	23-Mar-22	2498195	MGM	23-Jul-22
2487663	MGM	23-Mar-22	2487700	MGM	23-Mar-22	2498196	MGM	23-Jul-22
2487664	MGM	23-Mar-22	2487701	MGM	23-Mar-22	2498197	MGM	23-Jul-22
2487665	MGM	23-Mar-22	2487702	MGM	23-Mar-22	2498198	MGM	23-Jul-22
2487666	MGM	23-Mar-22	2487703	MGM	23-Mar-22	2498199	MGM	23-Jul-22
2487667	MGM	23-Mar-22	2487704	MGM	23-Mar-22	2498200	MGM	23-Jul-22
2487668	MGM	23-Mar-22	2487705	MGM	23-Mar-22	2498201	MGM	23-Jul-22
2487669	MGM	23-Mar-22	2487706	MGM	23-Mar-22	2498202	MGM	23-Jul-22
2487670	MGM	23-Mar-22	2487775	MGM	23-Mar-22	2498203	MGM	23-Jul-22
2487671	MGM	23-Mar-22	2487776	MGM	23-Mar-22	2498204	MGM	23-Jul-22
2487672	MGM	23-Mar-22	2487777	MGM	23-Mar-22	2498205	MGM	23-Jul-22
2487673	MGM	23-Mar-22	2487778	MGM	23-Mar-22	2498206	MGM	23-Jul-22
2487674	MGM	23-Mar-22	2487779	MGM	23-Mar-22	2498207	MGM	23-Jul-22
2487675	MGM	23-Mar-22	2487780	MGM	23-Mar-22	2498208	MGM	23-Jul-22
2487676	MGM	23-Mar-22	2487781	MGM	23-Mar-22	2498209	MGM	23-Jul-22
2487677	MGM	23-Mar-22	2487782	MGM	23-Mar-22	2498210	MGM	23-Jul-22
2487678	MGM	23-Mar-22	2487783	MGM	23-Mar-22	2498211	MGM	23-Jul-22
2487679	MGM	23-Mar-22	2487784	MGM	23-Mar-22	2498212	MGM	23-Jul-22

ClaimID	Owner	Expiry	ClaimID	Owner	Expiry	ClaimID	Owner	Expiry
2498213	MGM	23-Jul-22	2503643	MGM	10-Oct-22	2503741	MGM	18-Oct-22
2498214	MGM	23-Jul-22	2503644	MGM	10-Oct-22	2503742	MGM	18-Oct-22
2498215	MGM	23-Jul-22	2503645	MGM	10-Oct-22	2503743	MGM	18-Oct-22
2498216	MGM	23-Jul-22	2503646	MGM	10-Oct-22	2503744	MGM	18-Oct-22
2498217	MGM	23-Jul-22	2503647	MGM	10-Oct-22	2503745	MGM	18-Oct-22
2498218	MGM	23-Jul-22	2503648	MGM	10-Oct-22	2503746	MGM	18-Oct-22
2498219	MGM	23-Jul-22	2503649	MGM	10-Oct-22	2503747	MGM	18-Oct-22
2498220	MGM	23-Jul-22	2503650	MGM	10-Oct-22	2503748	MGM	18-Oct-22
2498221	MGM	23-Jul-22	2503651	MGM	10-Oct-22	2503749	MGM	18-Oct-22
2498222	MGM	23-Jul-22	2503652	MGM	10-Oct-22	2503750	MGM	18-Oct-22
2498223	MGM	23-Jul-22	2503653	MGM	10-Oct-22	2503751	MGM	18-Oct-22
2498224	MGM	23-Jul-22	2503654	MGM	10-Oct-22	2503752	MGM	18-Oct-22
2498225	MGM	23-Jul-22	2503655	MGM	10-Oct-22	2503753	MGM	18-Oct-22
2498226	MGM	23-Jul-22	2503656	MGM	10-Oct-22	2507434	MGM	3-Dec-22
2498227	MGM	23-Jul-22	2503657	MGM	10-Oct-22	2507435	MGM	3-Dec-22
2498228	MGM	23-Jul-22	2503658	MGM	10-Oct-22	2507737	MGM	11-Dec-22
2503559	MGM	10-Oct-22	2503659	MGM	10-Oct-22	2507738	MGM	11-Dec-22
2503560	MGM	10-Oct-22	2503660	MGM	10-Oct-22	2507739	MGM	11-Dec-22
2503624	MGM	10-Oct-22	2503661	MGM	10-Oct-22	2507740	MGM	11-Dec-22
2503625	MGM	10-Oct-22	2503662	MGM	10-Oct-22	2515257	MGM	26-Mar-23
2503626	MGM	10-Oct-22	2503663	MGM	10-Oct-22	2515258	MGM	26-Mar-23
2503627	MGM	10-Oct-22	2503725	MGM	18-Oct-22	2515259	MGM	26-Mar-23
2503628	MGM	10-Oct-22	2503726	MGM	18-Oct-22	2515260	MGM	26-Mar-23
2503629	MGM	10-Oct-22	2503727	MGM	18-Oct-22	2515261	MGM	26-Mar-23
2503630	MGM	10-Oct-22	2503728	MGM	18-Oct-22	2529099	MGM	10-Dec-21
2503631	MGM	10-Oct-22	2503729	MGM	18-Oct-22	2529100	MGM	10-Dec-21
2503632	MGM	10-Oct-22	2503730	MGM	18-Oct-22	2529101	MGM	10-Dec-21
2503633	MGM	10-Oct-22	2503731	MGM	18-Oct-22	2529102	MGM	10-Dec-21
2503634	MGM	10-Oct-22	2503732	MGM	18-Oct-22	2529103	MGM	10-Dec-21
2503635	MGM	10-Oct-22	2503733	MGM	18-Oct-22	2529104	MGM	10-Dec-21
2503636	MGM	10-Oct-22	2503734	MGM	18-Oct-22	2529105	MGM	10-Dec-21
2503637	MGM	10-Oct-22	2503735	MGM	18-Oct-22	2529106	MGM	10-Dec-21
2503638	MGM	10-Oct-22	2503736	MGM	18-Oct-22	2529107	MGM	10-Dec-21
2503639	MGM	10-Oct-22	2503737	MGM	18-Oct-22	2529108	MGM	10-Dec-21
2503640	MGM	10-Oct-22	2503738	MGM	18-Oct-22	2529109	MGM	10-Dec-21
2503641	MGM	10-Oct-22	2503739	MGM	18-Oct-22	2529110	MGM	10-Dec-21
2503642	MGM	10-Oct-22	2503740	MGM	18-Oct-22	2529111	MGM	10-Dec-21

ClaimID	Owner	Expiry	ClaimID	Owner	Expiry	ClaimID	Owner	Expiry
2529112	MGM	10-Dec-21	2532446	MGM	28-Feb-22	2535698	MGM	4-Apr-22
2529113	MGM	10-Dec-21	2532447	MGM	28-Feb-22	2565647	MGM	14-May-22
2529114	MGM	10-Dec-21	2532448	MGM	28-Feb-22	2565648	MGM	14-May-22
2529115	MGM	10-Dec-21	2532449	MGM	28-Feb-22	2565649	MGM	14-May-22
2529116	MGM	10-Dec-21	2532450	MGM	28-Feb-22			
2529117	MGM	10-Dec-21	2532451	MGM	28-Feb-22			
2532445	MGM	28-Feb-22	2532452	MGM	28-Feb-22			

APPENDIX 2: CLAIM MAP (1:75,000) (VOLUME 2, MAP 1)

APPENDIX 3: DRILLHOLE LOCATION MAP (1:75,000) (VOLUME 2, MAP 2)

APPENDIX 4: DRILLHOLE LOGS WITH ASSAY RESULTS (VOLUME 3)

APPENDIX 5: DRILLHOLE LOGS AND – RE-LOGGING (VOLUME 4)

APPENDIX 6: ASSAY CERTIFICATES (VOLUME 5)

List of assay certificates by drillhole

NDX	Hole ID	Cert ID		NDX	Hole ID	Cert ID		NDX	Hole ID	Cert ID
1	DO-19-105X	VO19115620		17	DO-19-260	VO19097476		33	DO-19-264	VO19115679
2	DO-19-255	VO19091080		18	DO-19-260	VO19097485		34	DO-19-265	VO19115646
3	DO-19-255	VO19091106		19	DO-19-260	VO19097550		35	DO-19-265	VO19127451
4	DO-19-255	VO19103972		20	DO-19-260	VO19097555		36	DO-19-265	VO19127454
5	DO-19-256	VO19091113		21	DO-19-261	VO19111098		37	DO-19-265	VO19127457
6	DO-19-256	VO19091125		22	DO-19-261	VO19111104		38	DO-19-266	VO19127426
7	DO-19-257	VO19103972		23	DO-19-261	VO19111106		39	DO-19-266	VO19127443
8	DO-19-257	VO19103982		24	DO-19-262	VO19111106		40	DO-19-266	VO19127445
9	DO-19-257	VO19103988		25	DO-19-262	VO19111115		41	DO-19-266	VO19127447
10	DO-19-257	VO19105406		26	DO-19-263	VO19111115		42	DO-19-266	VO19127449
11	DO-19-257	VO19105418		27	DO-19-263	VO19111117		43	DO-19-266	VO19127451
12	DO-19-258	VO19091125		28	DO-19-263	VO19111121		44	DO-19-267	VO19111121
13	DO-19-258	VO19103996		29	DO-19-264	VO19115646		45	DO-19-267	VO19111127
14	DO-19-258	VO19104002		30	DO-19-264	VO19115653		46	DO-19-268	VO19115620
15	DO-19-259	VO19105423		31	DO-19-264	VO19115666		47	DO-19-268	VO19115639
16	DO-19-259	VO19105434		32	DO-19-264	VO19115672		48	DO-19-268	VO19115646

APPENDIX 7: CROSS SECTIONS WITH INDEX TABLES (VOLUME 6)

List of drillholes by cross section (50 m windows)

Section*	Hole ID	Zone	Section*	Hole ID	Zone
704950E	DO-19-105X	Nika	706800E	DO-19-261	Exploration
705150E	DO-19-266	Nika	706900E	DO-19-260	Zone 20
705200E	DO-19-255	Nika	707850E	DO-19-263	Porphyry East
705200E	DO-19-257	Nika	708000E	DO-19-265	Porphyry East
705950E	DO-19-256	Porphyry West	708000E	DO-19-267	Porphyry East
706400E	DO-19-258	Porphyry West	708050E	DO-19-265	Porphyry East
706600E	DO-19-259	Exploration	708050E	DO-19-268	Porphyry East
706650E	DO-19-264	Zone 20	709050E	DO-19-262	Zone 531
*Section on which drillhole was collared					


List of sections by drillhole (50 m windows)

Hole ID	Section*	Zone	Hole ID	Section*	Zone
DO-19-105X	704950E	Nika	DO-19-262	709050E	Zone 531
DO-19-255	705200E	Nika	DO-19-263	707850E	Porphyry East
DO-19-256	705950E	Porphyry West	DO-19-264	706650E	Zone 20
DO-19-257	705200E	Nika	DO-19-265	708000E	Porphyry East
DO-19-258	706400E	Porphyry West	DO-19-265	708050E	Porphyry East
DO-19-259	706600E	Exploration	DO-19-266	705150E	Nika
DO-19-260	706900E	Zone 20	DO-19-267	708000E	Porphyry East
DO-19-261	706800E	Exploration	DO-19-268	708050E	Porphyry East
*Section on which drillhole was collared					

APPENDIX 8: ANALYTICAL METHODS

Short method descriptions for (All at ALS Labs):

- Gold: Au-ICP21: Fire assay with ICP-AES finish on a 30 g sample, detection limits 0.001-10 ppm.
- Gold Over-limit: Au-Gra21: Fire assay with gravimetric finish on a 30 g sample, detection limits 0.05-10,000 ppm. Used for over limits on Au-ICP21.
- Multi-element: ME-MS61: 48 element four acid digestion with ICP-MS finish on a 0.25 g sample, low detection limits depending on element.



FIRE ASSAY PROCEDURE

Au-ICP21 and Au-ICP22

FIRE ASSAY FUSION ICP-AES FINISH

SAMPLE DECOMPOSITION
Fire Assay Fusion (FA-FUSPG1 & FA-FUSPG2)

ANALYTICAL METHOD
Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

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

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

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	LOWER LIMIT	UPPER LIMIT	DEFAULT OVERLIMIT METHOD
Au-ICP21	Gold	Au	ppm	30	0.001	10	Au-AA25
Au-ICP22	Gold	Au	ppm	50	0.001	10	Au-AA26

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FIRE ASSAY PROCEDURE

Ag-GRA21, Ag-GRA22, Au-GRA21 and Au-GRA22

PRECIOUS METALS GRAVIMETRIC ANALYSIS METHODS

SAMPLE DECOMPOSITION

Fire Assay Fusion (FA-FUSAG1, FA-FUSAG2, FA-FUSGV1 and FA-FUSGV2)

ANALYTICAL METHOD

Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold. Silver, if requested, is then determined by the difference in weights.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	DETECTION LIMIT	UPPER LIMIT
Ag-GRA21	Silver	Ag	ppm	30	5	10,000
Ag-GRA22	Silver	Ag	ppm	50	5	10,000
Au-GRA21	Gold	Au	ppm	30	0.05	1,000
Au-GRA22	Gold	Au	ppm	50	0.05	1,000

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GEOCHEMICAL PROCEDURE

ME- MS61

ULTRA- TRACE LEVEL METHOD USING ICP- MS AND ICP- AES

SAMPLE DECOMPOSITION

HF-HNO₃-HClO₄ acid digestion, HCl leach (GEO-4A01)

ANALYTICAL METHOD

Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)
Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.25 g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and analyzed by inductively coupled plasma- atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples meeting this criterion are then analyzed by inductively coupled plasma-mass spectrometry. Results are corrected for spectral interelement interferences.

NOTE: Four acid digestions are able to dissolve most minerals; however, although the term "near- total" is used, depending on the sample matrix, not all elements are quantitatively extracted.

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	50
Arsenic	As	ppm	0.2	10,000
Barium	Ba	ppm	10	10,000
Beryllium	Be	ppm	0.05	1,000
Bismuth	Bi	ppm	0.01	10,000
Calcium	Ca	%	0.01	50
Cadmium	Cd	ppm	0.02	1,000
Cerium	Ce	ppm	0.01	500
Cobalt	Co	ppm	0.1	10,000
Chromium	Cr	ppm	1	10,000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10,000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10,000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.1	500

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ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.5	10,000
Lithium	Li	ppm	0.2	10,000
Magnesium	Mg	%	0.01	50
Manganese	Mn	ppm	5	100,000
Molybdenum	Mo	ppm	0.05	10,000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.1	500
Nickel	Ni	ppm	0.2	10,000
Phosphorous	P	ppm	10	10,000
Lead	Pb	ppm	0.5	10,000
Rubidium	Rb	ppm	0.1	10,000
Rhenium	Re	ppm	0.002	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10,000
Scandium	Sc	ppm	0.1	10,000
Selenium	Se	ppm	1	1,000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10,000
Tantalum	Ta	ppm	0.05	100
Tellurium	Te	ppm	0.05	500
Thorium	Th	ppm	0.2	10,000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10,000
Uranium	U	ppm	0.1	10,000
Vanadium	V	ppm	1	10,000
Tungsten	W	ppm	0.1	10,000
Yttrium	Y	ppm	0.1	500
Zinc	Zn	ppm	2	10,000
Zirconium	Zr	ppm	0.5	500

APPENDIX 9: DISCUSSION OF ASSAY QUALITY CONTROL

QUALITY ASSURANCE PROTOCOLS

Maple Gold implemented a quality assurance program that included the insertion of certified standards, field blanks, and duplicates into the sample stream in a set rotation.

Standards

Gold standards that were used to monitor the accuracy of the laboratories were purchased from Canadian sources. Table A is a list of the gold standards used during 2019. A standard in rotation was inserted every 48 samples.

Table A: Gold standards used during the 2019 program

Standard Name	Au Mean (ppm)	SD (ppm)	Manufacturer	Distributor	Duration of Usage
CDN-GS-P1A	0.143	0.008	CDNLabs	CDNLabs	Entire program
OREAS 214	3.030	0.082	OREAS	ASL	Entire program
OREAS 251	0.504	0.015	OREAS	ASL	Entire program

**CDNLabs = CDN Resource Laboratories Ltd, British Columbia, Canada
OREAS = ORE Research & Exploration Pty, Victoria, Australia
ASL = Analytical Solutions Ltd, Ontario, Canada*

Blanks

Blanks were used to monitor possible contamination and sample mix-ups. Blank material consisted of commercial white marble garden stone that is known to contain only background metal values. A blank was inserted every 48 samples.

Field Duplicates

Field duplicates, which were used to measure the precision and reproducibility of the analytical result of the core, were created by halving the halved core, and submitting each quarter as a unique sample. A field duplicate was inserted every 96 samples.

Coarse (Prep) Duplicates

Coarse, or prep, duplicates, which were used to measure the precision and reproducibility of the analytical result of the sample after the crushing stage, were split out by the laboratory on request. Maple Gold submitted an in-sequence tag in an empty numbered bag for this purpose. A prep duplicate was inserted every 96 samples.

Pulp Duplicates

Pulp duplicates, used to measure the precision and reproducibility of the analytical result of the sample after pulverization, were created as part of the laboratory quality control and assurance program. Pulp duplicates were included every 20 to 40 samples.

QUALITY ASSURANCE DISCUSSION

In 2019, Maple Gold submitted 5,944 samples, including 387 quality control samples, for assay (Table B). The frequency of QA/QC sample insertion was 6.5% of the total number of samples.

Table B: Summary of drilling program samples

Sample Code	Sample Type	Count	Percentage of Total
Core	Core sample (1/2 or 1/4 split [field duplicate])	5,557	93.49
CDN-GS-P1A	Commercial certified standard (60 g packet)	55	0.93
OREAS 214	Commercial certified standard (60 g packet)	45	0.76
OREAS 251	Commercial certified standard (60 g packet)	45	0.76
Blank	Commercial white garden stone	120	2.02
Field Duplicate	Core sample (1/4 split)	61	1.03
Prep Duplicate	Sample split from crushed sample	61	1.03
Total		5,944	100.00

Control samples were vetted immediately after the results were received from the laboratories by using database queries that employed the rules described in Table C.

Assay results were imported into the database using GeoticLog. The results were immediately vetted using a series of queries performed in an Access database with an ODBC connection to the GeoticLog SQL Server database.

The Table of Failures (Table E) includes information about all quality assurance problems encountered in 2019 and their resolution.

Table C: Rules for evaluating control samples

Sample Type	Rules
Standard	<p>Failures:</p> <ol style="list-style-type: none"> 1. If a result falls outside of three standard deviations from the mean value of the standard, it has failed. The samples between the nearest control samples with valid results will be re-assayed. 2. If the results of two consecutive samples fall outside of two standard deviations from the mean value of the standard, on the same side of the mean, then they have failed. The samples between the nearest control samples with valid results will be re-assayed. <p>Exceptions:</p> <ol style="list-style-type: none"> 1. If the failure is due to a sample mix-up, then the error is corrected, but no new assay is required. 2. If the failure occurs within a batch of insignificant results, then the samples may not be re-assayed.
Blank	<p>Warning:</p> <p>If a result is greater than ten times the lower detection level for the element, then a warning is triggered. The cause for the warning is investigated, and corrective action is taken if required.</p>
Field Duplicate	<p>If a duplicate pair deviates widely from the ideal, then the reason must be investigated, and corrected if necessary.</p>

Table D: QA/QC Sample Insertion Frequency Chart

Ending	SampType	Ending	SampType	Ending	SampType	Ending	SampType	Ending	SampType
8	GS-P1A	208	OREAS 214	408	OREAS 251	608	GS-P1A	808	OREAS 214
25	FDU	225	FDU	425	FDU	625	FDU	825	FDU
40	FB	240	FB	440	FB	640	FB	840	FB
56	OREAS 251	256	GS-P1A	456	OREAS 214	656	OREAS 251	856	GS-P1A
73	CDU	273	CDU	473	CDU	673	CDU	873	CDU
88	FB	288	FB	488	FB	688	FB	888	FB
104	OREAS 214	304	OREAS 251	504	GS-P1A	704	OREAS 214	904	OREAS 251
121	FDU	321	FDU	521	FDU	721	FDU	921	FDU
136	FB	336	FB	536	FB	736	FB	936	FB
152	GS-P1A	352	OREAS 214	552	OREAS 251	752	GS-P1A	952	OREAS 214
169	CDU	369	CDU	569	CDU	769	CDU	969	CDU
184	FB	384	FB	584	FB	784	FB	984	FB
200	OREAS 251	400	GS-P1A	600	OREAS 214	800	OREAS 251	1000	GS-P1A
Eg. Sample V902256 is a standard GS-P1A; sample X456840 is a field blank									
OCD = Original coarse duplicate; CDU = duplicate of previous sample; eg. Sample R125473 is a coarse duplicate of R125472									
OFD = original sample; FDU = duplicate of OFD; each sample is 1/4 core; eg. Sample Z337025 is a field duplicate of Z337024									
FB = field blank									

Standards and Blanks

The control charts for standards CDN-GS-P1A, OREAS 214, and OREAS 251 are shown as Figures 1 to 4.

The results for CDN-GS-P1A (Figure 1) were scattered about the mean, most commonly within one standard deviation of the mean; however, after certificate A0103504 (24-May-19) Almost 71% of the results were below or equal to the mean suggesting a negative bias for this standard. Throughout time, there was a moderate negative trend.

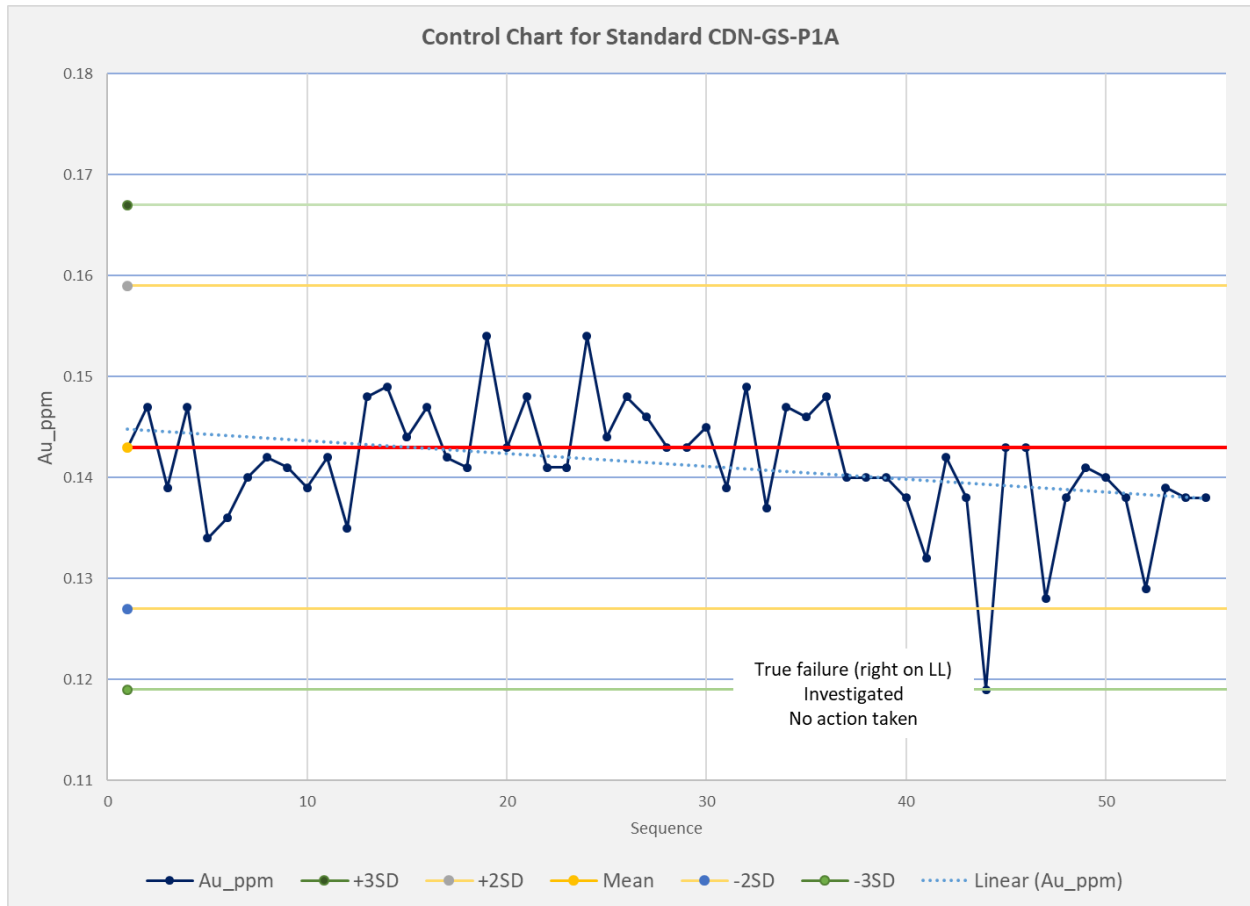


Figure 1. Control chart for standard CDN-GS-P1A

Standard CDN-GS-P1A had one true failure for the 55 samples analyzed, for a failure rate of 1.82%. The failure was investigated. The nearby samples, within the range of the nearest passed standards, had gold values that were insignificant or were below detection; therefore, no corrective actions were taken and the results were accepted.

The results for OREAS 214 (Figure 2) were scattered about the mean, most commonly within one to two standard deviations of the mean. The neutral trendline throughout fell just below the mean.

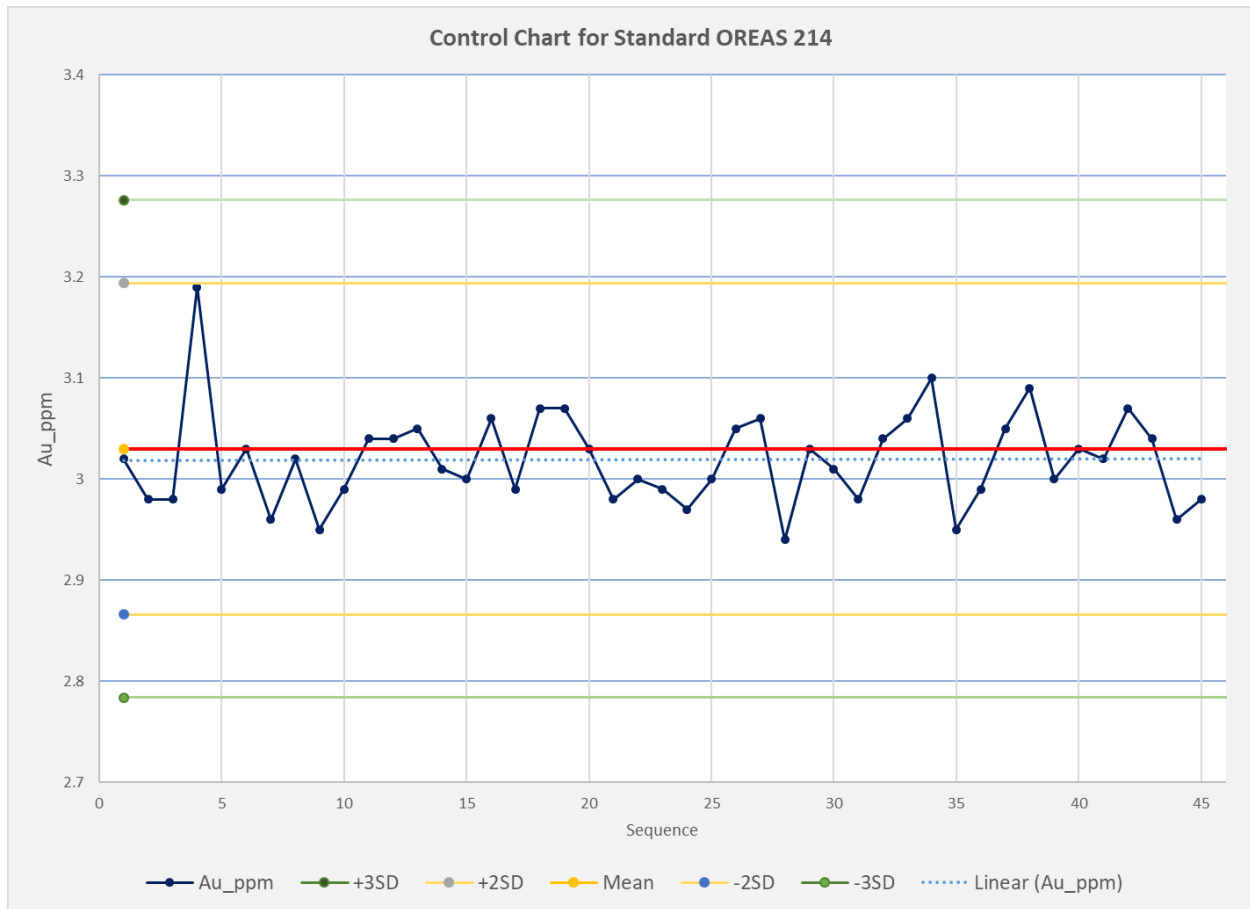


Figure 2. Control chart for standard OREAS 214

Standard OREAS 214 had no analytical failures for the 45 samples analyzed.

The results for OREAS 251 (Figure 3) were scattered about the mean, most commonly within two standard deviations of the mean. Throughout time, there was slight positive trend, passing through the mean approximately halfway through the program.

Standard OREAS 251 had one true failure for the 45 samples analyzed, for a failure rate of 1.82%. The nearby samples, within the range of the nearest passed standards, had gold values that were insignificant were below detection; therefore, no corrective actions were taken and the results were accepted.

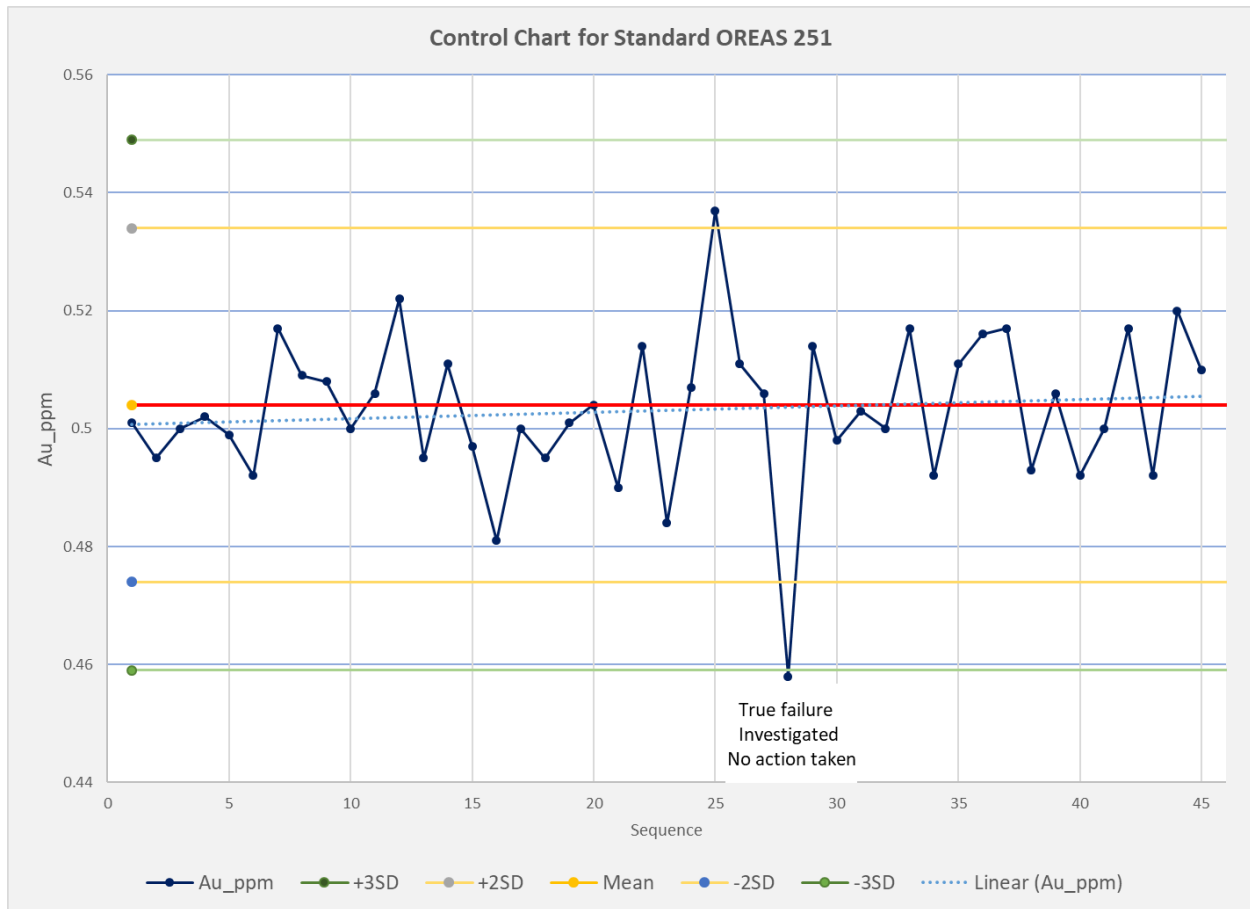


Figure 3. Control chart for standard OREAS 251

There were four sample mix-ups between standards, and blanks and standards, and control samples with regular samples. In all of these cases, the sample properties were checked, the coding in the database was corrected, and the result was re-vetted. There were no subsequent failures.

The results for five blanks of 120 analyzed fell at or above ten times the detection limit, for a warning rate of 4.17%. The highest result of 0.038 ppm Au is insignificant. All results were accepted.

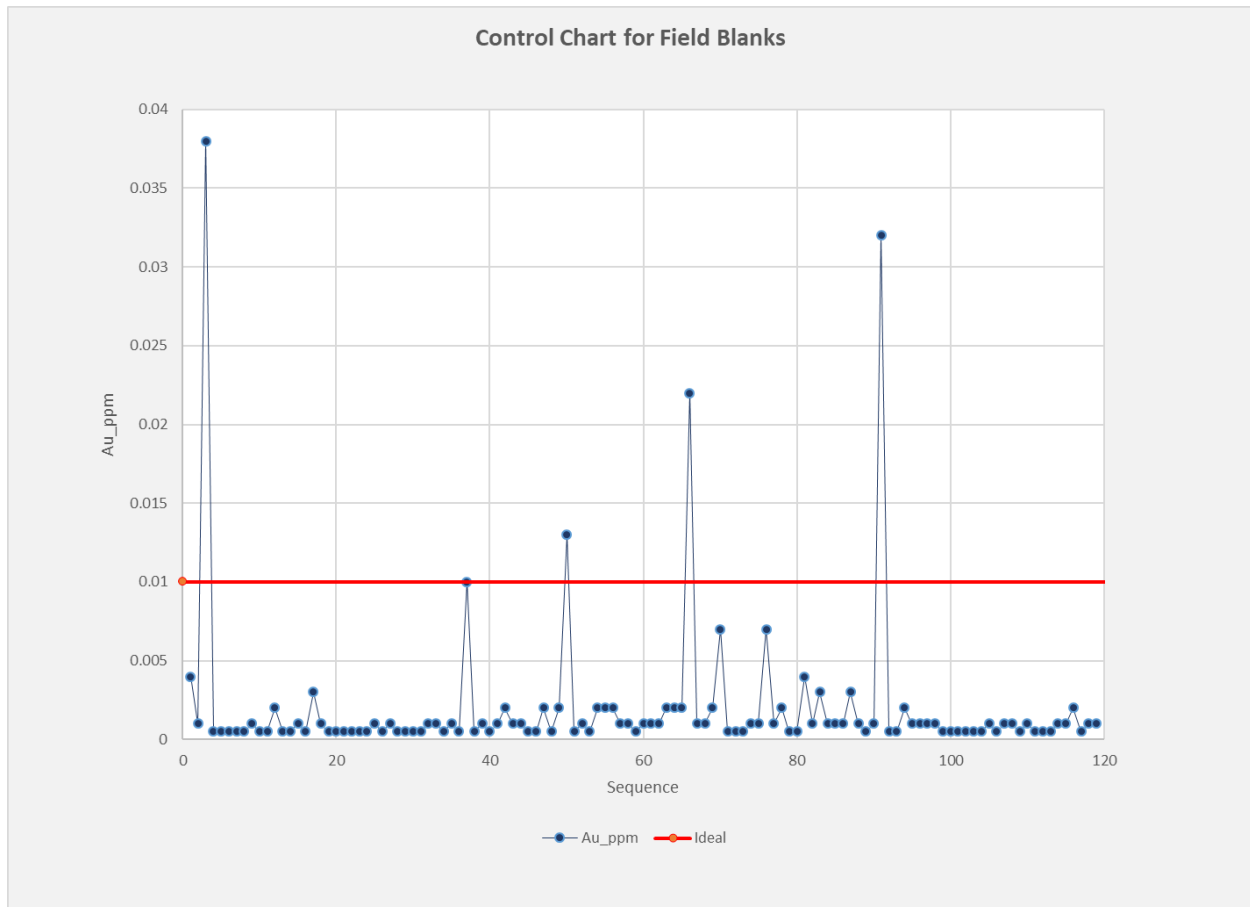


Figure 4. Control chart for blanks

Field Duplicates

The XY charts (Figures 5 and 6) comparing the original versus the field duplicate value of 61 duplicate pairs shows equal but widespread scatter about an idealized trend. The results are marginally biased toward the original sample. The coefficient of determination, or R^2 , value of 80.6% is adequate, but shows that there is variability between the two samples, especially at higher gold concentrations.

A study of the mean value versus the percent absolute difference (Figure 7) between paired values indicates an overall degree of precision of about 40% between field duplicate pairs at 0.45 ppm Au, which suggests a nugget effect. However, as there are few values at the higher concentration, too many duplicates less than or near detection limits, and there are not enough pairs to construct a meaningful Thompson-Howarth chart, the precision of 40% is questionably high.

Additional duplicates should be selected from rocks that look mineralized or that fall within expected mineralized zones. These samples are in addition to the systematic duplicates collected.

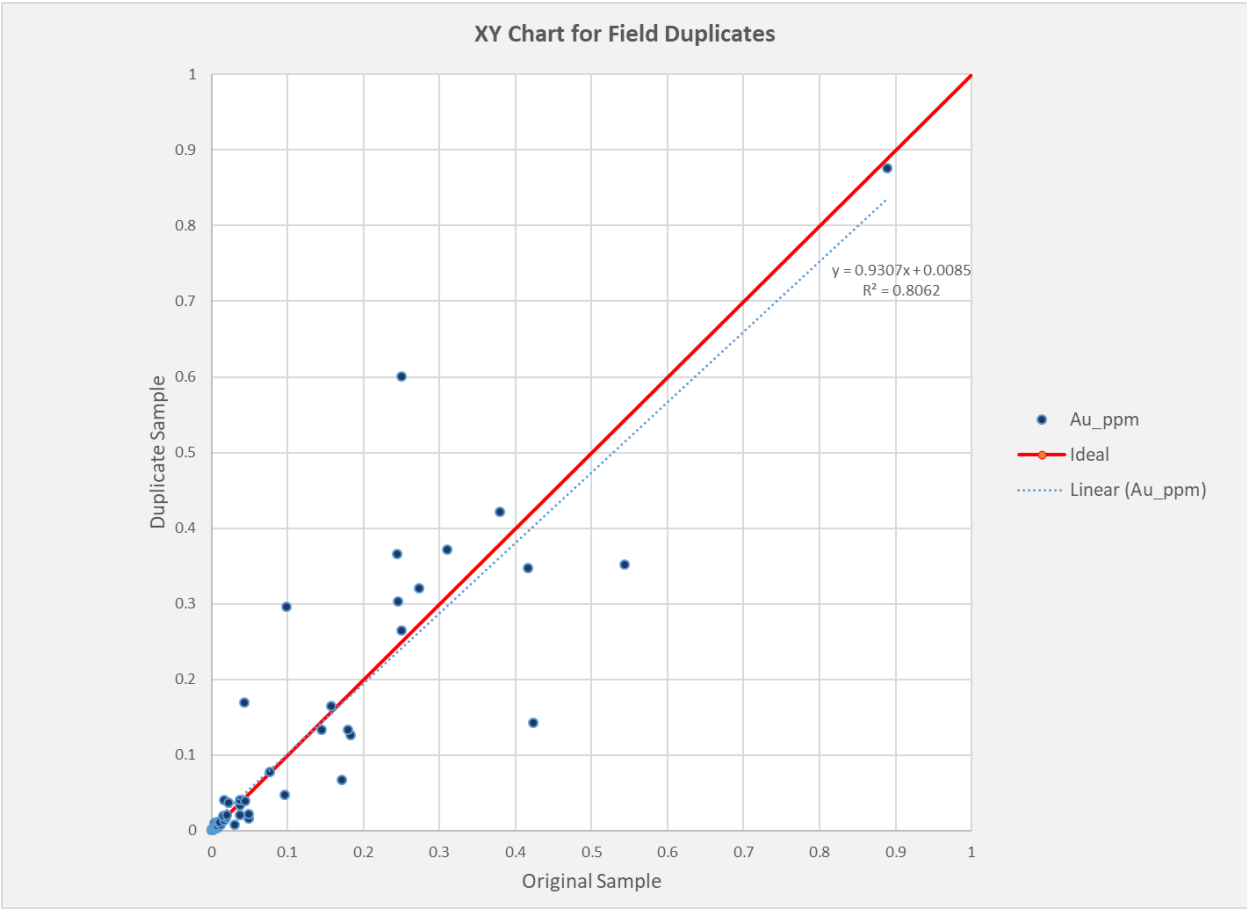


Figure 5. XY chart for field duplicates - full range

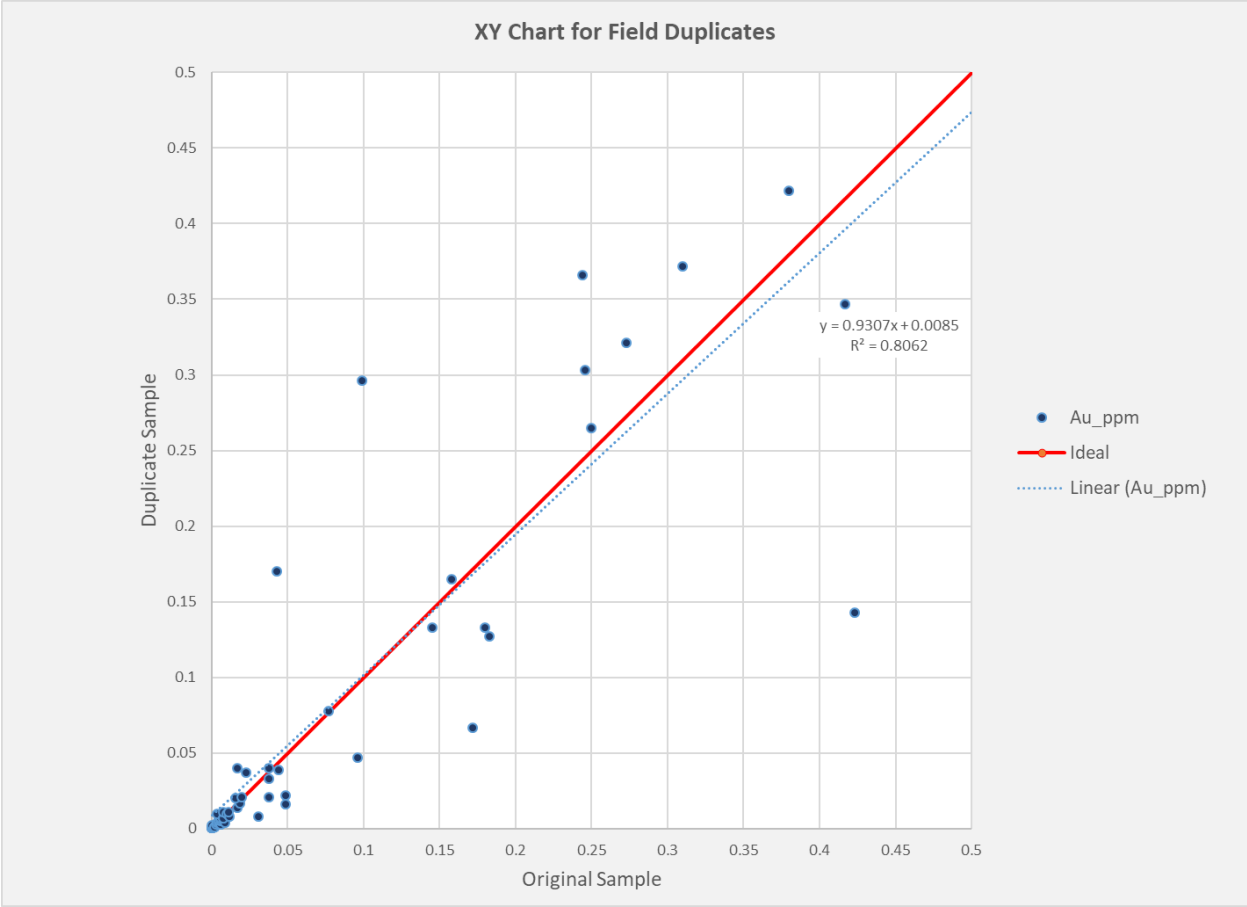


Figure 6. XY chart for field duplicates – <=0.5 ppm

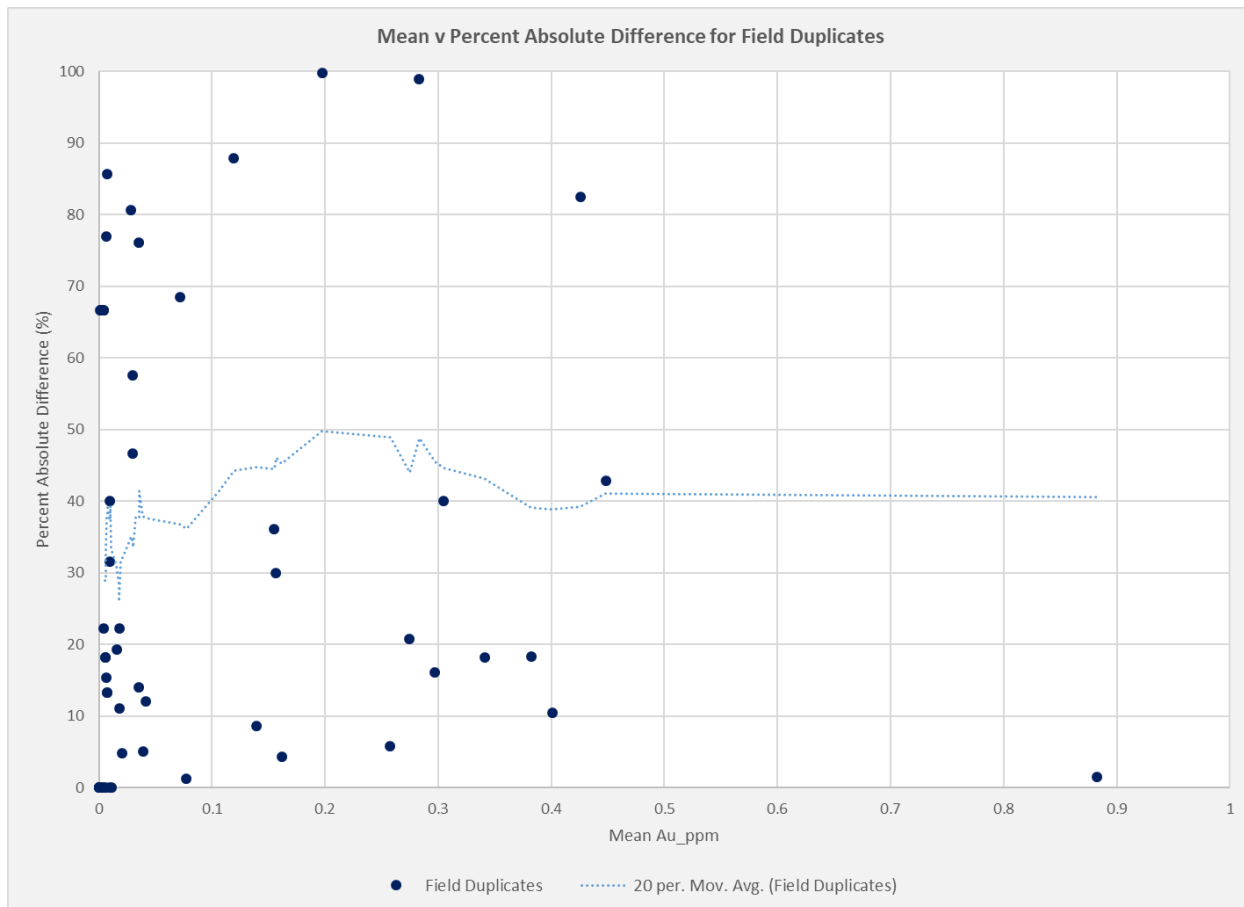


Figure 7. Precision chart for field duplicates

Preparation Duplicates

The XY charts (Figures 8 and 9) comparing the original versus the preparation/coarse (**prep**) duplicate value of 61 duplicate pairs shows scatter about an idealized trend. The results are biased toward the duplicate sample. The coefficient of determination, or R^2 , value of 91.3% is reasonable, but shows that there is some variability between the two samples, especially at increasing gold concentrations.

A study of the mean value versus the percent absolute difference (Figure 10) between paired values indicates an overall degree of precision of about 25% between prep duplicate pairs by 0.45 ppm Au. However, as there are few values at the higher concentration, too many duplicates less than or near detection limits, and there are not enough pairs to construct a meaningful Thompson-Howarth chart, the precision of 25% is questionable, especially for prep duplicate pair that generally have better precision.

In addition to the systematic duplicates collected, additional duplicates should be ordered from rocks that look mineralized, fall within expected mineralized zones, or return results in varying gold concentrations.

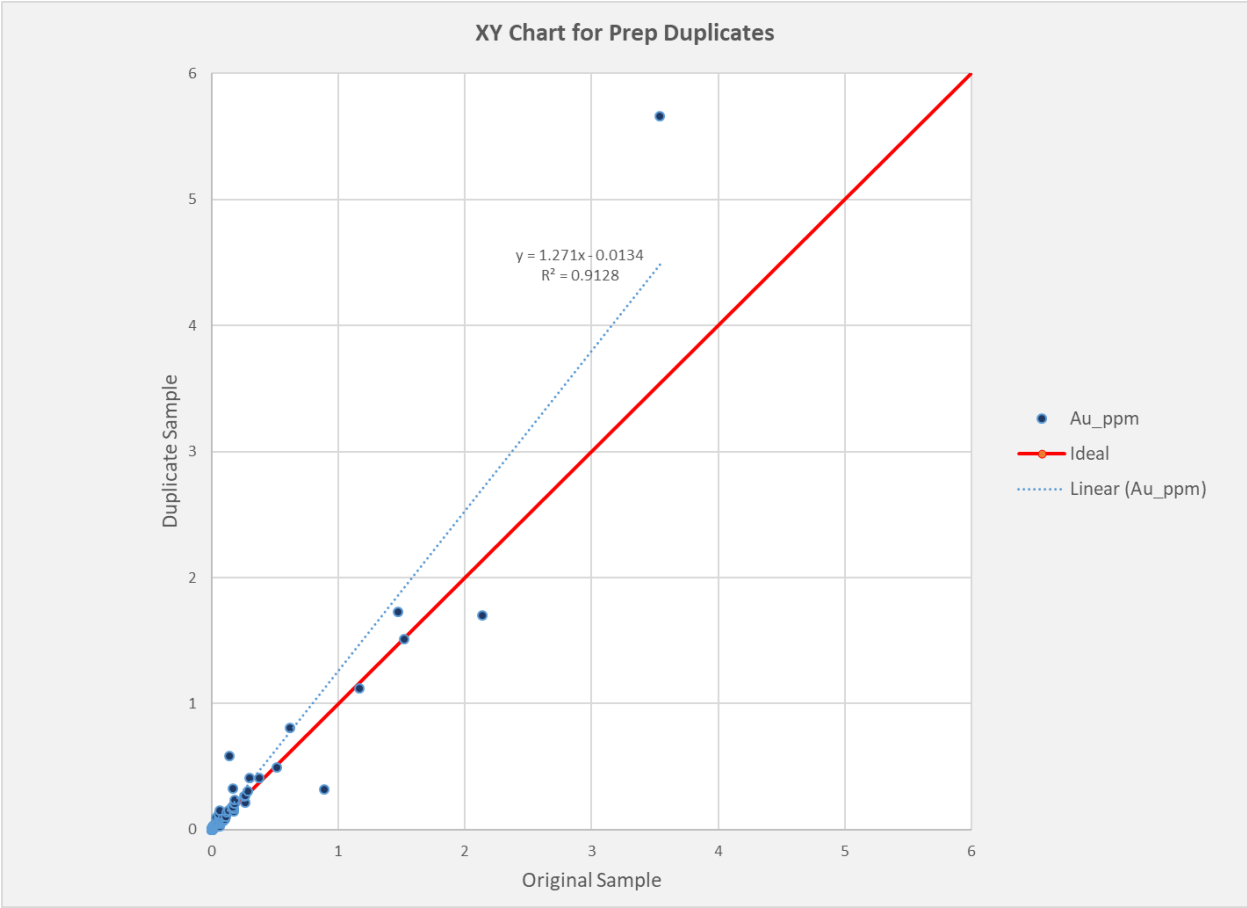


Figure 8. XY chart for prep duplicates – full range

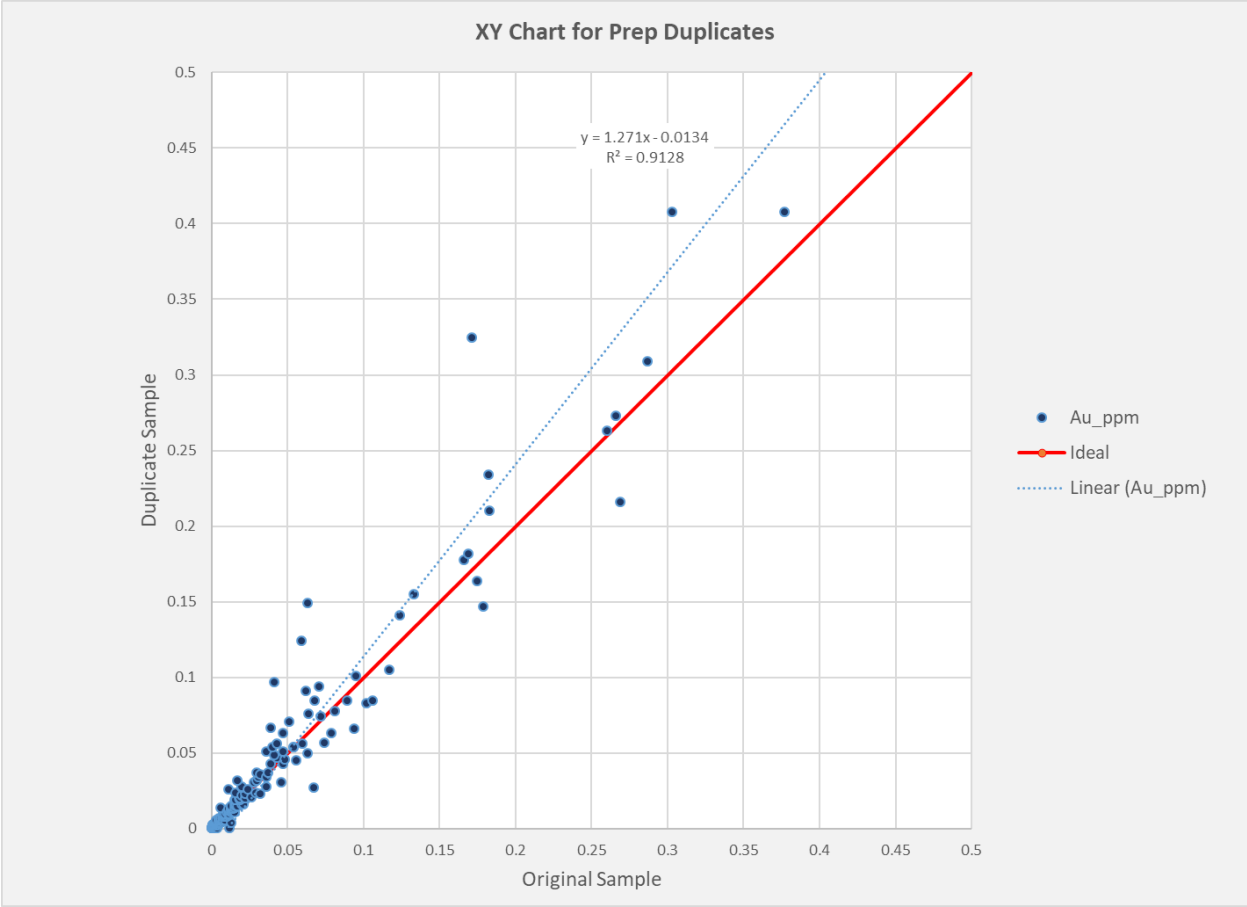


Figure 9. XY chart for prep duplicates – <=0.5 ppm

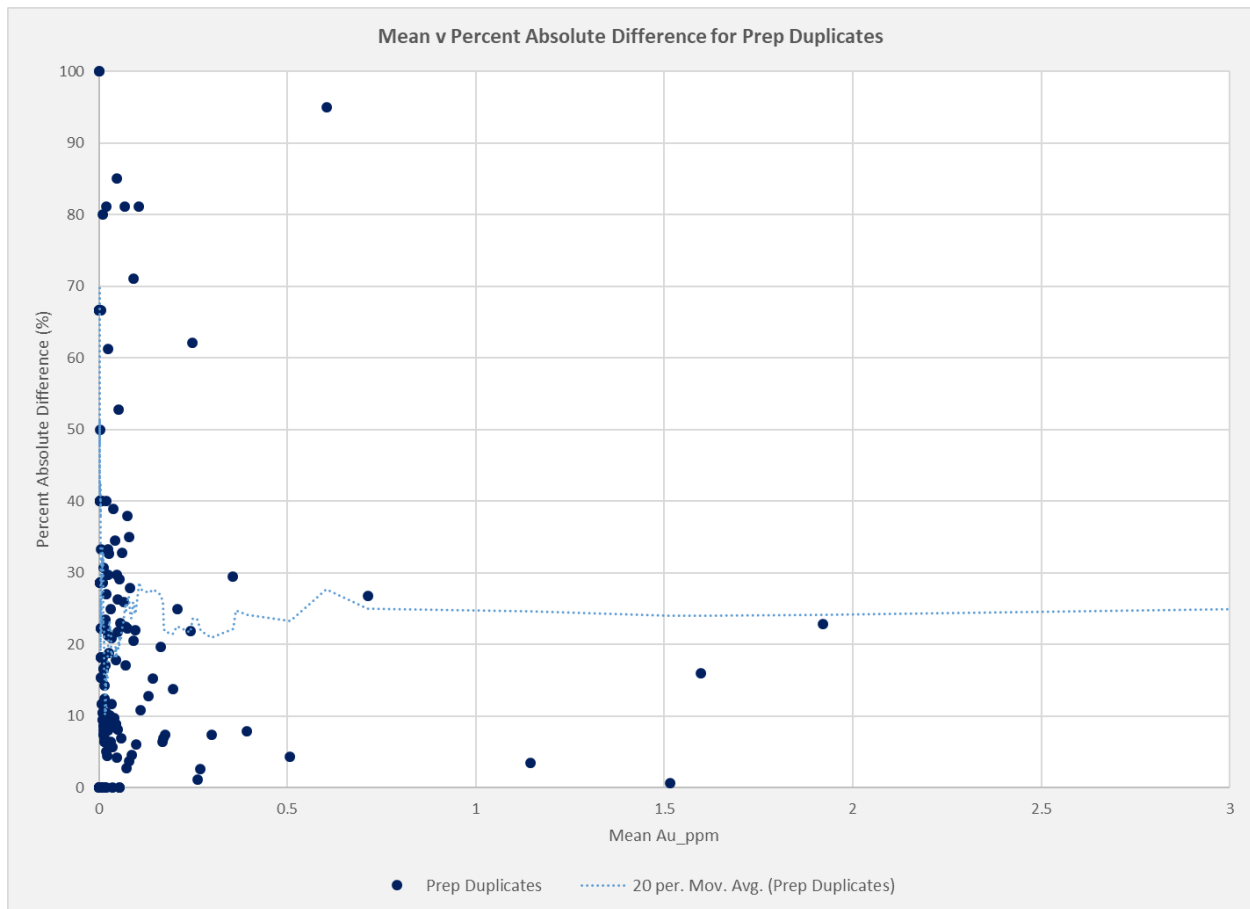


Figure 10. Precision chart for prep duplicates

Pulp Duplicates

Pulp duplicates were not part of the field quality assurance program; however, the lab reported values for duplicate pulp analyses. These results were compiled and assessed

The XY charts (Figures 11 and 12) comparing the original versus the pulp duplicate value of 222 duplicate pairs shows tight scatter about an idealized trend. The results are slightly biased toward the original sample. The coefficient of determination, or R^2 , value of 99.6% is near ideal.

A study of the mean value versus the percent absolute difference (Figure 13) between paired values indicates an overall degree of precision of about 5% between prep duplicate pairs by 0.45 ppm Au.

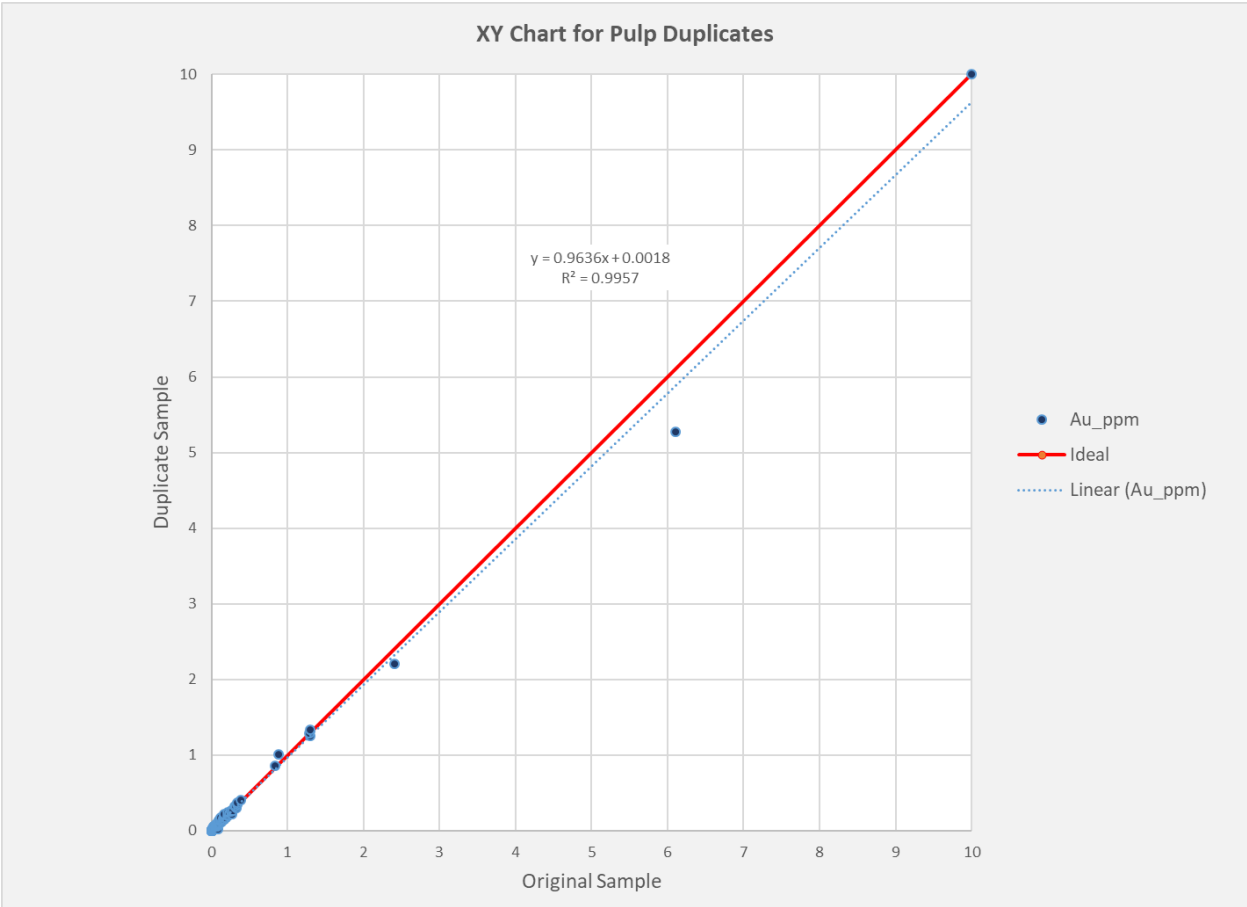


Figure 11. XY chart for pulp duplicates – full range

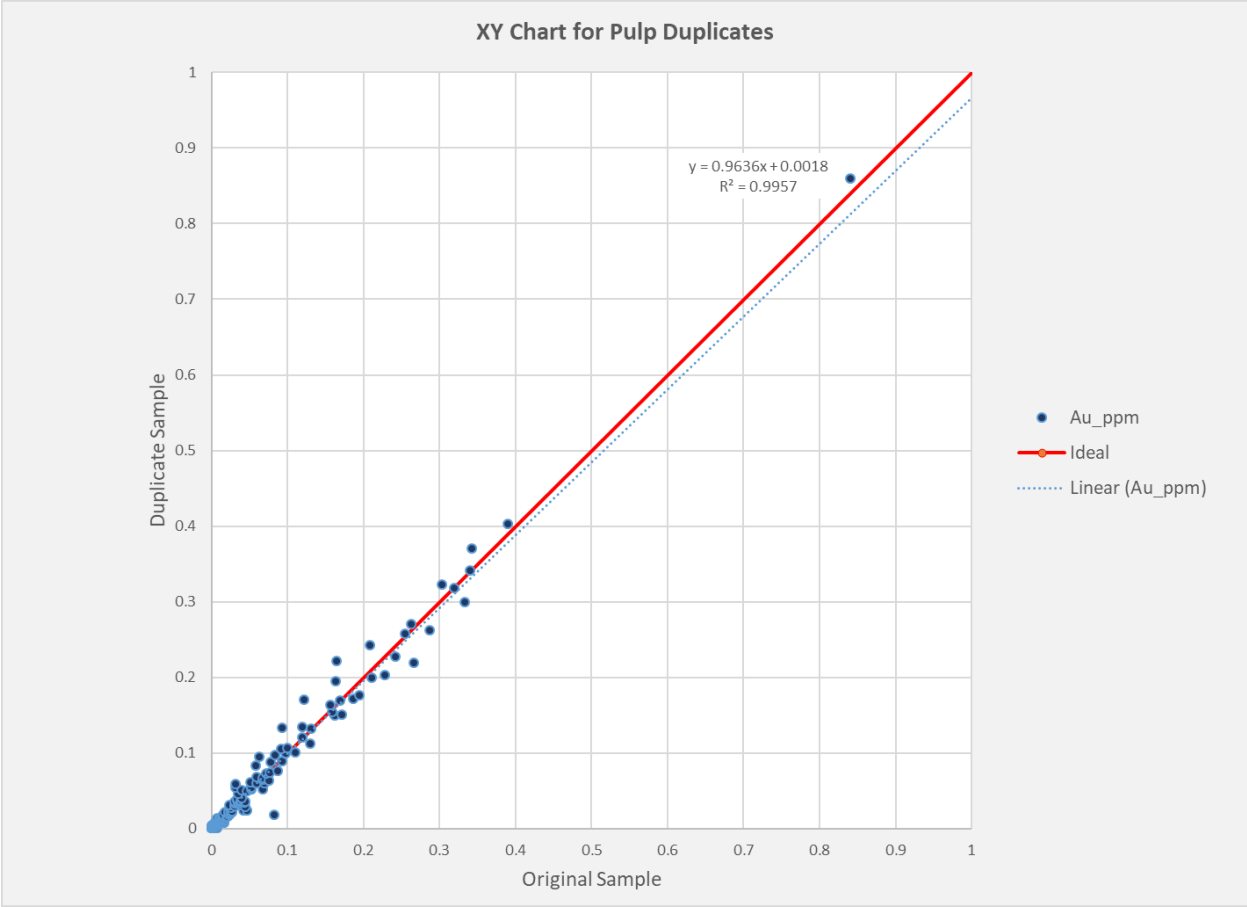


Figure 12. XY chart for prep duplicates – <=1.0 ppm

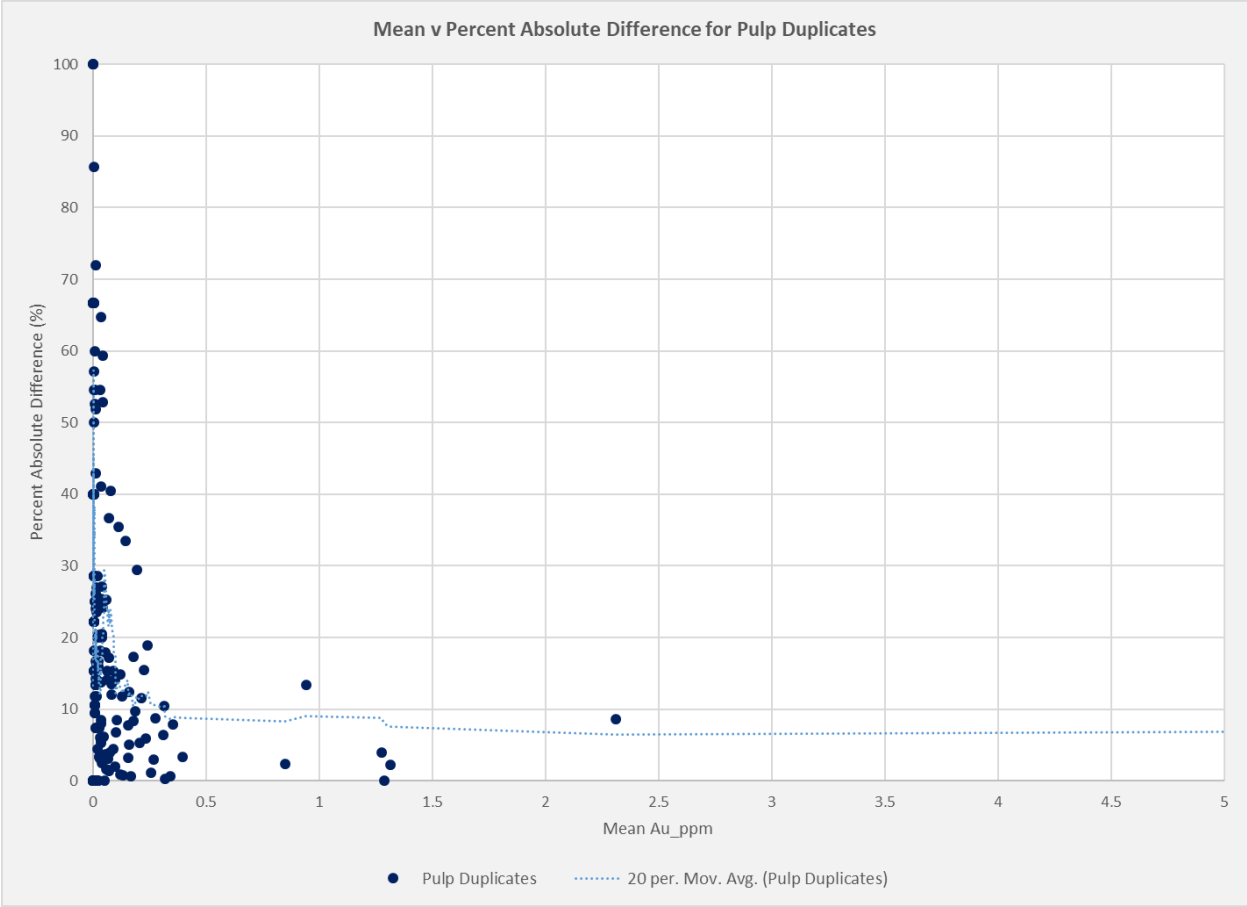


Figure 13. Precision chart for pulp duplicates

Table E: Table of Failures for 2019 samples

HoleID	SampleID	CertID	Name	Mean	SD	Au	2SD	3SD	FB	VetDate	Problem	Action	Result	Y
DO-19-259	A0102656	VO19105423	OREAS 251	0.504	0.02	0.537	FAIL	PASS		30-May-19	Failed on 2SD, but passed on 3SD	No action taken	Value left as is	
DO-19-264	V471704	VO19115679	OREAS 214	3.03	0.08	3.53	FAIL	FAIL		30-May-19	Quite out of range	Checked Webtrieve to see if this was standard, it is; therefore, this is a real failure in an area with significant assay results; need to ask laboratory to rerun results; sections reanalyzed with new results, and certificate was re-issued on June 5	New results from re-issued certificate loaded into database; passed QC	Y
DO-19-268	V469152	VO19115639	GS-P1A	0.143	0.01	0.119	FAIL	FAIL		30-May-19	Failure at exactly the lowest limit; insignificant results nearby	Check nearby results, they are insignificant; no action taken	Value left as is	
DO-19-105X	A0101688	VO19115620	White Stone	0	0	0.032			WARN	02-Jun-19	Au > 10*DL	Checked lab prep to ensure this is a blank; checked adjacent values; sample just before is 4.33 ppm, so this might represent contamination; otherwise, sample is not certified, and as the value is so low, it is insignificant	Value left as is	
DO-19-257	A0100552	VO19103988	OREAS 251	0.504	0.02	0.016	FAIL	FAIL		16-May-19	Looks like this is not a control sample; possibly a duplicate?	Checked prep on Webtrieve; logged in as core, and has similar weight and analytical value as previous sample;	No longer a QA sample	

HoleID	SampleID	CertID	Name	Mean	SD	Au	2SD	3SD	FB	VetDate	Problem	Action	Result	Y
												therefore, I think this is a field duplicate		
DO-19-258	V468352	VO19103996	OREAS 214	3.03	0.08	0.154	FAIL	FAIL		16-May-19	Mixed up with GS-P1A	Changed database record and re- vetted	Passed QC	
DO-19-258	V468408	VO19104002	OREAS 251	0.504	0.02	3.01	FAIL	FAIL		16-May-19	Mixed up with OREAS 214	Changed database record and re- vetted	Passed QC	
DO-19-262	A0103352	VO19111106	OREAS 214	3.03	0.08	<0.001	FAIL	FAIL		22-May-19	Looks like a mixup with a blank	Checked prep on Webtrieve; logged in as core, and has similar weight and analytical value as previous sample; therefore, I think this is a field duplicate; change record in database to a field duplicate	No longer a QA sample	
DO-19-267	V470904	VO19111127	OREAS 251	0.504	0.02	0.562	FAIL	FAIL		22-May-19	Just above (Mean+3SD)	Checked adjacent samples; no significant values above through nearest blanks and standard; moderate (>0.1 ppm Au) mineralization within 10 sample below; this is a true failure requested lab to check results between V470889 and V470936 on 25-May-19; sections reanalyzed with new results, and certificate was re-issued on June 5	New results from re- issued certificate loaded into database; passed QC	Y

HoleID	SampleID	CertID	Name	Mean	SD	Au	2SD	3SD	FB	VetDate	Problem	Action	Result	Y
DO-19-261	A0103056	VO19111104	OREAS 251	0.504	0.02	0.458	FAIL	FAIL		22-May-19	Just below (Mean-3SD)	Checked adjacent samples; no significant values within the closest blanks, or beyond to the closest standards; no action taken	This is a true failure; no action taken	Y
DO-19-255	A0100184	VO19091106	White Stone			0.038			WARN	22-May-19	Au > 10*DL	Checked lab prep to ensure this is a blank; checked adjacent values; sample just before has approximate same grade, but in general, the results are not significant	Value left as is	
DO-19-262	A0103440	VO19111115	White Stone			0.022			WARN	22-May-19	Au > 10*DL	Checked lab prep to ensure this is a blank; checked adjacent values; sample just before is 6.84 ppm, so this might represent contamination; otherwise, sample is not certified, and as the value is so low, it is insignificant	Value left as is	
DO-19-261	A0102936	VO19111098	White Stone			0.013			WARN	22-May-19	Au > 10*DL	Checked lab prep to ensure this is a blank; checked adjacent values; sample just before has approximate same grade, but in general, the results are not significant	Value left as is	

APPENDIX 10: DOUAY PROTOCOLS

SPOTTING THE COLLAR LOCATION

- Locate collar location using handheld GPS unit (UTM NAD83)
- Make location with a picket marked with PropID, Az, Dip, and planned Length
- Set foresights and backsights
- Show drill foreman each location

PAD PREPARATION AND RECORD KEEPING

- Once access and pad had been created:
- Reset collar location picket, foresights and backsights
- Update records
- Check often to understand the status of your next site

ALIGNING THE DRILL

DOWNHOLE SURVEY

- Taken by driller as hole is being drilled
- Written into timesheets and onto slips of paper
- Geologist enters into GeoticLog Downhole Survey table
- At the end of hole csv archive, and loaded into special Geotic table later

Tests are to be taken after the casing at the following intervals:

1. 6 m after the casing
2. 9 m
3. 9 m
4. 15 m
5. And every 30 m ongoing

The acceptable deviations were set as one degree per 100 meters drilled for both azimuth and dip.

Monitor this activity, and if the holes are appearing to deviate, we can re-evaluate the distances.

COLLAR SURVEY

- Collect collar location using handheld GPS (UTM NAD83, Zone 17)
- Update records

- Survey Method is Handheld GPS until superseded by superior method (eg. DGPS)

CORE TRANSPORT

- Core boxes are covered with an inverted core box, wrapped with a band, and placed in the snowmobile sled
- Boxes are transported by snowmobile to the truck, where they are placed into the truck box
- Boxes are delivered to the core shed by the driller at the end of the shift
- The core is being placed on horses in the main logging area
- If the core is NOT delivered, then go get it

SHIFT REPORTS AND DOWNHOLE SURVEY SLIPS

SHIFT REPORT

- The Shift report book with the day and night shift reports for the previous day are placed by foreman in the appropriate wall folder in the dry by 7:00 am
- The geologist responsible for the drill reviews the timesheets, makes any corrections or comments, and signs them – MGM retains the yellow copies
- The geologist enters the information for the timesheets into a tracking spreadsheet stored on server
- The geologist puts the yellow copies of the timesheets in the appropriate binder, newest records on top, in the office

DOWNHOLE SURVEY SLIPS

- The slips for the downhole surveys are brought in along with the core at the end of each shift and are given to the geologist
- The geologist checks that the information written in the timesheets matches the downhole survey slip
- The geologist makes and appropriate corrections onto the downhole survey slip (eg. correct date, time, negative dip, etc.)
- The geologist enters the downhole information into GeoticLog and the Quick Log
- The geologist puts the yellow copies of the downhole survey slips into the appropriate file folder
- When the hole is complete, the geologist clips all the records for a single hole together

QUICK LOGS

- The geologist prepares a Quick Log every morning
- The geologist sends the Quick Log to F. Speidel by 10:00 am every day; if there are multiple holes in process, have ONE geologist send all of the Quick Logs
- The Quick Logs are located and saved on server

BOX MARKING AND INVENTORY

- Uncover the boxes
- Place boxes in order, in groups of four, onto the core logging tables
- Check that the blocks are in order, in the right place, and that none is duplicated or missing
- Put black mark in box in block location
- Measure and mark start and end meterages for boxes, using block markers as reference
 - A soft pencil or a lumber pencil is a better and more permanent marker than a Sharpie
- Record start and end meterages for all boxes onto a paper form, and then enter into the CoreBoxes.xlsx spreadsheet stored on server
- Write the HoleID and box number on the end of the box, for easy reference later
- When the hole is complete, load the box information into GeoticLog
- At the end of the drill program, send the spreadsheet to Service Exploration so they can print the metal tags
- Affix metal tags to the ends of the core boxes

METERAGE MARKING

- Using a white wax pencil, draw a line and the distance on the core marking one-meter long intervals
- Draw the white line and write the distance even where there are meterage blocks

GEOTECHNICAL LOGGING

Geotechnical logging should be a fast procedure. To introduce precision where is not required does not improve the product. As a geotechnical engineer once whote: “It is better to be roughly right than precisely wrong.”

Record geotechnical information directly into GeoticLog OR into a spreadsheet to be imported

- The geologist should do his own geotechnical logging or frequently check when it’s done by technicians
- Geotechnical measurements are recorded for each 3 meter run
- **Recovery** – how much core is in the box; it should be 3.0 m or very close
- **RQD** – a measurement of the quality of the rock; the sum of the pieces of core >10 cm: only NATURAL breaks are considered
- **Joint Count:** A count of REAL joints or fractures

About RQD

- A measurement of the quality of the rock in situ NOT a measurement of what we have done to the rock – we really wreck the rock when we drill and transport it
- MOST breaks in a rock are created by the drilling and handling of the core

- At Douay, except when passing through the faults, the RQD should be at or close to 3.0 m

Machine/Human Breaks vs Natural Breaks

- Natural breaks are uncemented fractures with rust or other oxides
- Broken cemented joints are not natural breaks
- Unnatural breaks are often perpendicular to core, have rough surfaces, rounded surfaces (drilling), and have no coatings

Considerations

- If you measure 2.98, then record 3.00 – you’ve seen how the core comes out of the tube – to be precise to two decimal places is not appropriate
- Check that the block is in the correct place: if one run measures 3.10 and the other 2.9, and there is a 10 cm piece of core at the margin, move the core or the block
- Tell the driller (or foreman) if there are too many short runs, or if the core is excessively broken, or if the core is misaligned in the boxes; if they don’t now there are problems, then they cannot be corrected

READ THIS great explanation of how to identify types of breaks

H:\1 Exploration\Protocols\Examples\KupolGeotechnical.pdf

GEOLOGICAL LOGGING

Good descriptions with quantified and qualified observations

Lithology

Alteration

Mineralization

Structure

ORIENTED STRUCTURE

- Oriented structure measurements are taken with the IQ logger device. All computers have the software installed and a successful connection to the device. Note: make sure the Bluetooth is off in all computers except the one using the IQ logger, as the device will automatically connect to the last computer it was connected to.
- Measurements to be taken are indicated by the geologist with a blue marker, outlining the plane of the structure to be measured (preferably, ~ 0.5cm adjacent to the structure in order to avoid losing any detail by writing over it).
- The geologist will use his/ her own discretion to choose which structures are important and how many measurements will be taken. Structures to be measured include contacts between lithologies, shear, veins, foliation, faults, and fractures. Not all fractures must be measured, as

they are abundant, but the geologist may choose to measure any trends in fracture orientation, especially if they appear to be mineralized.

- Preferably, the geologist will write a brief description of the structure in the 'Notes' tab.
- In case the structure is 'wiggly' or changes directions, a general trend of the structure will be measured. If the geologist is unsure of the measurement, he/she will check the 'QA flag' box, to indicate the uncertainty.
- The file should be exported at the end of the day and saved on server. The file will be renamed as IQ_DO-18-204_50-100 (example).
- Geologists are responsible for oriented structure measurements. Certain technicians (those that are geologists) are proficient in measuring structures outlined by the geologist. However, the geologist is responsible of indicating QA and noting down a brief description.

DESCRIPTION/SUMMARY

- Update GeoticLog (Information/Description) with any information about Drilling, or whatever we want someone to know about this whole.
- State the expectations for the hole, make a summary of the hole [like in the weekly reports], and state if the expectations for the hole were met.

SPECIFIC GRAVITY

- Select at least one sample per 6 meters
- 10 cm whole core usually works well

We use SG interchangeably with density; however, density is an SG that has been corrected by temperature.

ARCHIMEDES METHOD – ELECTRONIC BALANCE WITH A BOTTOM HOOK

Requirements:

- Platform
- Container for water
- Fashion a harness out of baling wire or similar

Method

- Measure the mass of a completely dry core sample suspended in air
- Measure the mass of the sample suspended in water
- Enter information into a corresponding spreadsheet stored on server

(Note: when I do this, I usually obtain the mass of all the dry samples, and then do the mass of all the suspended in water samples. It is quicker if one does not switch from task to task. If you use the top

platform for the in air mass measurements, then you must account for the mass of the harness when suspended in air. [use tare])

Note: THE MASS OF THE SAMPLES SUSPENDED IN WATER MUST BE LESS THAN THE MASS OF THE SAMPLE IN AIR. IF IT IS NOT, THEN REDO THE MEASUREMENTS.

MPP

These are the procedures to take MPP measurements.

- The geologist is responsible for the MPP even if a technician makes the measurements.
- MPP measurements are taken every 0.5 m – please start on a whole or a half meter distance (eg. 0.5 and 1.0 +; set up the auto-increment correctly).
- Please ensure that there is a few seconds wait between measurements. If measurements are taken too quickly, the MPP will not have enough time to process the data and will write a '?' next to the data, potentially rendering inaccurate values (there may also be other reasons why a '?' is obtained besides a value).
- All computers are equipped with the 'Windows Mobile Device Center' software used to export the data. The software should automatically begin when the device is connected the computer. The files will be found by the path: Connect without setting up your device → File Management → Browse the contents of your device → Juniper Systems Archer 2 (or ':') → My Documents → MPP.
- The datafiles must be correctly named and placed on the server every day. The location for the MPP files is H:\1 Exploration\Datafiles_MPP
- Geologists are responsible for importing this data into GeoticLog.

Naming Convention

The HoleID in the filename must exactly match the HoleID as it is in the database.

The HoleID in the header must exactly match the HoleID as it is in the database AND the HoleID as it is in the file name.

Example: **MPP_DO-18-203_43-137m.txt**

SCIP

These are the procedures to take SCIP measurements.

- SCIP measurements will be taken by the technicians.
- When making the cupric sulphate solution, it is necessary that the technicians wear all protective equipment, including gloves, visor, and lab coat.

- The sample should be dry, as water will increase the conductivity. If necessary, a hair dryer is available to dry the sample.
- The hole ID, depth and length of the piece of core is noted in the Archer system. Measurement settings are set to standard values: 10 measurements (system automatically averages them), 0.3mV and 0.5mA.
- A measurement takes 3-5 minutes, depending on whether the sample is wet, too short/long, or has a resistivity above 50,000 kOhms (this will affect the chargeability values).
- Measuring will be done systematically every 3m and wherever the geologist requests it. Geologists will request SCIP measurements wherever there is a mineralized zone or an increase in pyrite (or other sulfides) abundance. When there is an increase in drilling production, the measurements will be taken every 6m, to optimize the technicians' time.
- The working station is set up so that a given sample will be analyzed for XRF and immediately afterwards will be analyzed for SCIP. Ideally, this sample will be analyzed for density as well.
- The sample will be marked 'IP' with a blue marker.
- All computers are equipped with the 'Windows Mobile Device Center' software used to export the data. The software should automatically begin when the device is connected to the computer. The files will be found by the path: Connect without setting up your device → File Management → Browse the contents of your device → Juniper Systems Archer 2 (or '\') → My Documents.
- The files must be exported to the computer at the end of every day. The location for the SCIP files is: H:\1 Exploration\Datafiles SCIP.
- Files will follow the naming convention of SCIP_DO-18-204_50-100. The file is saved as a 'gdd' file, in order to view the data, it can be opened in Excel by clicking 'All files', selecting the folder, and selecting the delimiter type as 'Fixed with'.

XRF

These are the procedures to take XRF measurements.

- XRF measurements will be taken by the technicians.
- The XRF settings are pre-set in the software and can be changed in the computer, if necessary. All computers may NOT be equipped with the XRF software, but it can be easily installed by downloading it from H:\1 Exploration\Reflex-Documentation\XRF_Vanta.
- The sample must be dry, short enough to fit in the "BBQ" and must be stabilized with a wooden block (if it rolls during the measurements, it will stop analyzing and will have to restart).
- The hole ID and depth is recorded in the XRF.
- Every measurement takes approximately 5 minutes. Two tests are done and the XRF calculates an average automatically. The XRF automatically gives the measurement a file name, which should be recorded, as every day the XRF will begin at measurement #1.
- XRF measurements will be taken systematically every 3 or 6m and as requested by the geologist.
- The working station is set up so that a given sample will be analyzed for XRF and immediately afterwards will be analyzed for SCIP. Ideally, this sample will be analyzed for density as well.

- The sample will be marked 'XRF' with a blue marker, specifically on the location where it was analyzed.
- The data is exported to H:\1 Exploration\Datafiles_XRF. Exporting is done according to the 'XRF Users Guide' found in H:\1 Exploration\Reflex-Documentation.
- Naming convention for the XRF files will be: XRF_DO-18-204_50-100.

SAMPLING AND QUALITY ASSURANCE

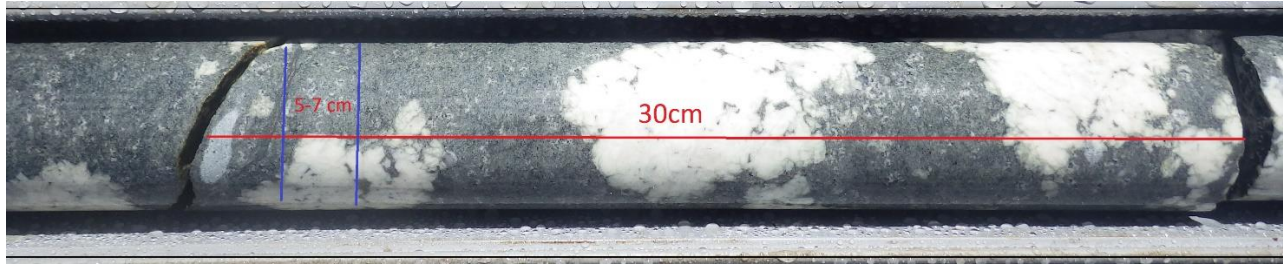
- Samples are selected based on lithology, alteration, and mineralization.
- Samples are between 0.3 and 1.0 m, with exception (eg. a 1.1 m sample rather than a 1.0 and a 0.1 m sample). The typical sample length is 1.0 m, unless lithology, alteration, or mineralization require otherwise. The minimum sample length is 0.30 m.
- Samples are clearly marked on the core with start and end points using a red marker.
- Write sample tags – fill out books, and write the From-To on the tags that go into the boxes.
- The sample tag is placed at the BEGINNING of the sample.
- Include the control samples according to the chart.
- The sample tag for the control sample is placed in the box next to the regular sample, but with a notation (eg. FD, CD, OREAS 214)
- Field duplicates (two ¼ core samples labeled sequentially) are marked with a blue ribbon at the beginning of the sample.
- Coarse duplicates (a regular ½ core sample followed by an empty bag with the next sequential sample tag – the lab makes this sample) is marked with an orange ribbon at the beginning of the sample.
- If it helps to identify the standards and blanks with ribbons or crayon marks, please implement (and document).
- All sample tags and ribbons should be visible (and readable) in the core photograph.
- The easier it is for the core cutters, the better.

Note: The information below is part of the more detailed document.

Appropriate sampling and quality assurance/quality control procedures are to ensure the best possible confidence in resultant mineral resource and reserve estimates. The quality of an estimate is dependent on the quality of the data used.

SAMPLE SELECTION AND CORE MARKING

Samples should reflect lithology, alteration, and mineralization.
 The typical sample length is 1.0 m, unless lithology, alteration, or mineralization require otherwise.
 The minimum sample length is 0.30 m.



SAMPLE TAGS AND BOOKLETS

Sample booklets are a permanent record of sampling. It is critical that they are labeled and stored correctly.

Sample booklets contain 50 pages, each with four tags with a sample number and bar code. The stub remains in the booklet, two portions are stapled into the corebox, and one portion is placed into the sample bag.

Every stub that remains in the booklet is labeled with HoleID and From-To, and the type of control sample, if applicable.

The sample sequence is written on the lower left corner of the face. The HoleID and Start-End of sampling is written on the top left portion of the face. The booklet cover is trimmed to the edge of size of the stubs. The booklets are safely stored.



Figure A: How to fill out a sample tag book – cover

Stub – remains in booklet

ALS Minerals

DATE: _____

CORE SIZE: _____

DRILL HOLE: **DO-18-203**

FOOTAGE: **156.0 – 157.0**

REMARKS: _____

ANALYSIS: _____

W057501

W057501

DATE: _____

REMARKS: _____

(01/2017)

Sample bag

ALS Minerals

DATE: _____

REMARKS: _____

W057501

W057501

(Assayer's Use)

(Assayer's Use)

(01/2017)

Figure B: How to fill out a sample tag book – regular sample

ALS Minerals

DATE: _____

CORE SIZE: _____

DRILL HOLE: **DO-18-203**

FOOTAGE: _____

REMARKS: **Blank**

ANALYSIS: _____

W057536

W057536

DATE: _____

REMARKS: _____

(01/2017)

ALS Minerals

DATE: _____ **Blank**

REMARKS: _____

W057536

W057536

(Assayer's Use)

(01/2017)

Figure C: How to fill out a sample tag book – control sample

ALS Minerals

DATE: _____

CORE SIZE: _____

DRILL HOLE: **DO-18-203**

FOOTAGE: **189.0-190.0**

REMARKS: **FDU**

ANALYSIS: **Ref W057520**

W057521

W057521

DATE: _____

REMARKS: _____

(01/2017)

ALS Minerals

DATE: _____

REMARKS: **FDU**

Ref W057520

W057521

W057521

(Assayer's Use)

(01/2017)

Figure D: How to fill out a sample tag book – duplicate sample

QUALITY ASSURANCE AND QUALITY CONTROL

Quality assurance is a proactive approach to ensuring the integrity of the analytical results from core samples.

This occurs before samples are sent to the laboratory, and includes the systematic insertion of control samples, such as standards, blanks, or duplicates, into the sample stream. Ideally, these control samples are blind to the laboratory; however, in all cases, these samples have a different look, feel, and weight when compared to the regular core samples.

Quality control is a crucial reactive process that involves analyzing the data returned from the laboratory.

CONTROL SAMPLES

Certified Reference Material

Certified reference materials (**CRM**), or standards, measure the accuracy and reliability of the laboratory at certain concentrations. These are materials purchased from a qualified laboratory. Ideally, the composition and grade of the standard reflects that of the property.

Standards are pulverized rock, usually packaged into 60 g allotments.

Blank

Field blanks are samples that are barren of mineralization. They test for contamination at the laboratory or for sample mix-ups.

White decorative garden stone is used as a blank. Blank CRMs can also be purchased.

Duplicates

Duplicates measure the precision, or reproducibility, of a result at different stages of preparation.

Field Duplicates check the quality of the mineralization, and help to identify any nugget effect. They are created by halving one half of core to create two quarter core samples that are analyzed independently.

Coarse (or prep) duplicates are created after the core has been crushed, and check for homogeneity at this stage. The laboratory creates this duplicate on request.

Pulp duplicates test the precision of a pulverized sample. The laboratory automatically runs a pulp duplicate every 10 samples.

Typically, the precision improves from field to coarse to pulp samples.

Control samples are inserted according to the Sample Insertion Frequency Chart (Table 1).

Table 1: Sample Insertion Frequency Chart

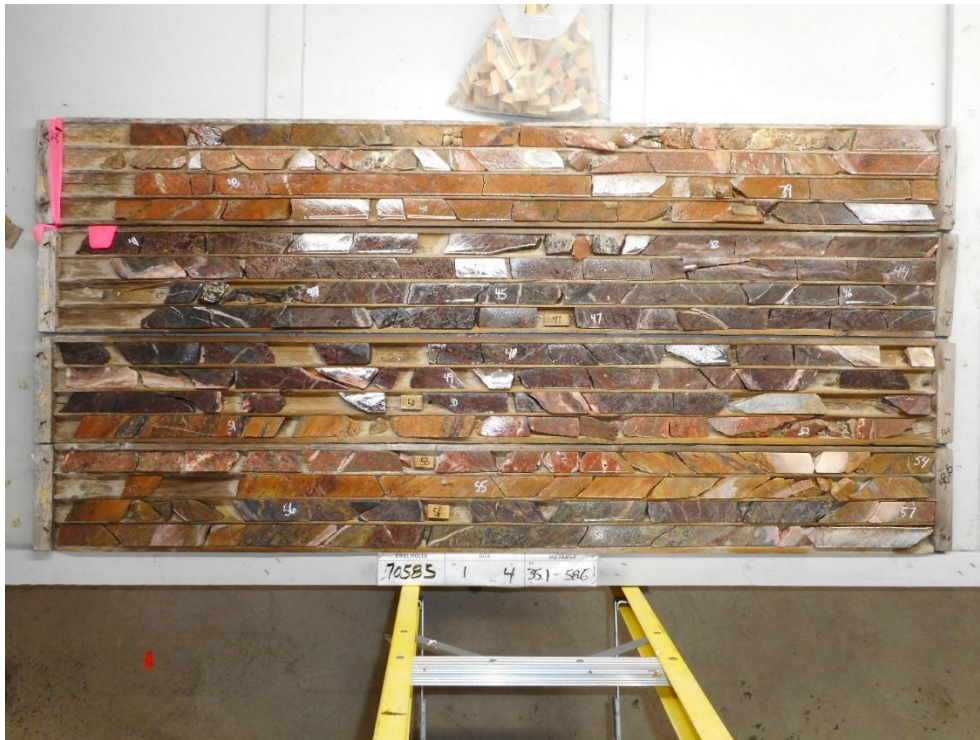
Ending	SampType	Ending	SampType	Ending	SampType	Ending	SampType	Ending	SampType
8	GS-P1A	208	OREAS 214	408	OREAS 251	608	GS-P1A	808	OREAS 214
25	FDU	225	FDU	425	FDU	625	FDU	825	FDU
40	FB	240	FB	440	FB	640	FB	840	FB
56	OREAS 251	256	GS-P1A	456	OREAS 214	656	OREAS 251	856	GS-P1A
73	CDU	273	CDU	473	CDU	673	CDU	873	CDU
88	FB	288	FB	488	FB	688	FB	888	FB
104	OREAS 214	304	OREAS 251	504	GS-P1A	704	OREAS 214	904	OREAS 251
121	FDU	321	FDU	521	FDU	721	FDU	921	FDU
136	FB	336	FB	536	FB	736	FB	936	FB
152	GS-P1A	352	OREAS 214	552	OREAS 251	752	GS-P1A	952	OREAS 214
169	CDU	369	CDU	569	CDU	769	CDU	969	CDU
184	FB	384	FB	584	FB	784	FB	984	FB
200	OREAS 251	400	GS-P1A	600	OREAS 214	800	OREAS 251	1000	GS-P1A
Eg. Sample V902256 is a standard GS-P1A; sample X456840 is a field blank									
OCD = Original coarse duplicate; CDU = duplicate of previous sample; eg. Sample R125473 is a coarse duplicate of R125472									
OFD = original sample; FDU = duplicate of OFD; each sample is 1/4 core; eg. Sample Z337025 is a field duplicate of Z337024									
FB = field blank									

CORE PHOTOGRAPHY

Good quality photographs are a crucial component of every drilling program. They serve as a permanent record of the core that is useful for a variety of geological, geotechnical, or administrative tasks.

Core is photographed after the boxes have been marked, the hole has been logged, and all the sample locations have been marked.

The geologist that logged the hole must check that the photographs are of good quality before the core is sent to the cut shed. If the photographs are not good, then they must be re-taken.



PHOTOGRAPH

Core is photographed in sets of four left-aligned boxes.

CROPPING

Crop each photograph to the dimensions of the boxes.



After



NAMING CONVENTION

- Wet: HoleID_XXX.XX-XXX.XX_W.jpg
- Dry: HoleID_XXX.XX-XXX.XX_D.jpg
- Closeup: HoleID_Close-up_XXX.XX.jpg

Eg. **DO-18-203_045.90-050.70_W.jpg**

Rules:

1. The HoleID must exactly match how it is recorded in the database.
2. There must not be gaps or overlaps in From-To information.
3. The last pictures do NOT need EOH in the filename.
4. The first From must exactly match the first logged From in lithology and geotechnical tables.
5. The last To must exactly match the hole length.

Why?

If the holes are named carefully and consistently, then the HoleID, From, To, State (W/D) and filename can be extracted using a simple command. This information can be directly loaded into the Geotic database, or stored as hotlinks/hyperlinks in other programs (eg. GEMS).

CORE CUTTING AND SAMPLING

Foot, hearing, and eye protection are mandatory.

CUTTING

- Move core boxes into cutting room and place in in order in racks.
- Place three boxes of core onto the yellow table.
- Start saw (someone needs to write a procedure for start up and maintenance of the units – in addition to the manual).
- Align core in cutting tray with red/blue line up, cut, and replace back into core box.
- Cut several boxes of core.

SAMPLING

Write SampleID on poly bags in advance; use the SampleID exactly as it is on the tag (eg. W057001 not 57001).

Match tags number to the bag number.

Tear two small tags with barcode from the sample tag in the box and place both in the bag; a large tag stays stapled in the box.

Put the far half of the core into the bag – break longer pieces to fit; break core over the floor, not over the other core boxes.

Standards - Tag will say OREAS 214, OREAS 251 or CDN-GS-P1A

- Collect regular sample using the first tag.
- Place two small tags into a bag and add the foil bag for the appropriate standard into the bag; wipe off the OREAS label.

Blanks – Tag will say Blank or FB

- Collect regular sample using the first tag.
- Place two small tags into a bag and add the poly bag with the white stone into the bag as is; wipe off the OREAS label.

Field Duplicate

- Tag will say FD or FDU or Field Duplicate; there should be a blue ribbon wrapped around the core at the start of the sample.
- Cut far half of core into two quarters.
- Place the first tag in the first bag, and make one sample from the first quarter portion.
- Place the second tag into the next bag and make the other sample from the second quarter portion.
- Wrap the blue ribbon around the half core that stays in the box.

Coarse Duplicate

- Tag will say CD or CDU or Coarse Duplicate; there should be an orange ribbon wrapped around the core at the start of the sample.
- Place the first tag into the bag and collect a regular sample from the far side of the core.
- Place the second tag into a bag and then seal the empty bag.

SAMPLE SHIPPING

FILLING SHIPPING BAGS

- Cut and bagged samples are placed in order in a line.
- Label a white fibre bag with MGM-Douay, SampleFrom-SampleTo, and Bag of XX.
- Load approximately six samples into a white fibre bag – do not overfill or make heavy bags.
- Seal with a plastic locking strap.
- Affix a red SecurTag .
- Record information on the form on the clipboard.
- Move filled fibre bags into a secure/restricted area, such as the logging room, until they can be transported.

PREPARING THE SHIPMENT FORM

- Use the ALS sample submittal form at H:\1 Exploration\Analytical\Forms\General Sample Submittal Form.pdf.
- The contract is H:\1 Exploration\Analytical\Contracts\ ALSM-CE19-1011034-VISAU-R1 - Maple Gold Mines Ltd.pdf.
- Prepare the sample submittal form.
- Email the submittal form and a complete sample list with requested procedures to Richard Deschambault with copies to Fred Speidel and Even Stavre.
- Call the delivery company or deliver samples to ALS in Val d'Or.
- MGM's client service representative is Richard Deschambault:
Richard.Deschambault@alsglobal.com, +1-819-825-0178 Ext. 23
- Invoice, Certificates, Datafiles are sent to Fred Speidel (fspeidel@maplegoldmines.com)
- Datafiles (request CSV and XLS with QAQC), certificate, and QAQC Certificate are sent to Vivian Park (vpark@maplegoldmines.com)

CHECKLIST

Spot collar location and set sights

Re-spot collar location and sights once pad has been prepared

Align drill

Downhole survey every 30 m as hole being drilled

Collar location survey

Place and photograph drillhole marker

Check block markers in coreboxes for position and proper numbering

Measure and mark start and end of coreboxes

Record box inventory

Prepare and affix metal tag to coreboxes (we send spreadsheet to Service Exploration) when tags received

Assemble core into a continuous tube according to scribe line (if oriented) or best fit

Mark 1-meter intervals along core using white marker

Geotechnical log - recovery, RQD, and fracture count (geologist!!)

Measure MPP at 0.5 m intervals

XRF, SCIP, SG at every 6 m

Geological log – lithology, alteration, mineralization, general structure, oriented structure

Mark samples

Write tags

Cut and bag samples

Ship samples

Update corebox inventory map

Drill inspections

- Pictures of the spotted hole should be taken showing the state of the site prior to drilling. They should be saved 'here on the server' with 'this naming convention'.
- When drilling is ongoing, the drill should be inspected daily by a geologist. A drill inspection form should be filled, which can be found 'here in the server'. It should be scanned and saved with 'this file name' and 'in this part of the server'. When necessary, photos should accompany this inspection. Ideally, the foreman is present for this inspection and must sign the form when finished (if the foreman is not present, the driller should complete the inspection).
- Once drilling is finished and the site has been emptied, the site must be inspected for any garbage, oil, diesel, or any other objects or contaminants left behind. The inspection form is located on server. It should be scanned and saved on server in a folder with a corresponding drillhole number, accompanied by photos.

GEOTIC LOG

The following tasks must be completed in real time – that is, as they happen, or shortly after....not days later, minutes or hours later.

LEARNING ABOUT A HOLE

1. Consult the InformationProposal table for the details.

SPOTTING A HOLE

Once the hole has been spotted, update the information for the hole on the Projects tabs.

1. Change the Attribute to Implanté (Projects>DDH>Attribute [picklist])
2. Enter the Spotted coordinates and setup information (Projects>Coordinates>Spotted [type])

STARTING A HOLE

Once the hole has started, update the information on the Projects tabs.

1. Change the Attribute to En forage (Projects>DDH>Attribute [picklist]).
2. Change the State to Drilling (Projects>DDH>State [picklist]).
3. Type in the HoleID ((Projects>DDH>Name [type])).
4. Update the Contractor (Projects>InformationDrilling>DrillCo [picklist]).
5. Update the RigID (Projects>InformationDrilling>DrillID [picklist]).
6. Update the start date (Projects>InformationDrilling>DrillStart [calendar]).
7. Enter any comments about the drilling, setup, troubles etc.
((Projects>InformationDrilling>Comments [type])).
8. Update the year ((Projects>InformationOther>Year [type])).

FINISHING A HOLE

1. Update the Attribute to Foré.
2. Update the end date (Projects>InformationDrilling>DrillEnd [calendar]).
3. Update the final length of the hole.
4. Enter any comments about the drilling, setup, troubles, anything left in the hole, etc.
((Projects>InformationDrilling>Comments [type])).
5. Update the Casing flag.
6. Update the collar coordinates.

LOGGING A HOLE

1. Update the Logged flag.
2. Update the LoggedBy.
3. Update the end of logging.

APPENDIX 11: SUMMARIES BY CLAIM FOR 2019 DRILLING

Table i: Count of 2019 drillhole collars by claim

Claim ID	Count	Claim ID	Count	Claim ID	Count
1133159	2	1133187	1	1133208	1
1133184	1	1133188	1	1133209	1
1133185	1	1133206	1	1133226	1
1133186	3	1133207	2	Total	15

Table ii: List of 2019 drillhole collars by claim

Claim ID	Hole ID	Claim ID	Hole ID	Claim ID	Hole ID
1133206	DO-19-105X	1133159	DO-19-259	1133184	DO-19-264
1133226	DO-19-255	1133185	DO-19-260	1133186	DO-19-265
1133208	DO-19-256	1133159	DO-19-261	1133207	DO-19-266
1133207	DO-19-257	1133188	DO-19-262	1133186	DO-19-267
1133209	DO-19-258	1133186	DO-19-263	1133187	DO-19-268

Table iii: Count of samples by type by claim

Claim ID	All*	Regular	Standard	Field Blanks	Field Duplicate	Coarse Duplicate
1133159	725	677	19	14	8	7
1133184	696	651	17	14	7	7
1133185	602	563	15	12	6	6
1133186	953	890	23	20	10	10
1133187	331	309	9	7	3	3
1133188	369	346	7	8	4	4
1133206	123	115	2	3	1	2
1133207	1,316	1,230	33	26	13	14
1133208	160	150	4	3	2	1
1133209	322	301	8	6	3	4
1133226	347	325	8	7	4	3
Total	5,944	5,557	145	120	61	61

*Samples sent for analysis

Table iv: Count of SG, SCIP, MPP, and pXRF for 2019 drillholes by claim

NDX	Claim ID	SG	SCIP	MPP	pXRF
1	1133159	74	66	1,295	219
2	1133184	74	74	1,278	216
3	1133185	63	62	1,115	193
4	1133186	102	98	1,734	294
5	1133187	34	34	595	100
6	1133188	39	39	691	117

NDX	Claim ID	SG	SCIP	MPP	pXRF
7	1133206	13	13	229	39
8	1133207	139	138	2,456	413
9	1133208	25	17	292	51
10	1133209	34	34	604	104
11	1133226	53	53	636	94
Total		650	628	10,925	1,840

APPENDIX 12: SUMMARIES BY CLAIM FOR RE-LOGGING

Table A. Count of re-logged drillhole collars by claim (531 Zone)

Claim ID	Count
1133163	1
1133188	20
Total	21

Table B. List of re-logged drillhole collars by claim (531 Zone)

Claim ID	Hole ID	Claim ID	Hole ID
1133163	D-93-01	1133188	D-92-39
1133188	70531-0	1133188	D-92-39-1
1133188	70531-1	1133188	D-92-40
1133188	D-92-25	1133188	D-92-41
1133188	D-92-34A	1133188	D-92-44
1133188	D-92-34A-1	1133188	D-93-03
1133188	D-92-35	1133188	D-93-05
1133188	D-92-35-1	1133188	D-93-06
1133188	D-92-36	1133188	D-93-06-1
1133188	D-92-37	1133188	D-93-08
1133188	D-92-38		

Table C. Count of samples for re-logged drillholes by claim (531 Zone)

Claim ID	All*	Regular	Standard	Field Blanks	Field Duplicate	Coarse Duplicate
1133163						
1133188	134	125	4	2	3	-
Total	134	125	4	2	3	-

*The total includes 19 pending samples without assays received by December 31, 2019

Table D. Count of pXRF and MPP for re-logged drillholes by claim (531 Zone)

NDX	Claim ID	MPP	pXRF
1	1133163		180
2	1133188	587	871
Total		587	1,051

Assessment Report for the Douay Property 2019 Diamond Drilling and Core Re-logging Program

Douay Township, Quebec

Volume 3 of 6
Appendix 4: Diamond Drillhole Logs – Drilling 2019

Map sheets: NTS 32E09, 32E10
Latitude 49.51°N, Longitude 78.32°W
UTM NAD83 Zone 17: 5487450 N, 694100 E

For
Maple Gold Mines Ltd.
1111 West Hastings Street
Vancouver, British Columbia
V6E 2J3

Report Date: March 25, 2021

Drillhole Information

Easting: 704949.34
Northing: 5491401.74
Elevation: 286.44
Azimuth 360.00
Dip -45.00

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-81
DrillStart: 23-Apr-19
DrillEnd: 29-Apr-19
Length (m): 582.00

Logging Information

LogBy: C. Gagnier (OGQ #1068)
LogStart: 27-Apr-19
LogEnd: 29-Apr-19

Drillhole Summary

DO-19-105X is the extension of DO-12-105 (2-Mar-12). 105 and 105X have been combined into one hole, DO-19-105X, and DO-12-105 has been retired.

The collar coordinate is that of DO-12-105.

The downhole survey was of the entire drillhole using a Reflex EZ-Gyro while retreating from the hole (based on the time stamps of the measurements. The distances recorded in the download file are the actual distances. For the original measurements, refer to Journaux 2012.pdf, the logs for 2012.

l'interval qui a donné des valeurs en or est une basalte injecté de syenite, tres fracturé, tres magnetique par endroit, pyrite dans les fractures, de 450,5 a 466,0m (0,11 a 0,30g/t)

Ce trou est le prolongement de DO-12-105 arrêté à 468m (et donnant pour la dernière analyse de 466.5m à 468m une valeur de 21.1 g/t).

Résumé:

Forage DO-19-105X, zone Nika Azimut: 360 degrés, plongée: -45 degrés. Longueur planifiée : 600m. Longueur finale: 582m (de 468 à 582m). Section : 705000E.

Cible : vérifier l'extension en profondeur de la zone soulignée par la dernière analyse du trou DO-12-105 (ayant donné 21.1 g/t sur 1.5m). Ceci a été fait en prolongeant le trou DO-12-105 arrêté à 468m.

Résultats : De 468 m à 495m, nous avons traversé un basalte mélangé à 40% d'injections de syénite, le tout minéralisé avec 2% de pyrite et des traces de chalcopryrite (belle minéralisation). Par la suite et jusqu'à 512.4m, une syénite faiblement minéralisée (0.5% pyrite) a été observée pour finalement retomber dans un basalte injecté par 30% de syénite. De 520m à 582m, nous avons eu une minéralisation faible et irrégulière (0.3% pyrite).

Faillie observée de 511.8 à 514m (zone très fracturée).

Interprétation : Lors résultats obtenus semblent être des plus positifs. En effet, une zone minéralisée relativement épaisse et située dans un intervalle faillé, bréchifié et cisailé a été traversée immédiatement à la suite d'un résultat d'analyse élevé (21.1 g/t). L'altération accompagnant la minéralisation (calcification) est aussi encourageante.

Results:

467.5 - 508 m: 1.055 ppm Au/40.5 m

Comment from F. Speidel:

"You may have noticed that DO-12-105 ends at 467.5 in the existing database, but DO-19-105X starts at 468m. That's because the final wood block in the 2012 hole, in box 104, is marked as 468m, even though the aluminum tag on that box is marked as 463.4-467.5m. So I went back to box 101 to see if the wood blocks matched aluminium tags at any point, and the answer is they don't, the blocks are always indicating 0.5-0.6m too high from that point on. There are three sets of sample tags, the originals, one for quarter coring and the later pXRF tags. pXRF tags match wooden blocks, but original and quarter coring tags match the aluminum tags.

Original hole DO-12-105 (0 - 467.5 m)

Claim 1133206, Section 704950, Forage Val d'Or

Dernier echantillon a donné 21gram par tonne, (N109530); donc 2 echantillon (quart carotte) etait pris sur linterval (N109861 de 466m à 466.75m et N109862 de 466.75m à 467.5m)
Note 2019: These samples are indicated in the core boxes as having been collected in 2016 during relogging, and the core was quartered; however, there are no results from 2016 or 2017 that have this sample number; these same numbers are attributed to another hole.

Revu par Nabil Tarbouche (K)

Ce trou intersecte essentiellement de la syenite

So given the coincidence of original logs, original survey eoh per the log, aluminum tags on boxes and sample tags stapled in boxes, I conclude that the hole ended at 467.5m, and that the position of the wooden blocks (perhaps not the originals) and pXRF tags got screwed up by whoever did that work, and that the final (quarter core left) 21.1 g/t Au sample was indeed 1.5m long. That means that the Geotilog data for the extension will need to be adjusted to reflect the fact that the extension started at 467.5, not 468m."

Rather than adjust every record 0.5 m for an assumption, the first record has simply been adjusted to start at 267.5 m instead of 268 m. This will not make any appreciable difference.



C. Gagnier (OGQ #1068)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	36.50	M-T Mort terrain Mort terrain							
353.00	383.00	PY Pyrite De 353 à 468m, traces à 1% disséminée, jusqu'à 2% en amas dans les zones décimétriques silicifiées et hématisées. 353.00 383.00 353.00 354.50 N109450 1.50 -0.005 0.00 354.50							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
36.50	84.50	I2D Syénite From original 2012 log, in file Journaux 2012.pdf: 36.5 - 84.3 m I2D HS; FO Syénite à spécularite; Folié Grise et orangé à ocre rougeâtre, parfois verdâtre. Fortement foliée à 40-60ac sur toute sa longueur. Composée de rubans parfois plissés et moco-plissés de spécularite, feldspath alcalin, hématite, épidote et pyrite en alternance de 1 à 10 mm d'épaisseur, parfois boudinés et faiblement injecté de veinules de carbonates-fluorite dans des directions aléatoires. Bréchiqque par zones centimétriques. Hématisation forte, épidotisation faible. Faiblement à moyennement injecté de veinules de chlorite aléatoires à partir de 52m. Traces à 3% de pyrite fine disséminée et en rubans millimétriques concordante à la foliation.	36.50	38.00	0.00	N109224	0.0025	0	
			38.00	39.50	0.00	N109225	0.0025	0	
			39.50	41.00	0.00	N109226	0.0025	0	
			41.00	42.50	0.00	N109227	0.0025	0	
			42.50	44.00	0.00	N109228	0.0025	0	
			44.00	45.50	0.00	N109229	0.0025	0	
			45.50	47.00	0.00	N109231	0.0050	0	
			47.00	48.50	0.00	N109232	0.0070	0	
			48.50	50.00	0.00	N109233	0.0100	0	
			50.00	51.50	0.00	N109234	0.0060	0	
			51.50	53.00	0.00	N109235	0.0025	0	
			53.00	54.50	0.00	N109236	0.0100	0	
			54.50	56.00	0.00	N109237	0.0060	0	
			56.00	57.50	0.00	N109238	0.0025	0	
			57.50	59.00	0.00	N109239	0.0025	0	
			59.00	60.50	0.00	N109240	0.0060	0	
			60.50	62.00	0.00	N109241	0.0100	0	
36.50	73.50	PY01 Pyrite 1% Traces à 2% de pyrite fine disséminée et en rubans millimétriques concordante à la foliation, jusqu'à 3% dans des	62.00	63.50	0.00	N109242	0.0100	0	
			63.50	65.00	0.00	N109243	0.0025	0	
			65.00	66.50	0.00	N109244	0.0050	0	

zones centimétriques fortement foliées.

66.50	68.00	0.00	N109246	0.0500	0
68.00	69.50	0.00	N109247	0.0025	0
69.50	71.00	0.00	N109248	0.0200	0
71.00	72.50	0.00	N109249	0.0200	0
72.50	74.00	0.00	N109250	0.0100	0
74.00	75.50	0.00	N109251	0.0080	0
75.50	77.00	0.00	N109252	0.0200	0
77.00	78.50	0.00	N109253	0.0025	0
78.50	80.00	0.00	N109254	0.0025	0
80.00	81.50	0.00	N109255	0.0025	0
81.50	83.00	0.00	N109256	0.0100	0
83.00	84.50	0.00	N109257	0.0025	0

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
84.50	93.00	I2D Syénite; Bréchiq From original 2012 log, in file Journaux 2012.pdf: 84.3 - 93.7 m: BX I2D Brèche syénitique 60° Brèche syénitique beige à rougeâtre à grisâtre à noire, broyée et fracturée à 80%, cisailée à 60ac avec 20-30% de chlorite noire entre les fragments de syénite. La zone de faille se situe plus précisément entre 89 et 91.5m. De traces à 2% de pyrite fine, disséminée et en veinules aléatoires avec la chlorite dans les zones bréchifiées et jusqu'à 3% en veinules concordantes dans les zones foliées et microplissées.	84.50	86.00	0.00	N109258	0.0025	0	
			86.00	87.50	0.00	N109259	0.0025	0	
			87.50	89.00	0.00	N109261	0.0025	0	
			89.00	90.50	0.00	N109262	0.0100	0	
			90.50	92.00	0.00	N109263	0.0800	0	
			92.00	93.50	0.00	N109264	0.0200	0	

84.30	93.70	PY01 Pyrite 1% De traces à 2% de pyrite fine, disséminée et en veinules aléatoires avec la chlorite dans les zones bréchifiées et jusqu'à 3% en veinules concordantes dans les zones foliées et microplissées.
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From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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93.00	238.50	I2D	93.50	95.00	0.00	N109265	0.0025	0
		Syénite; Homogène	95.00	96.50	0.00	N109266	0.0090	0
		From original 2012 log, in file Journaux 2012.pdf:	96.50	98.00	0.00	N109267	0.0200	0
		93.7 - 238.60 m:	98.00	99.50	0.00	N109268	0.0100	0
		I2D HS	99.50	101.00	0.00	N109269	0.0200	0
		Syénite à spéularite 65°	101.00	102.50	0.00	N109270	0.0100	0
		Orangé à ocre rougeâtre.	102.50	104.00	0.00	N109271	0.0300	0
		Massive et légèrement foliée à 60ac dans sa partie supérieure.	104.00	105.50	0.00	N109272	0.0200	0
		Moyennement injectée de veinules de spéularite de 1 à 5 mm d'épaisseur,	105.50	107.00	0.00	N109273	0.0070	0
		souvent cristalline et d'amas de max 5mm.	107.00	108.50	0.00	N109274	0.0200	0
		Hématisation forte à intense, injections de veinules de directions aléatoires et	108.50	110.00	0.00	N109276	0.0025	0
		altération en carbonates-fluorite moyenne à forte.	110.00	111.50	0.00	N109277	0.0100	0
		Séricitisation, silicification et épidotisation moyennes par zones	111.50	113.00	0.00	N109278	0.0300	0
		centimétriques.	113.00	114.50	0.00	N109279	0.0100	0
		Traces à 1% de pyrite fine disséminée, en amas et en veinules associée aux	114.50	116.00	0.00	N109280	0.0200	0
		veinules de spéularite et de carbonates-fluorite.	116.00	117.50	0.00	N109281	0.0025	0
		Contact supérieur graduel. Contact inférieur avec changement graduel entre	117.50	119.00	0.00	N109282	0.0025	0
		hématisation forte et faible et inversement silicification-séricitisation faible à	119.00	120.50	0.00	N109283	0.0025	0
		moyenne.	120.50	122.00	0.00	N109284	0.0025	0
93.70	238.50	PY	122.00	123.50	0.00	N109285	0.0060	0
		Pyrite	123.50	125.00	0.00	N109286	0.0025	0
		Traces à 1% de pyrite fine disséminée, en amas et en veinules	125.00	126.50	0.00	N109287	0.0100	0
		associée aux veinules de spéularite et de carbonates-fluorite.	126.50	128.00	0.00	N109288	0.0025	0
			128.00	129.50	0.00	N109289	0.0200	0
			129.50	131.00	0.00	N109291	0.0100	0
			131.00	132.50	0.00	N109292	0.0025	0
			132.50	134.00	0.00	N109293	0.0025	0
			134.00	135.50	0.00	N109294	0.0100	0
			135.50	137.00	0.00	N109295	0.0025	0
			137.00	138.50	0.00	N109296	0.0025	0
			138.50	140.00	0.00	N109297	0.0200	0
			140.00	141.50	0.00	N109298	0.0100	0
			141.50	143.00	0.00	N109299	0.0400	0
			143.00	144.50	0.00	N109300	0.0200	0
			144.50	146.00	0.00	N109301	0.0025	0
			146.00	147.50	0.00	N109302	0.0025	0
			147.50	149.00	0.00	N109303	0.0025	0
			149.00	150.50	0.00	N109304	0.0025	0

150.50	152.00	0.00	N109306	0.0025	0
152.00	153.50	0.00	N109307	0.0070	0
153.50	155.00	0.00	N109308	0.0100	0
155.00	156.50	0.00	N109309	0.0025	0
156.50	158.00	0.00	N109310	0.0025	0
158.00	159.50	0.00	N109311	0.0600	0
159.50	161.00	0.00	N109312	0.0050	0
161.00	162.50	0.00	N109313	0.0200	0
162.50	164.00	0.00	N109314	0.0100	0
164.00	165.50	0.00	N109315	0.0300	0
165.50	167.00	0.00	N109316	0.0025	0
167.00	168.50	0.00	N109317	0.0025	0
168.50	170.00	0.00	N109318	0.0200	0
170.00	171.50	0.00	N109319	0.0025	0
171.50	173.00	0.00	N109321	0.0090	0
173.00	174.50	0.00	N109322	0.0025	0
174.50	176.00	0.00	N109323	0.0100	0
176.00	177.50	0.00	N109324	0.0025	0
177.50	179.00	0.00	N109325	0.0025	0
179.00	180.50	0.00	N109326	0.0100	0
180.50	182.00	0.00	N109327	0.0400	0
182.00	183.50	0.00	N109328	0.0025	0
183.50	185.00	0.00	N109329	0.0025	0
185.00	186.50	0.00	N109330	0.0025	0
186.50	188.00	0.00	N109331	0.0025	0
188.00	189.50	0.00	N109332	0.0025	0
189.50	191.00	0.00	N109333	0.0025	0
191.00	192.50	0.00	N109334	0.0100	0
192.50	194.00	0.00	N109336	0.0025	0
194.00	195.50	0.00	N109337	0.0100	0
195.50	197.00	0.00	N109338	0.0025	0
197.00	198.50	0.00	N109339	0.0025	0
198.50	200.00	0.00	N109340	0.0025	0
200.00	201.50	0.00	N109341	0.0025	0
201.50	203.00	0.00	N109342	0.0025	0
203.00	204.50	0.00	N109343	0.0025	0
204.50	206.00	0.00	N109344	0.0025	0
206.00	207.50	0.00	N109345	0.0025	0

207.50	209.00	0.00	N109346	0.0025	0
209.00	210.50	0.00	N109347	0.0025	0
210.50	212.00	0.00	N109348	0.0025	0
212.00	213.50	0.00	N109349	0.0025	0
213.50	215.00	0.00	N109351	0.0025	0
215.00	216.50	0.00	N109352	0.0025	0
216.50	218.00	0.00	N109353	0.0025	0
218.00	219.50	0.00	N109354	0.0025	0
219.50	221.00	0.00	N109355	0.0025	0
221.00	222.50	0.00	N109356	0.0025	0
222.50	224.00	0.00	N109357	0.0060	0
224.00	225.50	0.00	N109358	0.0025	0
225.50	227.00	0.00	N109359	0.0025	0
227.00	228.50	0.00	N109360	0.0025	0
228.50	230.00	0.00	N109361	0.0025	0
230.00	231.50	0.00	N109362	0.0025	0
231.50	233.00	0.00	N109364	0.0025	0
233.00	234.50	0.00	N109365	0.0025	0
234.50	236.00	0.00	N109366	0.0025	0
236.00	237.50	0.00	N109367	0.0025	0
237.50	239.00	0.00	N109368	0.0200	0

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
238.50	259.00	I2D	239.00	240.50	0.00	N109369	0.0025	0	
		Syénite	240.50	242.00	0.00	N109370	0.0090	0	
		From original 2012 log, in file Journaux 2012.pdf:	242.00	243.50	0.00	N109371	0.0025	0	
		238.60 - 278.0 m:	243.50	245.00	0.00	N109372	0.0025	0	
		I2D FK	245.00	246.50	0.00	N109373	0.0025	0	
		Syénite à phénocristaux de feldspath 50°	246.50	248.00	0.00	N109374	0.0025	0	
		Beige à grisâtre à légèrement orangée à verdâtre.	248.00	249.50	0.00	N109375	0.0025	0	
		Changement graduel à partir du contact supérieur entre grenue (plus de 90% de phénocristaux) à porphyrique (40-60% de phénocristaux) en même temps que l'hématisation passe de moyenne à très légère et la silicification-	249.50	251.00	0.00	N109376	0.0025	0	
		séricitisation de moyenne à forte, accompagnée d'une faible injection et	251.00	252.50	0.00	N109377	0.0025	0	
		altération en carbonates-fluorite et d'une faible épidotisation.	252.50	254.00	0.00	N109379	0.0025	0	
		Rares traces de pyrite.	254.00	255.50	0.00	N109380	0.0025	0	
		Contact supérieur diffus.	255.50	257.00	0.00	N109381	0.0025	0	
			257.00	258.50	0.00	N109382	0.0025	0	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
259.00	278.00	I2D	258.50	260.00	0.00	N109383	0.0025	0	
		Syénite; Porphyrique	260.00	261.50	0.00	N109384	0.0025	0	
		From original 2012 log, in file Journaux 2012.pdf:	261.50	263.00	0.00	N109385	0.0025	0	
		238.60 - 278.0 m:	263.00	264.50	0.00	N109386	0.0025	0	
		I2D FK	264.50	266.00	0.00	N109387	0.0025	0	
		Syénite à phénocristaux de feldspath 50°	266.00	267.50	0.00	N109388	0.0025	0	
		Beige à grisâtre à légèrement orangée à verdâtre.	267.50	269.00	0.00	N109389	0.0025	0	
		Changement graduel à partir du contact supérieur entre grenue (plus de 90% de phénocristaux) à porphyrique (40-60% de phénocristaux) en même temps que l'hématisation passe de moyenne à très légère et la silicification-séricitisation de moyenne à forte, accompagnée d'une faible injection et altération en carbonates-fluorite et d'une faible épidotisation.	269.00	270.50	0.00	N109390	0.0025	0	
			270.50	272.00	0.00	N109391	0.0025	0	
			272.00	273.50	0.00	N109392	0.0025	0	
			273.50	275.00	0.00	N109393	0.0025	0	
		Rares traces de pyrite.	275.00	276.50	0.00	N109395	0.0060	0	
		Contact supérieur diffus.	276.50	278.00	0.00	N109396	0.0200	0	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
278.00	343.50	I2D	278.00	279.50	0.00	N109397	0.0100	0	
		Syénite; Porphyrique; Phénocristique; Lattes	279.50	281.00	0.00	N109398	0.0090	0	
		From original 2012 log, in file Journaux 2012.pdf:	281.00	282.50	0.00	N109399	0.0100	0	
		278.0 - 343.67 m:	282.50	284.00	0.00	N109400	0.0100	0	
		I2D GM; PG	284.00	285.50	0.00	N109401	0.0200	0	
		Syénite Grenu 40°; Pegmatitique 40°	285.50	287.00	0.00	N109402	0.0200	0	
		Orangée à rougeâtre, légèrement verdâtre.	287.00	288.50	0.00	N109403	0.0800	0	
		Massive avec des cristaux de feldspath de 5 à 15mm de diamètre lui donnant un aspect pegmatitique.	288.50	290.00	0.00	N109404	0.0300	0	
		Recoupée de dykes décimétriques de syénite aplitique.	290.00	291.50	0.00	N109405	0.0200	0	
		Faiblement à moyennement altérée et injectée de veinules de carbonates-fluorite et moyennement altérée et injectée de veinules de chlorite-épidote.	291.50	293.00	0.00	N109406	0.0100	0	
		Hématisation et séricitisation fortes dans l'ensemble, silicification forte à moyenne.	293.00	294.50	0.00	N109407	0.0200	0	
			294.50	296.00	0.00	N109408	0.0100	0	
		Rares traces de pyrite, sauf les derniers 3m avant le contact inférieur,	296.00	297.50	0.00	N109409	0.0100	0	
		fortement silicifié, à grains fins et jusqu'à 5% de pyrite fine disséminée, en	297.50	299.00	0.00	N109410	0.0200	0	

		amas jusqu'à 20mm et en veinules jusqu'à 5mm.	299.00	300.50	0.00	N109411	0.0200	0
		Contact supérieur franc.	300.50	302.00	0.00	N109412	0.0200	0
280.36	281.47	I2D GT; MA	302.00	303.50	0.00	N109414	0.0080	0
		Syénite Aplitique 40°; Roche massive 40°	303.50	305.00	0.00	N109415	0.0070	0
		Dyke de couleur beige à verdâtre à jaunâtre, massif, fortement altéré en séricite et épidote, homogène, aucune trace de pyrite.	305.00	306.50	0.00	N109416	0.0600	0
		Contacts irréguliers	306.50	308.00	0.00	N109417	0.0500	0
			308.00	309.50	0.00	N109418	0.1100	0
286.36	289.75	I2D GT	309.50	311.00	0.00	N109419	0.0900	0
		Syénite Aplitique 40°	311.00	312.50	0.00	N109420	0.0100	0
		Dyke de couleur grisâtre à jaunâtre, avec 3-5% de phénocristaux de quartz, fortement silicifié et séricitisé et légèrement hématisé, homogène, avec rares traces de pyrite.	312.50	314.00	0.00	N109421	0.0025	0
		Contacts francs	314.00	315.50	0.00	N109422	0.0200	0
			315.50	317.00	0.00	N109423	0.0090	0
			317.00	318.50	0.00	N109424	0.0025	0
290.74	291.23	I2D GT	318.50	320.00	0.00	N109425	0.0025	0
		Syénite Aplitique 40°	320.00	321.50	0.00	N109426	0.0025	0
		Dyke de couleur rougeâtre à verdâtre, fortement épidotisé et moyennement hématisé, homogène, avec traces à 1% de pyrite fine disséminée.	321.50	323.00	0.00	N109427	0.0025	0
		Contacts francs	323.00	324.50	0.00	N109428	0.0025	0
			324.50	326.00	0.00	N109430	0.0025	0
291.68	292.00	I2D GT	326.00	327.50	0.00	N109431	0.0025	0
		Syénite Aplitique 40°	327.50	329.00	0.00	N109432	0.0100	0
		Dyke de couleur rougeâtre à verdâtre, fortement épidotisé et moyennement hématisé, homogène, avec traces de pyrite fine disséminée.	329.00	330.50	0.00	N109433	0.0100	0
		Contacts irréguliers	330.50	332.00	0.00	N109434	0.0025	0
			332.00	333.50	0.00	N109435	0.0100	0
305.00	311.27	I2D GT	333.50	335.00	0.00	N109436	0.0025	0
		Syénite Aplitique 40°	335.00	336.50	0.00	N109437	0.0060	0
		Dyke de couleur rougeâtre à légèrement verdâtre, avec 3-5% de phénocristaux de quartz, fortement hématisé et légèrement séricitisé et épidotisé, moyennement injecté de veinules aléatoires de quartz-carbonates-spécularite, avec rares traces de pyrite.	336.50	338.00	0.00	N109438	0.0025	0
		Contacts francs	338.00	339.50	0.00	N109439	0.0025	0
			339.50	341.00	0.00	N109440	0.0500	0
			341.00	342.50	0.00	N109441	0.0500	0
			342.50	344.00	0.00	N109442	0.0900	0
314.32	315.37	I2D GT						
		Syénite Aplitique 60°						
		Dyke de couleur rougeâtre à légèrement verdâtre, avec 3-5% de phénocristaux de quartz, fortement hématisé et légèrement séricitisé et épidotisé avec rares traces de pyrite.						
		Contacts francs						

315.70 315.90 I2D GT

Syénite Aplitique 40°

Dyke de couleur rougeâtre à verdâtre, fortement épidotisé et moyennement hématisé, homogène, avec aucune trace de pyrite.
Contacts francs

341.00 343.57 PY03

Pyrite 3%

Les derniers 3m avant le contact inférieur, fortement silicifié, à grains fins et jusqu'à 5% de pyrite fine disséminée, en amas jusqu'à 20mm et en veinules jusqu'à 5mm.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
343.50	411.00	V3B VN-I2D	344.00	345.50	0.00	N109443	0.0080	0	
		Basalte; Injecté de syénite; 20%	345.50	347.00	0.00	N109445	0.0025	0	
		From original 2012 log, in file Journaux 2012.pdf:	347.00	348.50	0.00	N109446	0.0025	0	
		343.67 - 467.50 m:	348.50	350.00	0.00	N109447	0.0025	0	
		I3A; BX	350.00	351.50	0.00	N109448	0.0025	0	
		Gabbro 40°; Brèche 40°	351.50	353.00	0.00	N109449	0.0025	0	
		Gabbro bréchique recoupé de dykes de syénite et de zones de brèches syénitiques métriques, de couleur noirâtre, violacée à rouge vin à vert foncé.	353.00	354.50	0.00	N109450	0.0025	0	
		Extrêmement altéré dans les parties bréchiques et fortement folié par zones métriques à 25-45ac.	354.50	356.00	0.00	N109451	0.0025	0	
		De 2 à 5% de pyrite, 5% à partir du contact supérieur descendant à 2% jusqu'à 353m. De 353 à 468m, traces à 1% disséminée, jusqu'à 2% en amas dans les zones décimétriques silicifiées et hématisées.	356.00	357.50	0.00	N109452	0.0025	0	
		Fortement injecté et altéré en carbonates-fluorite avec grande densité de veinules aléatoires et 10 à 30% de fragments de syénite. Fortement chloritisé dans l'ensemble et moyennement silicifié et hématisé par zones décimétriques.	357.50	359.00	0.00	N109453	0.0025	0	
		Contact supérieur franc.	359.00	360.50	0.00	N109454	0.0025	0	
			360.50	362.00	0.00	N109455	0.0025	0	
			362.00	363.50	0.00	N109456	0.0025	0	
			363.50	365.00	0.00	N109457	0.0025	0	
			365.00	366.50	0.00	N109458	0.0025	0	
			366.50	368.00	0.00	N109459	0.0025	0	
			368.00	369.50	0.00	N109460	0.0025	0	
			369.50	371.00	0.00	N109461	0.0025	0	
343.57	353.00	PY03	371.00	372.50	0.00	N109462	0.0070	0	
		Pyrite 3%	372.50	374.00	0.00	N109464	0.0025	0	
		De 2 à 5% de pyrite, 5% à partir du contact supérieur descendant à 2% jusqu'à 353m.	374.00	375.50	0.00	N109465	0.0600	0	
			375.50	377.00	0.00	N109466	0.0025	0	
			377.00	378.50	0.00	N109467	0.0025	0	

378.50	380.00	0.00	N109468	0.0025	0
380.00	381.50	0.00	N109469	0.0025	0
381.50	383.00	0.00	N109470	0.0050	0
383.00	384.50	0.00	N109471	0.0025	0
384.50	386.00	0.00	N109472	0.0025	0
386.00	387.50	0.00	N109473	0.0025	0
387.50	389.00	0.00	N109474	0.0025	0
389.00	390.50	0.00	N109475	0.0025	0
390.50	392.00	0.00	N109476	0.0025	0
392.00	393.50	0.00	N109477	0.0025	0
393.50	395.00	0.00	N109478	0.0025	0
395.00	396.50	0.00	N109480	0.0025	0
396.50	398.00	0.00	N109481	0.0025	0
398.00	399.50	0.00	N109482	0.0025	0
399.50	401.00	0.00	N109483	0.0025	0
401.00	402.50	0.00	N109484	0.0025	0
402.50	404.00	0.00	N109485	0.0025	0
404.00	405.50	0.00	N109486	0.0025	0
405.50	407.00	0.00	N109487	0.0025	0
407.00	408.50	0.00	N109488	0.0025	0
408.50	410.00	0.00	N109489	0.0025	0
410.00	411.50	0.00	N109490	0.0025	0

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
411.00	468.00	V3B I2D	411.50	413.00	0.00	N109491	0.0050	0	
		Basalte; Injecté de syénite; 40%	413.00	414.50	0.00	N109492	0.0400	0	
		From original 2012 log, in file Journaux 2012.pdf:	414.50	416.00	0.00	N109493	0.0060	0	
		343.67 - 467.50 m:	416.00	417.50	0.00	N109495	0.0025	0	
		I3A; BX	417.50	419.00	0.00	N109496	0.0025	0	
		Gabbro 40°; Brèche 40°	419.00	420.50	0.00	N109497	0.0050	0	
		Gabbro bréchique recoupé de dykes de syénite et de zones de brèches	420.50	422.00	0.00	N109498	0.0025	0	
		syénitiques métriques, de couleur noirâtre, violacée à rouge vin à vert foncé.	422.00	423.50	0.00	N109499	0.0025	0	
		Extrêmement altéré dans les parties bréchiques et fortement folié par zones	423.50	425.00	0.00	N109500	0.0025	0	
		métriques à 25-45ac.	425.00	426.50	0.00	N109501	0.0025	0	
		De 2 à 5% de pyrite, 5% à partir du contact supérieur descendant à 2% jusqu'à	426.50	428.00	0.00	N109502	0.0080	0	
		353m. De 353 à 468m, traces à 1% disséminée, jusqu'à 2% en amas dans les	428.00	429.50	0.00	N109503	0.0060	0	
		zones décimétriques silicifiées et hématisées.	429.50	431.00	0.00	N109504	0.0090	0	
		Fortement injecté et altéré en carbonates-fluorite avec grande densité de	431.00	432.50	0.00	N109505	0.0100	0	
		veinules aléatoires et 10 à 30% de fragments de syénite. Fortement chloritisé							
		dans l'ensemble et moyennement silicifié et hématisé par zones							

décimétriques.
Contact supérieur franc.

432.50	434.00	0.00	N109506	0.0090	0
434.00	435.50	0.00	N109507	0.0090	0
435.50	437.00	0.00	N109508	0.0060	0
437.00	438.50	0.00	N109509	0.0050	0
438.50	440.00	0.00	N109510	0.0025	0
440.00	441.50	0.00	N109511	0.0025	0
441.50	443.00	0.00	N109512	0.0025	0
443.00	444.50	0.00	N109513	0.0025	0
444.50	446.00	0.00	N109515	0.0025	0
446.00	447.50	0.00	N109516	0.0080	0
447.50	449.00	0.00	N109517	0.0100	0
449.00	450.50	0.00	N109518	0.0400	0
450.50	452.00	0.00	N109519	0.1100	0
452.00	453.50	0.00	N109520	0.1000	0
453.50	455.00	0.00	N109521	0.0300	0
455.00	456.50	0.00	N109522	0.0050	0
456.50	458.00	0.00	N109523	0.0400	0
458.00	459.50	0.00	N109524	0.0200	0
459.50	461.00	0.00	N109525	0.4800	0
461.00	462.50	0.00	N109526	0.0025	0
462.50	464.00	0.00	N109527	0.0100	0
464.00	465.00	0.00	N109528	0.1100	0
465.00	466.00	0.00	N109529	0.3000	0
466.00	467.50	0.00	N109530	21.1000	0

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
468.00	468.90	V3B I2D	467.50	468.00	0.00	DO-19-105X	0.0000		
		Basalte avec 25 à 50% de syénite	468.00	468.90	0.00	A0101664	0.3880	Au-ICP21	VO19115620
		Basalte (vert) avec 40% d'injections de syénite (rouge) à demi digérées mais montrant parfois des phénocristaux de feldspaths. L'unité est relativement homogène et à grain fin. Traces de pyrite fine surtout localisée le long de veinules millimétriques de carbonates et d'hématite. Localement fortement magnétique (par endroits; présence de magnétite). Contact inférieur net à 50 degrés.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
468.90	495.00	V3B I2D	468.90	470.00	0.00	A0101665	0.5000	Au-ICP21	VO19115620
		Basalte avec 25 à 50% de syénite 50°	470.00	471.00	0.00	A0101666	0.4030	Au-ICP21	VO19115620
		Contact supérieur net à 50 degrés. Unité constituée d'un mélange hétéroclite de 60% de basalte ? et 40% syénite. Multicolore (rouge, brun, vert de tons variés, beige), localement fortement magnétique (magnétite en bandes centimétriques et aussi en cristaux sub-automorphes millimétriques). On observe des formes sub-automorphes octogonales de 0.5 à 2cm brunes foncées (grenat altéré ?) composées de biotite avec parfois un halo d'altération millimétrique de calcite couleur blanc crème. Omniprésence d'actinolite verte aciculaire ou automorphe avec des formes aussi octogonales. Des plaques de calcite atteignant jusqu'à 15cm de couleur blanc crème contiennent des inclusions d'actinolite, de magnétite automorphe (fréquemment avec coeurs de pyrite), de pyrite pseudomorphe de magnétite, de chalcopryrite automorphe (tetrahèdres), de feldspaths potassiques rouges. Minéralisé. Fortement chloritisé (des taches de chlorite donnent localement une apparence tigrée) et carbonatisé. Contact inférieur graduel sur 10cm.	471.00	472.00	0.00	A0101667	0.6010	Au-ICP21	VO19115620
			472.00	473.00	0.00	A0101668	0.3150	Au-ICP21	VO19115620
			473.00	474.00	0.00	A0101669	3.4500	Au-ICP21	VO19115620
			474.00	475.00	0.00	A0101670	0.1490	Au-ICP21	VO19115620
			475.00	476.00	0.00	A0101671	0.0220	Au-ICP21	VO19115620
			476.00	477.00	0.00	A0101672	0.2660	Au-ICP21	VO19115620
			477.00	478.00	0.00	A0101674	0.5150	Au-ICP21	VO19115620
			478.00	479.00	0.00	A0101675	0.0760	Au-ICP21	VO19115620
			479.00	480.00	0.00	A0101676	0.1400	Au-ICP21	VO19115620
			480.00	481.00	0.00	A0101677	1.8550	Au-ICP21	VO19115620
			481.00	482.00	0.00	A0101678	0.2360	Au-ICP21	VO19115620
			482.00	483.00	0.00	A0101679	0.0230	Au-ICP21	VO19115620
484.45	484.90	I4Q	483.00	484.00	0.00	A0101680	0.6210	Au-ICP21	VO19115620
		Carbonatite 65°	484.00	485.00	0.00	A0101681	0.2520	Au-ICP21	VO19115620
		Contacts nets à 55 degrés. Syénite essentiellement composée de feldspaths potassiques, porphyrique avec 10% de phénocristaux subautomorphes de 2-3mm de feldspaths blanc. Non magnétique, non calcifié. 5% de veinules de 1 à 5cm de quartz-carbonates orientées de 20 à 40 degrés. Faiblement minéralisé (1%).	485.00	486.00	0.00	A0101682	0.2030	Au-ICP21	VO19115620
			486.00	487.00	0.00	A0101683	0.4430	Au-ICP21	VO19115620
			487.00	488.00	0.00	A0101684	0.7400	Au-ICP21	VO19115620
			488.00	489.00	0.00	A0101685	0.1080	Au-ICP21	VO19115620
			489.00	490.00	0.00	A0101686	1.6900	Au-ICP21	VO19115620
468.00	495.00	CL; CB; EP; HM	490.00	491.00	0.00	A0101687	4.3300	Au-ICP21	VO19115620
		Chloritisation; Carbonatisation; Épidotisation; Hémathisation	491.00	492.00	0.00	A0101689	0.6750	Au-ICP21	VO19115620
		Chloritisation pénétrante et aussi en amas centimétriques. Fortement calcifié.	492.00	493.00	0.00	A0101690	0.5560	Au-ICP21	VO19115620
			493.00	494.00	0.00	A0101691	0.7020	Au-ICP21	VO19115620
468.90	498.00	PY02; CPtr	494.00	495.00	0.00	A0101692	0.8490	Au-ICP21	VO19115620
		Pvrite 2%: Chalcoovrite tr							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate

495.00	512.40	I2D		495.00	496.00	0.00	A0101693	4.3100	Au-ICP21	VO19115620
		Syénite 30°		496.00	497.00	0.00	A0101694	9.7400	Au-ICP21	VO19115620
		Contact supérieur graduel sur 10cm. Syénite rosée à grain fin, non porphyrique, composée essentiellement de feldspaths potassiques, Moins de 5% de fragments de basalte de taille variable. Faiblement minéralisé, fortement calcifié, localement fortement magnétique (présence de magnétite). Contact inférieur faillé et net à 50 degrés.		497.00	498.00	0.00	A0101695	0.1060	Au-ICP21	VO19115620
				498.00	499.00	0.00	A0101696	0.1440	Au-ICP21	VO19115620
				499.00	500.00	0.00	A0101697	0.1620	Au-ICP21	VO19115620
				500.00	501.00	0.00	A0101698	1.1650	Au-ICP21	VO19115620
				501.00	502.00	0.00	A0101699	0.3040	Au-ICP21	VO19115620
				502.00	503.00	0.00	A0101700	0.5970	Au-ICP21	VO19115620
495.00	512.40	HM; CB; SR		503.00	504.00	0.00	A0101701	0.1800	Au-ICP21	VO19115620
		Hématisation; Carbonatisation; Séricitisation		504.00	505.00	0.00	A0101702	1.0700	Au-ICP21	VO19115620
498.00	512.40	PY00.5		505.00	506.00	0.00	A0101703	1.5600	Au-ICP21	VO19115620
		Pyrite 0.5%		506.00	507.00	0.00	A0101705	1.2400	Au-ICP21	VO19115620
		De 0% à 2% pyrite disséminée et avec les veinules de carbonates.		507.00	508.00	0.00	A0101706	1.8450	Au-ICP21	VO19115620
508.30	508.50	CS	30	508.00	509.00	0.00	A0101707	0.0800	Au-ICP21	VO19115620
		Cisaillé(e) 30°		509.00	510.00	0.00	A0101708	0.0060	Au-ICP21	VO19115620
		Cisaillé avec lamines de séricite.		510.00	511.00	0.00	A0101709	0.0170	Au-ICP21	VO19115620
				511.00	512.00	0.00	A0101710	0.0170	Au-ICP21	VO19115620
				512.00	512.40	0.00	A0101711	0.0230	Au-ICP21	VO19115620

From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate
512.40	541.00	V3B I2D		512.40	513.00	0.00	A0101712	0.0150	Au-ICP21	VO19115620
		Basalte avec 25 à 50% de syénite 50°		513.00	514.00	0.00	A0101713	0.0120	Au-ICP21	VO19115620
		Contact supérieur net et faillé (fracturé) à 50 degrés. Lave mafique verte foncée, aphanitique, contenant 30% d'injections de syénite plus ou moins rougeâtres et non porphyriques. Les portions de basalte contiennent jusqu'à 10% de fragments millimétriques informes de chlorite verte. Localement magnétique. Fortement chloritisé et calcifié. Folié à 50 degrés. Contact inférieur graduel sur 1m.		514.00	515.00	0.00	A0101714	0.0040	Au-ICP21	VO19115620
				515.00	516.00	0.00	A0101715	0.0050	Au-ICP21	VO19115620
				516.00	517.00	0.00	A0101716	0.0030	Au-ICP21	VO19115620
				517.00	518.00	0.00	A0101717	0.0070	Au-ICP21	VO19115620
				518.00	519.00	0.00	A0101718	0.0050	Au-ICP21	VO19115620
				519.00	520.00	0.00	A0101719	0.0050	Au-ICP21	VO19115620
512.40	515.90	CL; CB; EP		520.00	521.00	0.00	A0101720	0.0310	Au-ICP21	VO19115620
		Chloritisation; Carbonatisation; Épidotisation		521.00	522.00	0.00	A0101722	0.0050	Au-ICP21	VO19115620
		Forte chloritisation pénétrante. Calcifié. Veinules d'épidote.		522.00	523.00	0.00	A0101723	0.0050	Au-ICP21	VO19115620
515.90	520.80	CL; EP		523.00	524.00	0.00	A0101724	0.0050	Au-ICP21	VO19115620
		Chloritisation; Épidotisation		524.00	525.00	0.00	A0101725	0.0070	Au-ICP21	VO19115620
520.80	541.00	CL; CB; HM; EP; SR		525.00	526.00	0.00	A0101726	0.0390	Au-ICP21	VO19115620
		Chloritisation; Carbonatisation; Hématisation; Épidotisation; Séricitisation		526.00	527.00	0.00	A0101727	0.0120	Au-ICP21	VO19115620
				527.00	528.00	0.00	A0101728	0.0070	Au-ICP21	VO19115620
				528.00	529.00	0.00	A0101729	0.0130	Au-ICP21	VO19115620
511.80	514.00	FJ	50	529.00	530.00	0.00	A0101730	0.0080	Au-ICP21	VO19115620

		Faille 50°			530.00	531.00	0.00	A0101731	0.0070	Au-ICP21	VO19115620
		Très fracturé avec cavités de dissolution.			531.00	532.00	0.00	A0101732	0.0050	Au-ICP21	VO19115620
520.80	520.90	CS	45		532.00	533.00	0.00	A0101733	0.0080	Au-ICP21	VO19115620
		Cisaillé(e) 45°			533.00	534.00	0.00	A0101734	0.0090	Au-ICP21	VO19115620
		Lamines de séricite et carbonates.			534.00	535.00	0.00	A0101735	0.0140	Au-ICP21	VO19115620
524.90	525.90	BX			535.00	536.00	0.00	A0101737	0.0050	Au-ICP21	VO19115620
		Bréchique			536.00	537.00	0.00	A0101738	0.0140	Au-ICP21	VO19115620
528.00	536.00	CS	50		537.00	538.00	0.00	A0101739	0.0070	Au-ICP21	VO19115620
		Cisaillé(e) 50°			538.00	539.00	0.00	A0101740	0.0040	Au-ICP21	VO19115620
		Multiplés intervalles faiblement cisaillé.			539.00	540.00	0.00	A0101741	0.0050	Au-ICP21	VO19115620
					540.00	541.00	0.00	A0101742	0.0040	Au-ICP21	VO19115620

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
541.00	582.00	I2D V3B	541.00	542.00	0.00	A0101743	0.0320	Au-ICP21	VO19115620
		Syénite avec 25 à 50% de basalte 50°	542.00	543.00	0.00	A0101744	0.0210	Au-ICP21	VO19115620
		Contact supérieur très graduel sur 1m. Mélange de 60% syénite rougeâtre, multiphasés, généralement non porphyrique et 40% basalte aphanitique verdâtre. Les contacts des injections de syénite sont habituellement graduels, flous, dû au fait que la syénite est à demi digérée par la lave (sauf de 568.7 à 570.4m: voir type 2). Foliation à 50 degrés formée par des lamines de carbonates, de chlorite et de gypse. Localement faiblement à moyennement magnétique. Carbonatisé. Faiblement minéralisé.	543.00	544.00	0.00	A0101745	0.0150	Au-ICP21	VO19115620
			544.00	545.00	0.00	A0101746	0.0070	Au-ICP21	VO19115620
			545.00	546.00	0.00	A0101747	0.0050	Au-ICP21	VO19115620
			546.00	547.00	0.00	A0101748	0.0070	Au-ICP21	VO19115620
			547.00	548.00	0.00	A0101749	0.0090	Au-ICP21	VO19115620
			548.00	549.00	0.00	A0101750	0.0080	Au-ICP21	VO19115620
		FIN DU TROU À 582m	549.00	550.00	0.00	A0101751	0.0120	Au-ICP21	VO19115620
568.70	570.40	I2D; PO	550.00	551.00	0.00	A0101753	0.0650	Au-ICP21	VO19115620
		Syénite 55°; Porphyrique	551.00	552.00	0.00	A0101754	0.0190	Au-ICP21	VO19115620
		Contacts nets à 55 degrés. Syénite essentiellement composée de feldspaths potassiques, porphyrique avec 10% de phénocristaux subautomorphes de 2-3mm de feldspaths blanc. Non magnétique, non calcifié. 5% de veinules de 1 à 5cm de quartz-carbonates orientées de 20 à 40 degrés. Faiblement minéralisé (1%).	552.00	553.00	0.00	A0101755	0.0410	Au-ICP21	VO19115620
			553.00	554.00	0.00	A0101756	0.0160	Au-ICP21	VO19115620
			554.00	555.00	0.00	A0101757	0.0070	Au-ICP21	VO19115620
			555.00	556.00	0.00	A0101758	0.0910	Au-ICP21	VO19115620
			556.00	557.00	0.00	A0101759	0.0170	Au-ICP21	VO19115620
541.00	582.00	HM; CL; CB	557.00	558.00	0.00	A0101760	0.0030	Au-ICP21	VO19115620
		Hématisation; Chloritisation; Carbonatisation	558.00	559.00	0.00	A0101761	0.0060	Au-ICP21	VO19115620
520.00	582.00	PY00.3	559.00	560.00	0.00	A0101762	0.0060	Au-ICP21	VO19115620
		Pyrite 0.3%	560.00	561.00	0.00	A0101763	0.0220	Au-ICP21	VO19115620
		Très hétérogène. Varie de 0% à 4%. La pyrite disséminée est située surtout dans les injections calcifiées de syénite, souvent avec des veinules de carbonates.	561.00	562.00	0.00	A0101764	0.0430	Au-ICP21	VO19115620
			562.00	563.00	0.00	A0101765	0.1340	Au-ICP21	VO19115620
			563.00	564.00	0.00	A0101766	0.0480	Au-ICP21	VO19115620
543.70	543.90	BX	564.00	565.00	0.00	A0101767	0.0150	Au-ICP21	VO19115620
			565.00	566.00	0.00	A0101768	0.0100	Au-ICP21	VO19115620

		Breccique									
560.85	560.90	FJ	50	566.00	567.00	0.00	A0101770	0.0040	Au-ICP21	VO19115620	
		Faille 50°		567.00	568.00	0.00	A0101771	0.0130	Au-ICP21	VO19115620	
		Sur une distance de 5cm: deux failles de moins de 1cm avec boue verte chloriteuse.		568.00	569.00	0.00	A0101772	0.0080	Au-ICP21	VO19115620	
				569.00	570.00	0.00	A0101773	0.0550	Au-ICP21	VO19115620	
560.90	582.00	CS	50	570.00	571.00	0.00	A0101774	0.0110	Au-ICP21	VO19115620	
		Cisaillé(e) 50°		571.00	572.00	0.00	A0101775	0.0060	Au-ICP21	VO19115620	
		Localement cisaillé avec lamines millimétriques de carbonates, chlorite et gypse.		572.00	573.00	0.00	A0101776	0.0180	Au-ICP21	VO19115620	
				573.00	574.00	0.00	A0101777	0.1280	Au-ICP21	VO19115620	
				574.00	575.00	0.00	A0101778	0.0120	Au-ICP21	VO19115620	
				575.00	576.00	0.00	A0101779	0.0440	Au-ICP21	VO19115620	
				576.00	577.00	0.00	A0101780	0.0880	Au-ICP21	VO19115620	
				577.00	578.00	0.00	A0101781	0.0070	Au-ICP21	VO19115620	
				578.00	579.00	0.00	A0101782	0.0090	Au-ICP21	VO19115620	
				579.00	580.00	0.00	A0101783	0.0050	Au-ICP21	VO19115620	
				580.00	581.00	0.00	A0101785	0.0030	Au-ICP21	VO19115620	
				581.00	582.00	0.00	A0101786	0.0170	Au-ICP21	VO19115620	

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	360.00	-45.00	Collar	12.00	357.71	-46.32	Reflex EZ-Gyro	42.00	0.19	-44.29	Reflex EZ-Gyro
72.00	0.58	-43.08	Reflex EZ-Gyro	102.00	1.09	-43.00	Reflex EZ-Gyro	132.00	2.22	-42.83	Reflex EZ-Gyro
162.00	2.99	-42.68	Reflex EZ-Gyro	192.00	4.26	-42.83	Reflex EZ-Gyro	222.00	3.27	-42.81	Reflex EZ-Gyro
252.00	4.91	-42.76	Reflex EZ-Gyro	282.00	5.05	-42.64	Reflex EZ-Gyro	312.00	5.95	-42.51	Reflex EZ-Gyro
342.00	6.68	-42.15	Reflex EZ-Gyro	372.00	6.74	-41.89	Reflex EZ-Gyro	402.00	6.76	-41.68	Reflex EZ-Gyro
432.00	7.85	-41.40	Reflex EZ-Gyro	462.00	7.92	-41.07	Reflex EZ-Gyro	492.00	8.44	-41.03	Reflex EZ-Gyro
522.00	8.56	-40.76	Reflex EZ-Gyro	552.00	8.45	-40.30	Reflex EZ-Gyro	558.00	5.84	-40.22	Reflex EZ-Gyro
582.00	7.41	-39.87	Reflex EZ-Gyro								

Drillhole Information

Easting: 705199.00
Northing: 5491708.00
Elevation: 285.00
Azimuth 358.30
Dip -51.50

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-81
DrillStart: 26-Mar-19
DrillEnd: 30-Mar-19
Length (m): 354.00

Logging Information

LogBy: M. Sokolov (OGQ #1491)
LogStart: 27-Mar-19
LogEnd: 03-Apr-19

Drillhole Summary

DO-19-255 drillhole is situated in Nika Zone with the collar location at 705200mE / 5491700mN, UTM coordinates, NAD83 Zone 17. It was drilled at an azimuth of 358.5° and inclination of minus 51.5° to a total length of 354 m.

The main objective:

The 2019 drillhole was designed to test the area located updip of the mineralized crackle breccia zone in syenite porphyry, which was intersected by the drillhole DO-18-218 at 297-347m and which returned 1.77 g/t over 50 m. Another mineralized zone was intersected in sheared tuffs with syenite injections at 409.8-429 m and gave 1.58 g/t over 19.2 m.

Hole Results:

After passing through 36.5 meters of overburden, the drillhole intersected:

- 1)a 300-meter long interval of medium-grained to porphyritic syenite which was contaminated by digestion of 15-35% magnetic basalt (36.5-336.45 m); and
- 2)a 17.5-meter interval composed of an intermediate to mafic tuff (?) with 30% lapilli- to block-size fragments (336.5-354.0 m).

A swarm of feldspar porphyry dykes crosscuts syenite from 170.5 to 248.5 m. The contacts are rather distinct, often at 50 degrees to the core axis. The porphyry is composed of 20-40% medium-size, white plagioclase grains enclosed by a finer-grained, carbonatized groundmass. These dykes are a few decimeters in length, non-magnetic, relatively non-deformed and contain minimal mineralization as trace to 0.5-1% pyrite as fine disseminated grains and aggregates in fractures.

36.5-68.5 m (32m) Medium-grained, in parts porphyritic, hematite-altered syenite contaminated by 15% fine-grained, magnetic basalt. The rock is moderately to strongly fractured, with localized crackle breccia and small shear zones. The interval is mineralized by traces to 1-3% fine pyrite as disseminated grains and fine-grained aggregates in fractures. A notable interval occurs at 45.6-52.8m, mineralized by 3-7% pyrite.

68.5-103.5 m (35m) Medium-grained to porphyritic, hematite-altered syenite contaminated by a higher percentage (35%) of fine-grained, chloritized, magnetic basalt. Pyrite varies from traces to 1%, reaching 1-3% in bleached and fractures zones.

103.5-118.0 m (14.5m) A brittle-ductile deformation zone in syenite mixed with ~20% basalt. The most intense deformation occurs at 105-109.2m. There are several fault breccia intervals, 3-5 cm wide, at 25 degrees to the core axis. Fault damage zone is sheared at 25 to 50 degrees, strongly fractured and often brecciated. Silicified and sericite-altered brecciated intervals carry 2 to 5% fine pyrite, whereas the rest of the zone contains traces to 1-2% pyrite.

118.0-140.0 m (22.5m) Medium to fine-grained syenite with less than 15% fragments of basalt, both moderately bleached, patchy carbonatized, hematite-altered and non-magnetic. The interval is rather deformed but less intensely as the shear zone above. Specularite and minor fluorite fill in some fractures. The interval is mineralized by traces to 1% fine pyrite with a higher percentage (2-3%) in localized crackle breccia.

140.0-212.6 m (72.6m) A mix of fine to medium-grained and locally porphyritic syenite and 25-45% fine-grained, chloritized, magnetic basalt. The interval has a heterogeneous appearance; it is variably chloritized, hematitized, carbonatized, and in places bleached. Traces to 1-2% pyrite as fine to medium-size grains in fractures, some calcite veinlets and disseminated. Bleached and brecciated intervals contain higher amounts of pyrite. Such notable intervals occur at 162.35-164.3m, 175.55-176.2m, and 178.2-182.65m, mineralized by 1 to 5% pyrite. At 186.1-189.0m – 1-3% fine pyrite in sheeted calcite veins and fractures. Another notable interval occurs at 200.6-212.6m; it is a brittle-ductile deformation zone mineralized by 0.5-3% fine pyrite on its flanks and 3 to 10% fine pyrite grains and aggregates in the central section (208.0-209.65m).

212.6-261.1 m (48.5m) Medium-grained to porphyritic syenite contaminated by 10-20% mafic material (basalt or/and possibly mafic to intermediate tuff with volcanic breccia). The interval is patchy to pervasively hematite and carbonate-altered with weak patchy chlorite alteration, locally weakly magnetic. It is moderately fractured with a stockwork of 3-5% white calcite veinlets, in parts sheared with weakly to well-developed foliation; locally crackle brecciation. Less deformed parts of the unit are mineralized by traces to 1-2% fine pyrite, whereas the brecciated and sheared zones carry 1 to 5% fine to medium-grained pyrite aggregates, locally up to 10-15% (at 217.9-218.55m).

At 244.85-261.1m, there is a brittle-ductile deformation zone, strongly fractured, well-foliated, with localized crackle brecciation and two centimetric incohesive fault breaks. The zone is mineralized by 0.5 to 5% fine pyrite as disseminated grains and fine-grained masses along shear planes, in fractures and rims of calcite veins.

261.1-336.45 m (75.35m) A mixed unit composed of syenite and basalt in roughly equal proportions and possibly minor volcanic breccia. It is variably magnetic and overprinted by variably intense hematite, calcite, chlorite and epidote alteration. The interval is fractured throughout with localized zones of crackle brecciation in syenite and shearing with intermittently-developed foliation in basalt. There are also three 30-cm long fault zones with microbreccia (consolidated and unconsolidated). Mostly traces of pyrite, occasional fine to medium-grained aggregates in chlorite-calcite-filled fractures and patches. Brecciated and shear zones are mineralized with 1 to 5-7% pyrite. Notable intervals with elevated amounts of pyrite occur at 308.0-318.25m (traces to 5-7% pyrite) and at 327.6-330.9m (0.5 to 5%).

336.45-354.0 m (17.55m) Intermediate to mafic unit, possibly tuff, with 30% lapilli- to block-size fragments. The matrix is fine-grained, medium to pale greenish grey, weakly chloritized and carbonatized. Fragments are rather felsic, medium-grained, pinkish buff-beige. The rock is weakly magnetic to non-magnetic in bleached parts. Mineralization varies from traces to 1-2% fine to medium-size, disseminated pyrite cubic grains. At 343.6-348.2m, there is a pervasively bleached (carbonate-sericite-altered) and weakly foliated interval, which is mineralized by 2-5% fine to medium-size, disseminated. cubic grains of pyrite.

Interpretation and Recommendations:

DO-19-255 intersected several mineralized zones ranging from 20-30 cm to 10 m in length. Elevated pyrite contents (and potentially gold values) were frequently observed in mixed lithological units (syenite-basalt, syenite-volcaniclastic rock) in association with brittle-ductile deformation and some degree of bleaching caused by carbonate, hematite and shearing-related sericite alteration.

The mineralized zones identified in the drillhole DO-19-255 correlate to a certain degree with the zones intersected by the drillhole DO-18-218. Mineralized intervals observed below 300 m in DO-19-255 provide new information on Nika Zone to the north of DO-18-218 on the section 705200E. To keep testing the series of mineralized zones, another drillhole should be planned 150 m north from the collar of DO-19-255 with the following proposed new collar attributes: 705200E/5491850N, AZ 360°, Dip -50°, and Length 300-325 m.

Results:

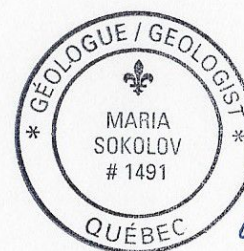
37.25 - 60 m: 0.262 ppm Au/22.75 m	64.5 - 69 m: 0.351 ppm Au/4.5 m
79 - 83 m: 0.291 ppm Au/4 m	98 - 100 m: 0.546 ppm Au/2 m
106 - 116 m: 0.274 ppm Au/10 m	121 - 127 m: 0.312 ppm Au/6 m
130 - 132 m: 1.565 ppm Au/2 m	209 - 210 m: 0.31 ppm Au/1 m
217.9 - 218.55 m: 0.29 ppm Au/0.65 m	227 - 228 m: 0.291 ppm Au/1 m
240 - 246 m: 0.255 ppm Au/6 m	249 - 255 m: 0.269 ppm Au/6 m
259 - 264 m: 0.449 ppm Au/5 m	

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro was during drilling; the distances recorded in the table are corrected values, which are 3 m less than that recorded in the download file.

M. Sokolov (OGQ #1491)

15-Mar-21



A handwritten signature in blue ink, appearing to be "MS", written over a horizontal line that extends to the right.

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	36.50	M-T Mort terrain Overburden. At 36.3-36.5 m - boulders.							
36.50	68.45	I2D (V3B) Syénite avec 5 à 25% de basalte Syenite medium to fine-grained with localized fragments of basalt which make <15% of the unit. Syenite is mottled medium to dark greyish red, in parts darker green. It contains 5-30% Plg grains, which are partially to completely altered and often barely recognizable. Some parts with the least-altered Plg appear porphyritic. Moderate pervasive to patchy hematitization; some fractures contain specular hematite. The rock is moderately magnetic (weakly to strongly). In places, there is leucoxene alteration. Fragments of basalt are a few cm to a few dm in size with distinct to fuzzy subangular contours, dark grey-green, fine-grained, pervasively chloritized, patchy carbonatized and also magnetic. The unit hosts 1 to locally 5% light pinkish white calcite-dominant veinlets (planar and irregular) which are likely carbonatite injections. (XRF analysis shows elevated values of Ce). These veinlets are few mm to 7 cm wide and medium to coarse-grained. The rock is moderately to strongly fractured, with local microbrecciation (crackle breccia). Hairline to 1 cm wide fractures and veinlets are filled by Cal, +/-Chl, +/-Qz and minor Hem. Veinlets are often cut by microslips. The dominant orientation of veins, fractures and small shears is at 40-50CA. Mineralization: traces to 1-3% fine Py as fracture-filling aggregates, fine disseminations, along rims of some veinlets. Locally up to 5-7% Py. Mineralized intervals range from a few cm to several dm. The lower contact is arbitrary.	36.50	37.25	0.00	A0100001	0.0730	Au-ICP21	VO19091080
			37.25	38.00	0.00	A0100002	0.3090	Au-ICP21	VO19091080
			38.00	39.00	0.00	A0100003	0.1570	Au-ICP21	VO19091080
			39.00	40.00	0.00	A0100004	0.0270	Au-ICP21	VO19091080
			40.00	41.00	0.00	A0100005	0.2890	Au-ICP21	VO19091080
			41.00	42.00	0.00	A0100006	0.0170	Au-ICP21	VO19091080
			42.00	43.00	0.00	A0100007	1.2500	Au-ICP21	VO19091080
			43.00	44.00	0.00	A0100009	0.0020	Au-ICP21	VO19091080
			44.00	45.00	0.00	A0100010	0.0030	Au-ICP21	VO19091080
			45.00	46.00	0.00	A0100011	0.3680	Au-ICP21	VO19091080
			46.00	47.00	0.00	A0100012	0.2130	Au-ICP21	VO19091080
			47.00	48.00	0.00	A0100013	0.0840	Au-ICP21	VO19091080
			48.00	49.00	0.00	A0100014	0.0090	Au-ICP21	VO19091080
			49.00	50.00	0.00	A0100015	0.0020	Au-ICP21	VO19091080
			50.00	51.00	0.00	A0100016	0.4240	Au-ICP21	VO19091080
			51.00	52.00	0.00	A0100017	0.8140	Au-ICP21	VO19091080
			52.00	53.00	0.00	A0100018	1.0250	Au-ICP21	VO19091080
			53.00	54.00	0.00	A0100019	0.0120	Au-ICP21	VO19091080
			54.00	55.00	0.00	A0100020	0.5550	Au-ICP21	VO19091080
			55.00	56.00	0.00	A0100021	0.0060	Au-ICP21	VO19091080
			56.00	57.00	0.00	A0100022	0.1120	Au-ICP21	VO19091080
			57.00	58.00	0.00	A0100023	0.1800	Au-ICP21	VO19091080
			58.00	59.00	0.00	A0100024	0.0060	Au-ICP21	VO19091080
			59.00	60.00	0.00	A0100026	0.1830	Au-ICP21	VO19091080

36.50	63.50	HM++; CB+; MG+; CL Hématisation ++; Carbonatisation +; Magnétite +; Chloritisation Moderate to strong pervasive to patchy hematitization, locally black specularite in fractures. Moderate patchy to pervasive carbonatization (calcite). The rock is moderately magnetic. Locally disseminated leucoxene alteration. Intervals which contain fragments of basalt are patchy chloritized. Calcite and chlorite in fractures.	60.00	61.00	0.00	A0100027	0.0040	Au-ICP21	VO19091080
			61.00	62.00	0.00	A0100028	0.0110	Au-ICP21	VO19091080
			62.00	63.00	0.00	A0100029	0.0060	Au-ICP21	VO19091080
			63.00	63.50	0.00	A0100030	0.0680	Au-ICP21	VO19091080
			63.50	64.50	0.00	A0100031	0.0280	Au-ICP21	VO19091080
			64.50	65.50	0.00	A0100032	0.1260	Au-ICP21	VO19091080
			65.50	66.50	0.00	A0100033	0.1200	Au-ICP21	VO19091080
			66.50	67.50	0.00	A0100034	0.0500	Au-ICP21	VO19091080
63.50	65.35	CL; CB; SR-; Si-; HM-; MG Chloritisation; Carbonatisation; Séricitisation -; Silicification -; Hématisati Weak to moderate patchy chloritization, carbonatization (Cal) and weak patchy sericitization of basaltic parts. Weak to moderate patchy silicification and hematitization of syenitic parts. Patchy weak to strong magnetism throughout. Cal, Chl, minor Ser and minor specular Hem in fractures. Locally minor leucoxene disseminated and in fractures.	67.50	68.45	0.00	A0100035	0.9770	Au-ICP21	VO19091080
65.35	68.45	HM++; CB-; CL--; MG- Hématisation ++; Carbonatisation -; Chloritisation --; Magnétite - Moderate to strong pervasive hematitization, minor specularite in fractures. Weak to moderate patchy carbonatization (calcite). Minor patchy chloritization. Weak magnetism.							
40.70	41.10	PY01 Pyrite 1% MINERALIZED ZONE 0.5-2% Py fine disseminated grains and fine-grained aggregates associated with fragments of chloritized basalt.							
42.50	42.75	PY02 Pyrite 2% MINERALIZED ZONE 0.5-2% Py fine disseminated grains and fine-grained aggregates in fractured, microbrecciated and patchy silicified syenite.							
44.25	45.00	PY00.5 Pyrite 0.5% MINERALIZED ZONE Traces to 1-2% Py fine disseminated grains and fine-grained aggregates in some fractures.							

45.60	46.05	PY03 Pyrite 3% MINERALIZED ZONE 2-5% Py fine disseminated grains and fine-grained aggregates in microbrecciated, patchy silicified syenite.	
50.10	52.80	PY03 Pyrite 3% MINERALIZED ZONE 1-3% to up to 5-7% fine Py disseminated, fine-grained aggregates, fracture-fillings in strongly fractured, patchy silicified syenite.	
63.40	69.00	PY01 Pyrite 1% Traces to 1% Py fine disseminated grains, locally up to 2-3%; in med-grained syenite.	
36.50	41.50	CS; BX- Cisaillé(e) 45°; Bréchique- Moderately sheared syenite with chloritic bands (basalt) oriented at 40-50CA. Locally crackle brecciation.	45
45.30	45.70	BX- Bréchique- Crackle brecciation in syenite with chlorite infilling fractures. The lower end of this interval is marked by a fracture with slickenside striations.	
48.25	48.30	BX Bréchique 25° 5 cm brecciated band with silica flooding, trace fine Py.	25
50.10	52.80	FA; BX Fracturé(e); Bréchique Moderate to strong fracturing with Chl, specular Hem, +/-Cal infilling. Locally crackle brecciation.	
58.00	58.20	CS Cisaillé(e) 42° Moderate shearing at 40-45CA (chlorite bands).	42
58.50	59.10	BX Bréchique Crackle brecciation in syenite, specularite in fractures.	
59.30	62.15	CS Cisaillé(e) 45° Moderate shshearing at 35-50CA (chlorite shear bands)	45

Cisaillé(e)+ 45°; Bréchique

Strong shearing and brecciation. Fractures and chlorite shear bands are oriented at 35-50CA. Brecciated angular fragments of syenite and basalt, 5% whitish beige Qz-Carb veinlets (1-7 mm wide) are variably oriented, commonly fragmented, boudinaged.

A la

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
68.45	103.50	I2D V3B	68.45	69.00	0.00	A0100036	0.6450	Au-ICP21	VO19091080
		Syénite avec 25 à 50% de basalte	69.00	70.00	0.00	A0100037	0.0110	Au-ICP21	VO19091080
		Syenite contaminated by 15-35% basalt.	70.00	71.00	0.00	A0100038	0.0100	Au-ICP21	VO19091080
		The rock is darker and texturally different from the previous interval. It is dark brownish grey, locally slightly bleached. It has a finer-grained matrix with small disseminated chloritized mafic phenocrysts and barely recognizable altered Plg grains. Some syenite intervals are medium-grained to porphyritic, pervasively to patchy hematitized - might be late dykes.	71.00	72.00	0.00	A0100039	0.0040	Au-ICP21	VO19091080
		Moderate patchy chloritization and weak-mod patchy Hem, +/- Cal, +/- Ser alteration.	72.00	73.00	0.00	A0100041	0.0050	Au-ICP21	VO19091080
		The unit is moderately magnetic down to 98.5 m, then magnetism becomes weaker and from ~102 m non-magnetic.	73.00	74.00	0.00	A0100042	0.0160	Au-ICP21	VO19091080
		Veins: 2-3% Cal-Qz veinlets and pink Cal (carbonatite) veins.	74.00	75.00	0.00	A0100043	0.0080	Au-ICP21	VO19091080
			75.00	76.00	0.00	A0100044	0.0090	Au-ICP21	VO19091080
			76.00	77.00	0.00	A0100045	0.1960	Au-ICP21	VO19091080
			77.00	78.00	0.00	A0100046	0.0120	Au-ICP21	VO19091080
			78.00	79.00	0.00	A0100047	0.0110	Au-ICP21	VO19091080
			79.00	80.00	0.00	A0100048	0.3620	Au-ICP21	VO19091080
		Mineralization: traces to 1% Py as fine to small disseminated grains and in some fractures. Locally 1-3% Py.	80.00	81.00	0.00	A0100049	0.3740	Au-ICP21	VO19091080
		At 92.75 m – a 3 cm wide fragment of magnetite (+/-Hem, Cal) with 5% diss Py.	81.00	82.00	0.00	A0100050	0.2420	Au-ICP21	VO19091080
			82.00	83.00	0.00	A0100051	0.1840	Au-ICP21	VO19091080
			83.00	84.00	0.00	A0100052	0.0310	Au-ICP21	VO19091080
		An arbitrary lower contact.	84.00	85.00	0.00	A0100053	0.1330	Au-ICP21	VO19091080
			85.00	86.00	0.00	A0100054	0.0200	Au-ICP21	VO19091080
73.75	74.10	I2D; PO	86.00	87.00	0.00	A0100055	0.0340	Au-ICP21	VO19091080
		Syénite; Porphyrique	87.00	88.00	0.00	A0100057	0.0090	Au-ICP21	VO19091080
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.	88.00	89.00	0.00	A0100058	0.0090	Au-ICP21	VO19091080
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.	89.00	90.00	0.00	A0100059	0.0130	Au-ICP21	VO19091080
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures.	90.00	91.00	0.00	A0100060	0.0270	Au-ICP21	VO19091080
		Otherwise, traces Py.	91.00	92.00	0.00	A0100061	0.0540	Au-ICP21	VO19091080
			92.00	93.00	0.00	A0100062	0.0380	Au-ICP21	VO19091080
			93.00	94.00	0.00	A0100063	0.0940	Au-ICP21	VO19091080
			94.00	95.00	0.00	A0100064	0.0060	Au-ICP21	VO19091080
			95.00	96.00	0.00	A0100065	0.0080	Au-ICP21	VO19091080
			96.00	97.00	0.00	A0100066	0.0050	Au-ICP21	VO19091080

81.60	81.75	I4Q Carbonatite 45° An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered. The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation. Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.	97.00	98.00	0.00	A0100067	0.0070	Au-ICP21	VO19091080
			98.00	99.00	0.00	A0100068	0.2780	Au-ICP21	VO19091080
			99.00	100.00	0.00	A0100069	0.8130	Au-ICP21	VO19091080
			100.00	101.00	0.00	A0100070	0.0070	Au-ICP21	VO19091080
			101.00	102.00	0.00	A0100071	0.0090	Au-ICP21	VO19091080
			102.00	102.75	0.00	A0100072	0.0060	Au-ICP21	VO19091080
			102.75	103.50	0.00	A0100074	0.0070	Au-ICP21	VO19091080
93.95	94.85	I2D; PO Syénite 60°; Porphyrique An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered. The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation. Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.							
95.25	95.75	I2D; PO Syénite 45°; Porphyrique An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered. The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation. Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.							
68.45	81.30	HM; CL; CB; MG Hématisation; Chloritisation; Carbonatisation; Magnétite Moderate pervasive to patchy hematitization, chloritization, patchy carbonatization (calcite). Cal, Chl, +/-Hem in fractures. Moderate magnetism. Locally fine disseminated leucoxene.							

81.60	87.80	HM; CB; CL; MG- Hématisation; Carbonatisation; Chloritisation; Magnétite - Weakly to moderately bleached syenite. Moderate pervasive to patchy hematitization, patchy carbonatization (dolomite?). Weak to moderate patchy magnetism. Minor patchy chloritization, chloritized mafic phenocrysts, chlorite in fractures.
87.80	93.00	HM; CL; CB; MG Hématisation; Chloritisation; Carbonatisation; Magnétite Moderate pervasive to patchy hematitization, chloritization, patchy carbonatization (calcite). Cal, Chl, +/-Hem in fractures. Chloritized mafic phenocrysts. Moderate magnetism.
93.00	102.00	HM+; CB-; CL- Hématisation +; Carbonatisation -; Chloritisation - Weakly to moderately bleached syenite+/-basalt, Moderate pervasive to patchy hematitization, patchy carbonatization (dolomite?). Weak to moderate patchy magnetism (decreases downhole from ~98.5 m. Minor specularite in fractures. Minor patchy chloritization, chloritized mafic phenocrysts, chlorite in fractures
74.25	80.10	PY01 Pyrite 1% Traces to 2% Py fine disseminated grains and in some chlorite-filled fractures.
80.10	80.40	PY02 Pyrite 2% 1-3% Py fine disseminated grains.
81.85	82.20	PY02 Pyrite 2% MINERALIZED ZONE 1-3% fine Py disseminated and in fractures, in moderately bleached and fractured syenite+basalt.
93.00	93.95	PY00.5 Pyrite 0.5% Traces to 1% very fine disseminated Py in bleached syenite+basalt.
94.85	95.25	PY02 Pyrite 2% 1-2% Py fine to small disseminated grains and fine-grained aggregates in fractures.

98.60	99.25	PY02 Pyrite 2% MINERALIZED ZONE 1-3% Py very fine disseminated grains in slightly bleached syenite+basalt.	
99.55	103.50	PY01.5 Pyrite 1.5% Traces to 1-2% Py small disseminated grains and fine-grained aggregates in fractures within medium-grained syenite.	
93.00	93.50	CS Cisaillé(e) 45° Moderately sheared and fractured bleached syenite with foliation developed at 40-45CA.	45
95.90	103.50	FA; BX- Fracturé(e); Bréchique- Moderately fractured syenite with localized brecciated fragments of basalt. Fault damage zone. A stockwork of irregular Cal-Qz mm veinlets. One set of fractures is at 40-45CA. Another set of irregular fractures is at low angles (5-15CA) and probably you	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
103.50	118.00	I2D V3B; AE Syénite avec 25 à 50% de basalte; Altéré Deformation zone in syenite mixed with ~20% basalt, both altered, moderately bleached, non-magnetic. Heterogeneous appearance; mottled medium reddish, buff-beige, with pale to medium greenish grey patches. Syenite is fine to medium-grained Locally fragments of porphyritic syenite. Syenite is pervasively hematitized and carbonatized (ferroan dolomite - tainted pale blue when tested with potassium ferricyanide). Patchy chloritization of basalt. The most intense deformation occurs at -105-109.2 m. There are several fault breccia zones (3-5 cm wide) at 25CA. Fault damage zone (down to ~118 m) is sheared at 25 to 50CA, strongly fractured and often brecciated. Patchy silicification and sericitization. Veins:1-3% Qz-Carb veinlets, mainly concentrated in the damage zone. Occasional late calcite veinlets. Mineralization: 1-5% fine Py concentrated in brecciated zones with silica and sericite alteration. From 115.5 m - traces to 0.5-2% Py fine grains and fine-grained masses in some fractures and Carb-Qz veinlets. An arbitrary lower contact marking the end of intense deformation.	103.50	104.25	0.00	A0100075	0.0220	Au-ICP21	VO19091080
			104.25	105.00	0.00	A0100076	0.0060	Au-ICP21	VO19091080
			105.00	106.00	0.00	A0100077	0.0190	Au-ICP21	VO19091080
			106.00	107.00	0.00	A0100078	0.1180	Au-ICP21	VO19091080
			107.00	108.00	0.00	A0100079	0.3100	Au-ICP21	VO19091080
			108.00	109.00	0.00	A0100080	0.1100	Au-ICP21	VO19091080
			109.00	110.00	0.00	A0100081	0.2430	Au-ICP21	VO19091080
			110.00	111.00	0.00	A0100082	0.1330	Au-ICP21	VO19091080
			111.00	112.00	0.00	A0100083	0.2080	Au-ICP21	VO19091080
			112.00	113.00	0.00	A0100084	0.0420	Au-ICP21	VO19091080
			113.00	114.00	0.00	A0100085	0.4850	Au-ICP21	VO19091080
			114.00	115.00	0.00	A0100086	0.9490	Au-ICP21	VO19091080
			115.00	116.00	0.00	A0100087	0.1410	Au-ICP21	VO19091080
			116.00	117.00	0.00	A0100089	0.0090	Au-ICP21	VO19091080
			117.00	118.00	0.00	A0100090	0.0800	Au-ICP21	VO19091080

102.00	105.50	HM+; CB; CL- Hématisation +; Carbonatisation; Chloritisation - Moderate to strong pervasive hematitization. Moderate patchy to pervasive carbonatization (Cal. Dol). Weak patchy chloritization, fracture-filling. A few isolated weakly magnetic spots. Basaltic fragments are moderately bleached.
105.50	118.00	HM; CB; Si; ST; CL Hématisation; Carbonatisation; Silicification; Serpentinisation; Chloritisation Patchy bleaching. patchy hematitization (in syenite), carbonatization (dolomite), remnant patchy chloritization (in basalt). Patchy sericitization and silicification. Chlorite in fractures and in breccia zones (cementing).
105.65	105.75	PY02 Pyrite 2% MINERALIZED ZONE 2% very fine Py in a silicified breccia zone.
106.60	115.55	PY02 Pyrite 2% MINERALIZED ZONE 1 to 5% very fine Py disseminated, in fractures and brecciated zones with Sil+/-Ser alteration.
115.55	118.00	PY01 Pyrite 1% Traces to 1-2% Py fine grains and fine-grained masses in some fractures and Carb-Qz veinlets.
103.50	109.25	FJ; T1A; FA 25 Faille 25°; Brèche de faille; Fracturé(e) Strongly deformed bleached syenite with fragments of bleached basalt. Intensely fractured, in parts brecciated. Irregular fractures undulating at low angles (5-25CA). Localized foliation and fractures at ~45CA. Fault breccia intervals (3 to 10 cm wide, a
109.25	118.00	CS+; FA; BX Cisaillé(e)+; Fracturé(e); Bréchiq Fault damage zone. Weakly developed foliation at angles ranging from 25 to 50CA. Strong fracturing, locally brecciation (crackle, hydrothermal).

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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118.00	140.00	I2D (V3B) Syénite avec 5 à 25% de basalte Syenite with <15% fragments of basalt, both altered, moderately bleached, non-magnetic. The unit is light to medium beige-buff, reddish, with localized pale to medium greenish grey patches of basalt. Syenite medium to fine-grained, pervasively to patchy hematitized, carbonatized (dolomite). Minor patchy Chl, Ser alteration. Specularite and minor fluorite in some fractures. The interval is rather deformed but less intensely as the unit above. Locally foliation at 35-40CA, in places brecciation (crackle, hydrothermal). Veins: 1-2% Carb-Qz veinlets, 1-10 mm wide, brittle, often fragmented. Mineralization: traces to 1% fine Py disseminated and in some fractures. Locally up to 2-3% fine Py. An arbitrary lower contact marking the end of bleaching.	118.00	119.00	0.00	A0100091	0.0200	Au-ICP21	VO19091080
			119.00	120.00	0.00	A0100092	0.0640	Au-ICP21	VO19091080
			120.00	121.00	0.00	A0100093	0.0570	Au-ICP21	VO19091080
			121.00	122.00	0.00	A0100094	0.1090	Au-ICP21	VO19091080
			122.00	123.00	0.00	A0100095	0.4030	Au-ICP21	VO19091080
			123.00	124.00	0.00	A0100096	1.0450	Au-ICP21	VO19091080
			124.00	125.00	0.00	A0100097	0.1360	Au-ICP21	VO19091080
			125.00	126.00	0.00	A0100098	0.0570	Au-ICP21	VO19091080
			126.00	127.00	0.00	A0100099	0.1210	Au-ICP21	VO19091080
			127.00	128.00	0.00	A0100100	0.0100	Au-ICP21	VO19091080
			128.00	129.00	0.00	A0100101	0.0750	Au-ICP21	VO19091080
			129.00	130.00	0.00	A0100102	0.0100	Au-ICP21	VO19091080
			130.00	131.00	0.00	A0100103	0.1690	Au-ICP21	VO19091080
			131.00	132.00	0.00	A0100105	2.9600	Au-ICP21	VO19091080
			132.00	133.00	0.00	A0100106	0.0320	Au-ICP21	VO19091080
			133.00	134.00	0.00	A0100107	0.0180	Au-ICP21	VO19091080
			134.00	135.00	0.00	A0100108	0.0160	Au-ICP21	VO19091080
			135.00	136.00	0.00	A0100109	0.0280	Au-ICP21	VO19091080
			136.00	137.00	0.00	A0100110	0.0150	Au-ICP21	VO19091080
			137.00	138.00	0.00	A0100111	0.0330	Au-ICP21	VO19091080
			138.00	139.00	0.00	A0100112	0.0170	Au-ICP21	VO19091106
			139.00	140.00	0.00	A0100113	0.0060	Au-ICP21	VO19091106
118.00	140.00	HM+; CB; CL- Hématisation +; Carbonatisation; Chloritisation - Moderate to strong bleaching of syenite and basalt. Moderate to strong pervasive to patchy hematitization, specularite in fractures. Moderate patchy carbonatization (ferroan dolomite). Late calcite veinlets. Remnant patchy chloritization (basalt fragments). No magnetism. Locally minor patchy and fibrous sericitization.							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
140.00	155.60	I2D (V3B) Syénite avec 5 à 25% de basalte Syenite contaminated by basalt (5-25%), fine-grained with dark chloritized phenocrysts, pervasively hematitized, wk-mod magnetic, patchy carbonatized (calcite). Locally medium-grained to porphyritic syenite intervals with distinct contacts (dykes?). Specular Hem in matrix and fractures. Moderate fracturing, locally weakly-developed foliation (weak shearing), localized brecciation. 1-2% white Cal-Qz mm-cm veinlets, variably oriented. Mineralization: traces Py, locally 0.5-2% Py fine to med-size diss grains and in fractures. The lower contact is at 25CA. From 152 to 155.6 m - blocky core, fractured, with dissolved cavities.	140.00	141.00	0.00	A0100114	0.0240	Au-ICP21	VO19091106
			141.00	142.00	0.00	A0100115	0.0130	Au-ICP21	VO19091106
			142.00	143.00	0.00	A0100116	0.0180	Au-ICP21	VO19091106
			143.00	144.00	0.00	A0100117	0.0090	Au-ICP21	VO19091106
			144.00	145.00	0.00	A0100118	0.0250	Au-ICP21	VO19091106
			145.00	146.00	0.00	A0100119	0.0160	Au-ICP21	VO19091106
			146.00	147.00	0.00	A0100120	0.0380	Au-ICP21	VO19091106
			147.00	148.00	0.00	A0100122	0.0050	Au-ICP21	VO19091106
			148.00	149.00	0.00	A0100123	0.0090	Au-ICP21	VO19091106
			149.00	150.00	0.00	A0100124	0.0350	Au-ICP21	VO19091106
			150.00	151.00	0.00	A0100125	0.0060	Au-ICP21	VO19091106
			151.00	152.00	0.00	A0100126	0.0080	Au-ICP21	VO19091106
			152.00	153.00	0.00	A0100127	0.0090	Au-ICP21	VO19091106

142.70	143.45	I2D; PO		153.00	154.00	0.00	A0100128	0.0260	Au-ICP21	VO19091106
		Syénite 35°; Porphyrique		154.00	155.00	0.00	A0100129	0.0210	Au-ICP21	VO19091106
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.		155.00	155.60	0.00	A0100130	0.0290	Au-ICP21	VO19091106
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.								
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.								
146.00	146.70	I2D; PO								
		Syénite 35°; Porphyrique								
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.								
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.								
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.								
140.00	155.60	HM; CL; CB								
		Hématisation; Chloritisation; Carbonatisation								
		Moderate pervasive to patchy Hem, specularite in fractures.								
		Chloritization of basalt fragments, phenocrysts in syenite, in fractures.								
		Weak to moderate patchy carbonatization (calcite).								
		Weak to moderate patchy magnetism.								
143.60	150.00	PY01								
		Pyrite 1%								
		Traces to 1-2% Py fine to med-size grains (euhedral to anhedral), in fractures and some Cal veinlets, disseminated.								
152.00	155.60	PY01								
		Pyrite 1%								
		Traces to 1-2% Py fine to med-size diss grains and fine-grained aggregates in fractures, in dissolution cavities.								
150.00	153.00	BX-; CS-	50							
		Bréchique-; Cisailé(e)- 50°								
		Weakly developed foliation at 45-55CA.								

153.00 155.60 FA; Dissolution
Fracturé(e); Cavité de dissolution
 Moderate fracturing, dissolution cavities with Cal, Chl and Py. Blocky core.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
155.60	160.30	I2D Syénite 25° Syenite (?) fine to medium-grained, with 5-10% dark chloritized phenocrysts (anhedral to subhedral) and 1-3% greyish Plg small crystals. The matrix is medium to dark brown-mauve, fine-grained, strongly pervasively hematitized and carbonatized (calcite), wk-mod magnetic. Blocky, fractured core. Fractures are mainly oriented at 50-55CA. Specular Hem, Cal, Chl in fractures. The rock is quite similar to the unit above but doesn't have porphyritic intervals. Mineralization: traces to 0.5-1% Py fine diss, in some fractures. An arbitrary lower contact.	155.60	156.30	0.00	A0100131	0.0120	Au-ICP21	VO19091106
			156.30	157.00	0.00	A0100132	0.0090	Au-ICP21	VO19091106
			157.00	158.00	0.00	A0100133	0.0190	Au-ICP21	VO19091106
			158.00	159.00	0.00	A0100134	0.0190	Au-ICP21	VO19091106
			159.00	159.65	0.00	A0100135	0.0250	Au-ICP21	VO19091106
			159.65	160.30	0.00	A0100137	0.0140	Au-ICP21	VO19091106
155.60	160.30	HM++; CB+; CL; MG Hématisation ++; Carbonatisation +; Chloritisation; Magnétite Strong pervasive hematitization, moderate patchy carbonatization (calcite), Chloritization of mafic phenocrysts. Chl, Cal, specular Hem in fractures. Weak to moderate magnetism.							
155.60	162.35	PYtr Pyrite tr Traces fine Py in some Chl-filled fractures.							
155.60	163.00	FA+ Fracturé(e)+ Strong fracturing, mainly at 50-55CA, blocky core. Fractures are oriented in opposite direction to common shear angles. Minor dissolution cavities.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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160.30	212.60	I2D V3B		160.30	161.00	0.00	A0100138	0.0180	Au-ICP21	VO19091106
		Syénite avec 25 à 50% de basalte		161.00	162.00	0.00	A0100139	0.0180	Au-ICP21	VO19091106
		Syenite contaminated by 25-35% Basalt.		162.00	163.00	0.00	A0100140	0.0080	Au-ICP21	VO19091106
		5-10% Feldspar porphyry intervals of intermediate to felsic composition (a swarm of dykes?) with rather distinct contacts.		163.00	164.00	0.00	A0100141	0.0440	Au-ICP21	VO19091106
		The unit has a mottled, heterogeneous appearance, medium to dark grey, patchy red, locally patchy bleached. Syenite is fine to medium-grained, locally porphyritic with anhedral Plg grains, Some parts contain chloritized mafic phenocrysts.		164.00	165.00	0.00	A0100142	0.0720	Au-ICP21	VO19091106
		Moderate patchy Hem, Chl, Cal alteration; Cal, Chl in fractures. Non-magn to mod magn.		165.00	166.00	0.00	A0100143	0.0130	Au-ICP21	VO19091106
		Several sheared intervals which are often bleached and mineralized. Locally brecciation.		166.00	167.00	0.00	A0100144	0.0310	Au-ICP21	VO19091106
		Veins: localised sheeted Cal veins (oriented similarly as shears), which are crosscut by coarse Cal-Qz veinlets. Locally stockworks of 1-2% brittle Cal veinlets.		167.00	168.00	0.00	A0100145	0.0310	Au-ICP21	VO19091106
		Mineralization: traces to 1-2% Py fine to med-size grains, in fractures, Cal veins. Locally 3 to 5-10% Py (in sheared and brecciated parts).		168.00	169.00	0.00	A0100146	0.0320	Au-ICP21	VO19091106
				169.00	170.00	0.00	A0100147	0.0120	Au-ICP21	VO19091106
		FP dykes vary from 1 to several dm in length and are composed of 20 to 40% euhedral to subhedral Plg phenocrysts in fine-grained groundmass.		170.00	171.00	0.00	A0100148	0.0140	Au-ICP21	VO19091106
				171.00	172.00	0.00	A0100149	0.0330	Au-ICP21	VO19091106
		195.5-201 m – blocky core, strong fracturing.		172.00	173.00	0.00	A0100150	0.2270	Au-ICP21	VO19091106
				173.00	174.00	0.00	A0100151	0.0240	Au-ICP21	VO19091106
		The lower contact is marked at the end of a sheared, mineralized zone.		174.00	175.00	0.00	A0100153	0.0240	Au-ICP21	VO19091106
				175.00	176.00	0.00	A0100154	0.0610	Au-ICP21	VO19091106
				176.00	177.00	0.00	A0100155	0.0110	Au-ICP21	VO19091106
				177.00	178.00	0.00	A0100156	0.0110	Au-ICP21	VO19091106
				178.00	179.00	0.00	A0100157	0.2190	Au-ICP21	VO19091106
				179.00	180.00	0.00	A0100158	0.1460	Au-ICP21	VO19091106
				180.00	181.00	0.00	A0100159	0.0740	Au-ICP21	VO19091106
				181.00	182.00	0.00	A0100160	0.0390	Au-ICP21	VO19091106
				182.00	183.00	0.00	A0100161	0.0690	Au-ICP21	VO19091106
				183.00	184.00	0.00	A0100162	0.0120	Au-ICP21	VO19091106
				184.00	185.00	0.00	A0100163	0.0290	Au-ICP21	VO19091106
				185.00	186.00	0.00	A0100164	0.0310	Au-ICP21	VO19091106
				186.00	187.00	0.00	A0100165	0.0660	Au-ICP21	VO19091106
				187.00	188.00	0.00	A0100166	0.0160	Au-ICP21	VO19091106
				188.00	189.00	0.00	A0100167	0.0180	Au-ICP21	VO19091106
				189.00	190.00	0.00	A0100168	0.0040	Au-ICP21	VO19091106
				190.00	191.00	0.00	A0100170	0.0110	Au-ICP21	VO19091106
				191.00	192.00	0.00	A0100171	0.0080	Au-ICP21	VO19091106
				192.00	193.00	0.00	A0100172	0.0160	Au-ICP21	VO19091106
				193.00	194.00	0.00	A0100173	0.0080	Au-ICP21	VO19091106
				194.00	195.00	0.00	A0100174	0.0140	Au-ICP21	VO19091106
				195.00	196.00	0.00	A0100175	0.0050	Au-ICP21	VO19091106
				196.00	197.00	0.00	A0100176	0.0200	Au-ICP21	VO19091106
				197.00	198.00	0.00	A0100177	0.0090	Au-ICP21	VO19091106

170.45	171.85	I2; PO		198.00	199.00	0.00	A0100178	0.0190	Au-ICP21	VO19091106
		Intrusif intermédiaire 25°; Porphyrique		199.00	200.00	0.00	A0100179	0.0170	Au-ICP21	VO19091106
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.		200.00	201.00	0.00	A0100180	0.0190	Au-ICP21	VO19091106
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.		201.00	202.00	0.00	A0100181	0.0140	Au-ICP21	VO19091106
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.		202.00	203.00	0.00	A0100182	0.0005	Au-ICP21	VO19091106
				203.00	204.00	0.00	A0100183	0.0370	Au-ICP21	VO19091106
				204.00	205.00	0.00	A0100185	0.0220	Au-ICP21	VO19091106
				205.00	206.00	0.00	A0100186	0.1280	Au-ICP21	VO19091106
				206.00	207.00	0.00	A0100187	0.0420	Au-ICP21	VO19091106
				207.00	208.00	0.00	A0100188	0.0660	Au-ICP21	VO19091106
				208.00	209.00	0.00	A0100189	0.1630	Au-ICP21	VO19091106
				209.00	210.00	0.00	A0100190	0.3100	Au-ICP21	VO19091106
				210.00	211.00	0.00	A0100191	0.0650	Au-ICP21	VO19091106
				211.00	212.00	0.00	A0100192	0.1520	Au-ICP21	VO19091106
				212.00	212.60	0.00	A0100193	0.0320	Au-ICP21	VO19091106
173.60	174.00	I2; PO								
		Intrusif intermédiaire 45°; Porphyrique								
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.								
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.								
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.								
180.45	180.86	I2; PO								
		Intrusif intermédiaire 48°; Porphyrique								
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.								
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.								
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.								

184.40 185.10 I2; PO

Intrusif intermédiaire 50°; Porphyrique

An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.

The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.

Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.

188.95 191.35 I2; PO

Intrusif intermédiaire 45°; Porphyrique

An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.

The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.

Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.

193.35 194.10 I2; PO

Intrusif intermédiaire 50°; Porphyrique

An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.

The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.

Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.

- 195.05 196.10 I2; PO
Intrusif intermédiaire 50°; Porphyrique
 An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.
 The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.
 Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.
- 196.45 205.10 I2; PO
Intrusif intermédiaire; Porphyrique
 An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.
 The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.
 Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.
- 160.30 170.45 HM; CL; CB; MG
Hématisation; Chloritisation; Carbonatisation; Magnétite
 Moderate to weak pervasive to patchy hematitization, patchy chloritization (basalt), patchy carbonatization (calcite).
 Weak to moderate magnetism.
 Cal, Chl, in fractures.
- 171.85 173.60 Si; CB; HM-; CL-; ST-
Silicification; Carbonatisation; Hémathisation -; Chloritisation -; Serpentinis
 Weak-moderate bleaching, pervasive silicification and carbonatization (dolomite). Patchy remnant Hem and Chl. Chlorite in fractures, locally minor sericite.
 Calcite in late fractures.
- 173.60 188.95 HM; CB; CL-; MG
Hématisation; Carbonatisation; Chloritisation -; Magnétite
 Weak to moderate patchy Hem, Cal/Carb, Chl, non-magn to wk-mod magn.
- 188.95 191.30 HM; CB; CL-
Hématisation; Carbonatisation; Chloritisation -
 Weak-mod patchy to pervasive Hem and Carb (calcite). Minor Chl in fractures and groundmass. Non-magnetic.

191.30	201.00	CL; CB; HM; MG Chloritisation; Carbonatisation; Hématisation; Magnétite Weak to mod patchy Chl, Hem, Carb (calcite), non-magn to wk-mod magn.
211.90	212.60	CB+; HM; CL; MG- Carbonatisation +; Hématisation; Chloritisation; Magnétite - Weak to strong patchy bleaching (Carb, +/-Sil). Mod-str patchy to pervasive Carb (calcite), wk-mod patchy Hem and Chl. Locally minor fibrous Ser in fractures. Non-magn to weakly magn.
162.35	163.50	PY02 Pyrite 2% MINERALIZED ZONE 1-3% Py in bleached porphyritic (intermediate) rock. Fine to med-size grains diss and aggregates in fractures.
163.50	163.75	PY04 Pyrite 4% MINERALIZED ZONE 3-5% Py med-size to fine euhedral grains in fractures within a sheared altered syenite/basalt (between two intervals of bleached FP).
163.75	164.30	PY03 Pyrite 3% MINERALIZED ZONE 3% Py fine to med-size grains in fractures within bleached porphyritic (intermediate) rock.
164.30	170.45	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py fine diss grains, locally minor med grains in Chl-Cal-filled fractures.
170.45	171.90	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py fine to med-size subhedral grains in fractures, diss.
171.90	172.00	PY04 Pyrite 4% 2-5% Py fine-grained masses in sheared syenite on the contact with a feldspar porphyry dyke.
174.00	175.55	PY01 Pyrite 1% Traces to 1-2% fine Py diss, in fractures.

175.55	176.20	PY04 Pyrite 4% MINERALIZED ZONE 2-5% Py very fine and med-size grains, disseminated, aggregates in fractures.
176.20	178.20	PY00.25 Pyrite 0.25% Traces to 0.5% fine Py in some fractures.
178.20	182.65	PY04 Pyrite 4% MINERALIZED ZONE 1 to 5% Py fine to med-size diss grains, euhedral to anhedral, fine-grained masses in fractures, inside and in rims of sheeted veins, in brecciated fragments of the host rock in veins. At 178.9 m up to 5-15% fine-grained aggregates.
182.65	186.10	PY01 Pyrite 1% Traces to 1% Py, locally 1-3%, fine disseminated grains, in some fractures and Cal veinlets.
186.10	188.95	PY01.5 Pyrite 1.5% 1-3% Py fine disseminated euhedral grains, in fractures and Cal veinlets and sheeted veins.
188.95	200.60	PYtr-0.5 Pyrite tr-0.5 Traces to locally 0.5-1% Py fine grains, mainly in Chl-filled fractures and Chl patches.
200.60	208.00	PY02 Pyrite 2% MINERALIZED ZONE 0.5-2% fine Py euhedral to subhedral grains disseminated and in fractures, locally med-size Py in fractures.
208.00	209.65	PY05 Pyrite 5% MINERALIZED ZONE 3 to 10% fine Py euhedral to subhedral grains, disseminated, fine-grained aggregates in fractures.

209.65	212.60	PY02 Pyrite 2% MINERALIZED ZONE 0.5-3% fine Py diss and fine-grained aggregates in fractures.	
164.30	170.00	BX- Bréchique- Brecciated fragments of basalt in syenite, cm-dm in size, subangular, 3-5%.	
171.85	173.60	CS+; BX- Cisaillé(e)+ 50°; Bréchique- Shear zone with foliation developed at 47-55CA. Locally crackle brecciation.	50
175.55	176.20	BX Bréchique Crackle brecciation in syenite.	
178.25	188.95	CS; FA; BX- Cisaillé(e) 45°; Fracturé(e); Bréchique- Wk to moderate intermittent shearing with foliation at 35 to 65CA (mainly 45CA). ~3-5% Cal-dominant sheeted veins (pink, fine-grained, cm to 2-3 dm in length), which are oriented parallel to shear planes. Sheeted veins are crosscut by coarser Carbonatite	45
195.50	201.00	FA Fracturé(e) Fractured, blocky core (drillers noted a fault at 198 m). Irregular fractures undulating along the core axis (5-20CA), with minor Chl coating, locally slickenside striations.	
201.00	211.80	CS; FA Cisaillé(e) 45°; Fracturé(e) Weak to moderate shearing with intermittent foliation at 30-45CA. Mod-str fracturing at 15-20CA and at 30-45CA, bifurcating and anastomosing fractures with Chl infilling. Locally crackle brecciation.	45
211.80	211.90	BX+; CS Bréchique+; Cisaillé(e) 30° A brecciated and sheared interval - a fault zone. Irregular fractures (hairline to 3 mm wide) with Chl infilling. Fragmented and boudinaged Cal veins. The lower contact of the zone is strongly sheared at 25-30CA.	30

Cisaillé(e) 30°

Mod-str shearing and fracturing at 25-30CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
212.60	220.30	I2D (V3B) Syénite avec 5 à 25% de basalte Medium-grained to porphyritic Syenite contaminated by 15-20% mafic material (basalt or mafic tuff); contains 3-5% volcanic breccia of lapilli size. The unit is medium grey to mauve-grey with minor pinkish beige bleached patches. Non-magn to weakly magn, hard to scratch. Moderate patchy to pervasive Hem, Cal and weak patchy Chl alteration. Localized weak foliation/shearing and fracturing at 40-50CA. Volcanic breccia is pale greenish grey, medium-grained, has distinct (not sharp) subangular to subround contours. 1-2% fragmented mm Cal veinlets and less deformed Cal-Qz veinlets (probably younger generation). Mineralization: traces to 0.5-2% fine Py diss and in fractures. At 217.9-218.55 m - 3 to 20% fine-grained Py masses in fractures. The lower contact is rather distinct, at 45CA.	212.60	213.30	0.00	A0100194	0.0100	Au-ICP21	VO19091106
			213.30	214.00	0.00	A0100195	0.0110	Au-ICP21	VO19091106
			214.00	215.00	0.00	A0100196	0.0160	Au-ICP21	VO19091106
			215.00	216.00	0.00	A0100197	0.0230	Au-ICP21	VO19091106
			216.00	217.00	0.00	A0100198	0.0840	Au-ICP21	VO19091106
			217.00	217.90	0.00	A0100199	0.0370	Au-ICP21	VO19091106
			217.90	218.55	0.00	A0100201	0.2900	Au-ICP21	VO19091106
			218.55	219.30	0.00	A0100202	0.0160	Au-ICP21	VO19091106
			219.30	220.30	0.00	A0100203	0.0280	Au-ICP21	VO19091106
212.60	220.30	HM; CB; CL-; MG- Hématisation; Carbonatisation; Chloritisation -; Magnétite - Moderate patchy to pervasive Hem, Cal and weak-mod patchy Chl alteration. Non-magn to weakly magn. Chl, Cal in fractures.							
212.60	217.90	PY01 Pyrite 1% Trace to 1-2% fine Py in fractures and diss.							
217.90	218.55	PY10 Pyrite 10% MINERALIZED ZONE 3-5% very fine-grained Py masses in fractures and in fine-grained Cal-Hem alteration patches. At 217.9-218.0 m - up to 10-15% very fine-grained Py masses with lesser med-size grains in fractures and in calcitic cement within brecciated and Hem-altered syenite.							

218.55 220.30 PY00.75
Pyrite 0.75%
 Traces to 1% fine Py in fractures, in chloritized interstices.

216.55 220.30 CS-; FA-; BX- 45
Cisaillé(e)- 45°; Fracturé(e)-; Bréchique-
 Weak shearing and fracturing at 40-50CA.
 At 217.9-218.0 m - brecciated Hem-altered syenite.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
220.30	261.10	I2D (V3B); CS Syénite avec 5 à 25% de basalte 45°; Cisaillé Medium-grained to porphyritic Syenite or could be Intermediate Tuff intermixed with Syenite and with 5-15% mafic brecciated fragments. The unit has a heterogeneous appearance, mottled medium mauve-grey with medium to pale greenish grey fragments. Medium-size Plg grains are subhedral to anhedral, with fuzzy contours, pale grey to greenish grey. The matrix is pink-beige, Hem and Carb-altered, fine-grained to almost aphanitic. Mafic fragments are chloritized, cm-dm in size. The interval is moderately to strongly fractured, in parts sheared with weakly to well-developed foliation at 35-50CA, locally brecciated (crackle, mozaic). Fault zone at 258.55-258.85 m. Moderate patchy to pervasive Hem and weak to moderate Cal alteration. Weak-mod patchy bleaching. Sericite in sheared intervals. Locally weak patchy magnetism. At least two generation of veins: 1) a stockwork of 1-3% Cal mm brittle veinlets and 2) several Cal veins (2-6 cm wide, carbonatite?) crosscutting stockwork. Mineralization: traces to 1-2% fine Py in fractures, disseminated and in rims of Cal veins. Up to 3-4% fine Py in shear zones. The lower contact is at ~55CA.	220.30	221.00	0.00	A0100204	0.0450	Au-ICP21	VO19091106
			221.00	222.00	0.00	A0100205	0.0380	Au-ICP21	VO19091106
			222.00	223.00	0.00	A0100206	0.0560	Au-ICP21	VO19091106
			223.00	224.00	0.00	A0100207	0.0660	Au-ICP21	VO19091106
			224.00	225.00	0.00	A0100209	0.1480	Au-ICP21	VO19091106
			225.00	226.00	0.00	A0100210	0.0470	Au-ICP21	VO19091106
			226.00	227.00	0.00	A0100211	0.0730	Au-ICP21	VO19091106
			227.00	228.00	0.00	A0100212	0.2910	Au-ICP21	VO19091106
			228.00	229.00	0.00	A0100213	0.0430	Au-ICP21	VO19091106
			229.00	230.00	0.00	A0100214	0.0830	Au-ICP21	VO19091106
			230.00	231.00	0.00	A0100215	0.0760	Au-ICP21	VO19091106
			231.00	232.00	0.00	A0100216	0.1860	Au-ICP21	VO19091106
			232.00	233.00	0.00	A0100217	0.1300	Au-ICP21	VO19091106
			233.00	234.00	0.00	A0100218	0.0400	Au-ICP21	VO19091106
			234.00	235.00	0.00	A0100219	0.0260	Au-ICP21	VO19091106
			235.00	236.00	0.00	A0100220	0.0180	Au-ICP21	VO19091106
			236.00	237.00	0.00	A0100221	0.0120	Au-ICP21	VO19091106
			237.00	238.00	0.00	A0100222	0.0110	Au-ICP21	VO19091106
247.70	247.95	I2; PO Intrusif intermédiaire 55°; Porphyrique An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered. The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation. Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.	238.00	239.00	0.00	A0100223	0.0620	Au-ICP21	VO19103972
			239.00	240.00	0.00	A0100224	0.0960	Au-ICP21	VO19103972
			240.00	241.00	0.00	A0100226	0.3180	Au-ICP21	VO19103972
			241.00	242.00	0.00	A0100227	0.4730	Au-ICP21	VO19103972
			242.00	243.00	0.00	A0100228	0.1040	Au-ICP21	VO19103972
			243.00	244.00	0.00	A0100229	0.1460	Au-ICP21	VO19103972
			244.00	245.00	0.00	A0100230	0.3550	Au-ICP21	VO19103972
			245.00	246.00	0.00	A0100231	0.1310	Au-ICP21	VO19103972
			246.00	247.00	0.00	A0100232	0.0540	Au-ICP21	VO19103972
			247.00	248.00	0.00	A0100233	0.0900	Au-ICP21	VO19103972
			248.00	249.00	0.00	A0100234	0.0850	Au-ICP21	VO19103972

248.35	248.50	I2; PO Intrusif intermédiaire 55°; Porphyrique An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered. The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation. Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.	249.00	250.00	0.00	A0100235	0.1420	Au-ICP21	VO19103972
			250.00	251.00	0.00	A0100236	0.1290	Au-ICP21	VO19103972
			251.00	252.00	0.00	A0100237	0.4180	Au-ICP21	VO19103972
			252.00	253.00	0.00	A0100238	0.2560	Au-ICP21	VO19103972
			253.00	254.00	0.00	A0100239	0.3440	Au-ICP21	VO19103972
			254.00	255.00	0.00	A0100241	0.3240	Au-ICP21	VO19103972
			255.00	256.00	0.00	A0100242	0.0100	Au-ICP21	VO19103972
			256.00	257.00	0.00	A0100243	0.0150	Au-ICP21	VO19103972
			257.00	258.00	0.00	A0100244	0.0240	Au-ICP21	VO19103972
			258.00	259.00	0.00	A0100245	0.0860	Au-ICP21	VO19103972
250.00	250.25	V3B; CS Basalte 45°; Cisailé An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered. The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation. Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.	259.00	260.00	0.00	A0100246	0.2600	Au-ICP21	VO19103972
			260.00	261.00	0.00	A0100247	0.7880	Au-ICP21	VO19103972
220.30	250.00	HM+; CB; CL-; SR--; MG- Hématisation +; Carbonatisation; Chloritisation -; Séricitisation --; Magnét Moderate pervasive to patchy Hem and Carb (calcite), weak to moderate patchy Chl (mafic fragments), non-magnetic to locally weakly magnetic. Weak-mod patchy bleaching. Fibrous sericite in fractures and shear planes. Cal, Chl and Hem in fractures.							
250.00	255.60	HM+; CB; SR; CL-; MG-- Hématisation +; Carbonatisation; Séricitisation; Chloritisation -; Magnétit Moderate to strong pervasive to patchy Hem, moderate patchy Carb, weak-mod patchy and fibrous Ser. Locally remnant Chl in fractures. Mostly non-magnetic, locally wk-mod magn.							
255.60	257.90	CL+; CB; HM; MG-; SR-- Chloritisation +; Carbonatisation; Hématisation; Magnétite -; Séricitatio Mod-str patchy to pervasive Chl, wk-mod patchy Carb and Hem, minor fibrous Ser in shear fractures. Non-magn to weakly magnetic.							

257.90	261.10	HM+; CB; CL-; SR-; MG- Hématisation +; Carbonatisation; Chloritisation -; Séricitisation -; Magnéti Moderate patchy to pervasive Hem, Carb, weak-mod patchy Ser and Chl. Non-magnetic to wk-mod magnetic.
220.30	243.80	PY01 Pyrite 1% MINERALIZED ZONE Traces to 1-3% Py fine euhedral disseminated grains and fine to medium-grained masses in fractures and in rims of Cal veins.
243.80	244.85	PYtr Pyrite tr Traces fine Py in some fractures.
244.85	245.05	PY05 Pyrite 5% MINERALIZED ZONE 5% fine-grained Py masses in fractures within brecciated, patchy BLCH and Hem syenite.
245.05	255.60	PY02 Pyrite 2% MINERALIZED ZONE 0.5-3% fine Py disseminated grains and fine-grained masses in fractures and rims of Cal veins.
255.60	257.90	PY02 Pyrite 2% MINERALIZED ZONE 1-3% Py fine and med-size cubic grains diss, in fractures and along shear planes.
257.90	261.10	PY01.5 Pyrite 1.5% MINERALIZED ZONE 0.5-2% fine Py disseminated, in fractures and shear planes.
222.00	226.50	FA; BX- Fracturé(e); Bréchique- Moderately fractured syenite with a stockwork of irregular, brittle, variably oriented and fragmented Cal veinlets. Fractures at 40-60CA and at 5-25CA. Coarse Cal veins (carbonatite?) contain brecciated fragments of the host rock.

226.50	234.45	CS+; FA; BX- Cisaillé(e)+ 40°; Fracturé(e); Bréchique- SHEAR ZONE with weakly to well-developed foliation at 40CA. fractured (15 to 50CA), Locally crackle brecciation. At 230.30-230.40 m - a bleached, brecciated zone with Chl-Cal cementation, very fine Py and minor rusty stains. At 231.8 m - 2-3 cm wide br	40
234.45	235.20	FA Fracturé(e) Moderately fractured interval with a stockwork of 3-5% fragmented Cal mm veinlets.	
235.20	235.85	CS; FA Cisaillé(e) 40°; Fracturé(e) Moderate shearing and fracturing at 40CA.	40
235.85	238.00	FA Fracturé(e) Moderately fractured interval with a stockwork of 3-5% fragmented Cal mm veinlets.	
238.00	250.00	FA; CS-; BX- Fracturé(e) 45°; Cisaillé(e)-; Bréchique- Weakly to moderately fractured, sheared zone with localized crackle brecciation. The angles of fractures and localized foliation range from 35 to 55CA.	45
250.00	258.25	CS+; FA Cisaillé(e)+ 45°; Fracturé(e) SHEAR ZONE Moderately to well-developed foliation at 40-47CA, moderate fracturing.	45
258.25	258.80	FJ; CS+ Faille 52°; Cisaillé(e)+ FAULT, SHEAR ZONE Intensely sheared interval with two fault breaks. Faults are 1 cm wide each, at 52-55CA, unconsolidated microbreccia with gouge (~50-50%). Foliation/shear angles between the breaks vary from 45 to 55CA.	52
258.80	261.10	CS+; BX Cisaillé(e)+ 52°; Bréchique SHEAR ZONE Moderately to well-developed foliation at 45-55CA, stretched Plg grains. In parts crackle brecciation.	52

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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261.10	336.45	I2D V3B		261.00	262.00	0.00	A0100248	0.5530	Au-ICP21	VO19103972
		Syénite avec 25 à 50% de basalte 55°		262.00	263.00	0.00	A0100249	0.1820	Au-ICP21	VO19103972
		A mixed unit composed of 50-50% Syenite/Basalt, possibly minor fragments of volcanic breccia.		263.00	264.00	0.00	A0100250	0.4630	Au-ICP21	VO19103972
		It looks like syenite dominates in the upper portion of the unit, whereas basalt % increases downhole (possibly magnesian basalt).		264.00	265.00	0.00	A0100251	0.0005	Au-ICP21	VO19103972
		The unit has a mottled, heterogeneous appearance; overall medium greenish grey with reddish, mauve, light grey patches. Weak to moderate patchy Hem, Chl, Cal, weak to mod patchy and speckled Ep, variably magnetic (non-magn to mod magn).		265.00	266.00	0.00	A0100252	0.0005	Au-ICP21	VO19103972
		Fine to medium-grained matrix. Syenite is often fragmented (cm to several dm). Fragments of basalt are present in large syenite intervals.		266.00	267.00	0.00	A0100253	0.0070	Au-ICP21	VO19103972
		Mod to strong fracturing, crackle brecciation in syenite, locally weakly developed foliation at ~50CA.		267.00	268.00	0.00	A0100254	0.0005	Au-ICP21	VO19103972
		At 295.5-295.75 m - a fault zone with minor gouge and microbreccia. Another fault zone is at 328.65-328.85 m.		268.00	269.00	0.00	A0100255	0.0005	Au-ICP21	VO19103972
		Veins: 1-3% white Cal and Cal-Qz veinlets, mm-cm wide, variably oriented, often fragmented, with dissolution cavities.		269.00	270.00	0.00	A0100257	0.0005	Au-ICP21	VO19103972
		Mineralization: mostly traces Py, occasional fine to med-grained aggregates in chloritized fractures and patches. Shear zones are mineralized with 1 to 5-7% Py.		270.00	271.00	0.00	A0100258	0.0005	Au-ICP21	VO19103972
		An arbitrary lower contact.		271.00	272.00	0.00	A0100259	0.0005	Au-ICP21	VO19103972
261.10	262.55	I2D; I3; PO		272.00	273.00	0.00	A0100260	0.0030	Au-ICP21	VO19103972
		Syénite 57°; Intrusif mafique; Porphyrique		273.00	274.00	0.00	A0100261	0.0030	Au-ICP21	VO19103972
		An interval with somewhat distinct contacts at 55-60CA. Syenite(?) with 10-15% dark grey mafic, completely chloritized phenocrysts in medium-grained groundmass. There is also 1-2% beige phenocrysts with wedge and hexagon shapes, possibly leucoxene-altered.		274.00	275.00	0.00	A0100262	0.0040	Au-ICP21	VO19103972
		The rock is medium reddish grey, with pervasively Hem+Cal-altered matrix. Mod-str magnetic. It is moderately sheared at 50-57CA. Mafic phenocrysts are stretched along the foliation.		275.00	276.00	0.00	A0100263	0.0005	Au-ICP21	VO19103972
		Crackle brecciation at 261.75-261.90 m with 1-2% very fine Py in fractures. Otherwise, traces Py.		276.00	277.00	0.00	A0100264	0.0005	Au-ICP21	VO19103972
261.10	262.55	HM+; CB+; CL; MG		277.00	278.00	0.00	A0100265	0.0005	Au-ICP21	VO19103972
		Hématisation +; Carbonatisation +; Chloritisation; Magnétite		278.00	279.00	0.00	A0100266	0.0005	Au-ICP21	VO19103972
		Mod-str pervasive Hem and Cal, mod-str magnetism, chloritized mafic phenocrysts, Chl and Cal in fractures. Leucoxene (?)		279.00	280.00	0.00	A0100267	0.0005	Au-ICP21	VO19103972
262.55	336.45	CL; HM; CB; MG; EP-		280.00	281.00	0.00	A0100268	0.0005	Au-ICP21	VO19103972
		Chloritisation; Hématisation; Carbonatisation; Magnétite; Épidotisation -		281.00	282.00	0.00	A0100269	0.0005	Au-ICP21	VO19103972
		Weak to moderate patchy Hem, Chl, Cal, weak patchy Ep, variably magnetic (non-magn to mod magn).		282.00	283.00	0.00	A0100270	0.0005	Au-ICP21	VO19103972
		Chl, Cal, Ep in fractures.		283.00	284.00	0.00	A0100271	0.0005	Au-ICP21	VO19103972
				284.00	285.00	0.00	A0100272	0.0005	Au-ICP21	VO19103972
				285.00	286.00	0.00	A0100274	0.0005	Au-ICP21	VO19103972
				286.00	287.00	0.00	A0100275	0.0010	Au-ICP21	VO19103972
				287.00	288.00	0.00	A0100276	0.0005	Au-ICP21	VO19103972
				288.00	289.00	0.00	A0100277	0.0005	Au-ICP21	VO19103972
				289.00	290.00	0.00	A0100278	0.0080	Au-ICP21	VO19103972
				290.00	291.00	0.00	A0100279	0.0005	Au-ICP21	VO19103972
				291.00	292.00	0.00	A0100280	0.0005	Au-ICP21	VO19103972
				292.00	293.00	0.00	A0100281	0.0005	Au-ICP21	VO19103972
				293.00	294.00	0.00	A0100282	0.0010	Au-ICP21	VO19103972
				294.00	295.00	0.00	A0100283	0.0020	Au-ICP21	VO19103972
				295.00	296.00	0.00	A0100284	0.0030	Au-ICP21	VO19103972
				296.00	297.00	0.00	A0100285	0.0005	Au-ICP21	VO19103972
				297.00	298.00	0.00	A0100286	0.0005	Au-ICP21	VO19103972
				298.00	299.00	0.00	A0100287	0.0005	Au-ICP21	VO19103972

261.10	261.75	PYtr Pyrite tr Traces Py.	299.00	300.00	0.00	A0100289	0.0005	Au-ICP21	VO19103972
			300.00	301.00	0.00	A0100290	0.0005	Au-ICP21	VO19103972
			301.00	302.00	0.00	A0100291	0.0090	Au-ICP21	VO19103972
261.75	261.90	PY02 Pyrite 2% 1-2% very fine Py in crackle breccia.	302.00	303.00	0.00	A0100292	0.0050	Au-ICP21	VO19103972
			303.00	304.00	0.00	A0100293	0.0020	Au-ICP21	VO19103972
			304.00	305.00	0.00	A0100294	0.0020	Au-ICP21	VO19103972
261.90	272.00	PYtr Pyrite tr Traces Py medium to small cubic grains in some fractures.	305.00	306.00	0.00	A0100295	0.0005	Au-ICP21	VO19103972
			306.00	307.00	0.00	A0100296	0.0005	Au-ICP21	VO19103972
			307.00	308.00	0.00	A0100297	0.0005	Au-ICP21	VO19103972
272.00	274.85	PY01.5 Pyrite 1.5% Traces to 1-3% fine to med-size cubic grains in fractures, Cal-Qz-Py stringers at 35-55CA.	308.00	309.00	0.00	A0100298	0.0140	Au-ICP21	VO19103972
			309.00	310.00	0.00	A0100299	0.0190	Au-ICP21	VO19103972
			310.00	311.00	0.00	A0100300	0.0070	Au-ICP21	VO19103972
			311.00	312.00	0.00	A0100301	0.0005	Au-ICP21	VO19103972
274.85	291.35	PYtr Pyrite tr Rare traces Py.	312.00	313.00	0.00	A0100302	0.0040	Au-ICP21	VO19103972
			313.00	314.00	0.00	A0100303	0.1120	Au-ICP21	VO19103972
			314.00	315.00	0.00	A0100305	0.0240	Au-ICP21	VO19103972
291.35	292.50	PY00.5 Pyrite 0.5% Traces to 1% Py fine to med-size cubic grains in fractures, chloritized patches.	315.00	316.00	0.00	A0100306	0.0120	Au-ICP21	VO19103972
			316.00	317.00	0.00	A0100307	0.0090	Au-ICP21	VO19103972
			317.00	318.00	0.00	A0100308	0.0030	Au-ICP21	VO19103972
			318.00	319.00	0.00	A0100309	0.0010	Au-ICP21	VO19103972
292.50	295.50	PYtr Pyrite tr Traces Py.	319.00	320.00	0.00	A0100310	0.0005	Au-ICP21	VO19103972
			320.00	321.00	0.00	A0100311	0.0005	Au-ICP21	VO19103972
			321.00	322.00	0.00	A0100312	0.0005	Au-ICP21	VO19103972
295.50	295.85	PY02 Pyrite 2% Fine-grained Py masses in some fractures/shear planes around a fault zone.	322.00	323.00	0.00	A0100313	0.0005	Au-ICP21	VO19103972
			323.00	324.00	0.00	A0100314	0.0005	Au-ICP21	VO19103972
			324.00	325.00	0.00	A0100315	0.0010	Au-ICP21	VO19103972
			325.00	326.00	0.00	A0100316	0.0010	Au-ICP21	VO19103972
295.85	303.00	PYtr Pyrite tr Rare traces Py.	326.00	327.00	0.00	A0100317	0.0010	Au-ICP21	VO19103972
			327.00	328.00	0.00	A0100318	0.0030	Au-ICP21	VO19103972
			328.00	329.00	0.00	A0100319	0.0030	Au-ICP21	VO19103972
303.00	305.00	PY00.5 Pyrite 0.5% Localized fine to med-grained Py masses chloritized patches and fractures,	329.00	330.00	0.00	A0100320	0.0090	Au-ICP21	VO19103972
			330.00	331.00	0.00	A0100322	0.0050	Au-ICP21	VO19103972
			331.00	332.00	0.00	A0100323	0.0010	Au-ICP21	VO19103972
305.00	308.00	PYtr Pyrite tr Traces Py.	332.00	333.00	0.00	A0100324	0.0005	Au-ICP21	VO19103972
			333.00	334.00	0.00	A0100325	0.0005	Au-ICP21	VO19103972
			334.00	335.00	0.00	A0100326	0.0010	Au-ICP21	VO19103972
			335.00	335.70	0.00	A0100327	0.0005	Au-ICP21	VO19103972
			335.70	336.45	0.00	A0100328	0.0005	Au-ICP21	VO19103972

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
336.45	354.00	TU2 Tuf intermédiaire Intermediate to mafic Tuff with 30% lapilli to block-size fragments. The matrix is fine-grained, medium to pale grey/greenish grey, weakly chloritized and carbonatized, mod hard. The fragments are beige-grey to pinkish beige, medium-grained, with rather distinct contours and sub-elongate to irregular shapes. From 336.45 to 343.60 m - weak-mod magnetic, weak-mod sheared with foliation developed at 50-55CA, with 1-3% fragmented calcite veinlets. From 343.60 to 347.55 m - bleached, pervasively carbonatized, sericitized and silicified, non-magnetic. The foliation is less pronounced. From 347.55 to 354.00 m - non-bleached, non-sheared, wk-mod magnetic. Mineralization: traces to 1% Py fine disseminated grains, in some Cal-Qz veinlets; in bleached zone up to 5%.	336.45	337.00	0.00	A0100329	0.0010	Au-ICP21	VO19103972
			337.00	338.00	0.00	A0100330	0.0005	Au-ICP21	VO19103972
			338.00	339.00	0.00	A0100331	0.0005	Au-ICP21	VO19103972
			339.00	340.00	0.00	A0100332	0.0005	Au-ICP21	VO19103972
			340.00	341.00	0.00	A0100333	0.0005	Au-ICP21	VO19103972
			341.00	342.00	0.00	A0100334	0.0010	Au-ICP21	VO19103972
			342.00	343.00	0.00	A0100335	0.0020	Au-ICP21	VO19103972
			343.00	344.00	0.00	A0100337	0.0030	Au-ICP21	VO19103972
			344.00	345.00	0.00	A0100338	0.0030	Au-ICP21	VO19103972
			345.00	346.00	0.00	A0100339	0.0020	Au-ICP21	VO19103972
			346.00	347.00	0.00	A0100340	0.0030	Au-ICP21	VO19103972
			347.00	348.00	0.00	A0100341	0.0030	Au-ICP21	VO19103972
			348.00	349.00	0.00	A0100342	0.0010	Au-ICP21	VO19103972
			349.00	350.00	0.00	A0100343	0.0020	Au-ICP21	VO19103972
			350.00	351.00	0.00	A0100344	0.0020	Au-ICP21	VO19103972
			351.00	352.00	0.00	A0100345	0.0010	Au-ICP21	VO19103972
336.45	343.60	CB+; CL-; MG; ST--; HM-- Carbonatisation +; Chloritisation -; Magnétite; Serpentinisation --; Hémati Moderate patchy to pervasive Cal, weak pervasive to patchy Chl, minor fibrous Ser in fractures. Locally weak patchy Hem. Non-magn to wk-mod magnetic.	352.00	353.00	0.00	A0100346	0.0005	Au-ICP21	VO19103972
			353.00	354.00	0.00	A0100347	0.0010	Au-ICP21	VO19103972
343.60	347.55	SR; CB; Si Séricitisation; Carbonatisation; Silicification Intensely bleached interval, pervasive Cal/Carb, Sil, fibrous Ser. Non-magnetic.							
347.55	354.00	CB; CL; HM- Carbonatisation; Chloritisation; Hématitisation - Weak to moderate patchy Cal. weak pervasive to patchy Chl in matrix, weak Hem in lapilli fragments. Non-magnetic.							
336.45	340.15	PYtr Pyrite tr Traces Py.							
340.15	343.60	PY02 Pyrite 2% 0.5-3% fine to med-size Py diss cubic grains.							

343.60	348.20	PY03	
		Pyrite 3%	
		MINERALIZED ZONE	
		2-5% fine to med-size Py cubic grains, disseminated in a bleached zone.	
348.20	354.00	PY01	
		Pyrite 1%	
		0.5-2% Py fine to med cubic diss grains and aggregates in fractures; the amount of Py gradually decreases downhole to tr-0.5%.	
336.45	344.00	CS	52
		Cisaillé(e) 52°	
		Weak-mod shearing with foliation developed at 50-55CA.	
344.00	348.00	CS-	52
		Cisaillé(e)- 52°	
		Weak shearing ar 50-55CA defined by fibrous sericite.	

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	358.30	-51.50	Collar	48.00	359.61	-51.62	Reflex EZ-Gyro	63.00	358.52	-51.53	Reflex EZ-Gyro
78.00	359.26	-51.34	Reflex EZ-Gyro	93.00	359.47	-51.16	Reflex EZ-Gyro	108.00	358.70	-50.98	Reflex EZ-Gyro
123.00	357.95	-50.89	Reflex EZ-Gyro	138.00	358.85	-50.75	Reflex EZ-Gyro	153.00	359.44	-50.54	Reflex EZ-Gyro
168.00	0.59	-50.41	Reflex EZ-Gyro	183.00	1.42	-50.32	Reflex EZ-Gyro	204.00	358.34	-50.12	Reflex EZ-Gyro
219.00	356.92	-49.95	Reflex EZ-Gyro	234.00	359.31	-49.78	Reflex EZ-Gyro	249.00	0.35	-49.39	Reflex EZ-Gyro
264.00	2.50	-49.19	Reflex EZ-Gyro	279.00	2.15	-48.82	Reflex EZ-Gyro	312.00	4.58	-48.37	Reflex EZ-Gyro
327.00	6.01	-47.96	Reflex EZ-Gyro	342.00	6.85	-47.46	Reflex EZ-Gyro				

Drillhole Information

Easting: 705937.00
Northing: 5491023.00
Elevation: 288.00
Azimuth 356.70
Dip -61.30

Drilling Information

DrillCo: Pikogan
DrillID: PK1
DrillStart: 27-Mar-19
DrillEnd: 29-Mar-19
Length (m): 180.00

Logging Information

LogBy: C. Gagnier (OGQ #1068)
LogStart: 03-Mar-19
LogEnd: 29-Mar-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro was during drilling; the distances recorded in the table are corrected values, which are 3 m less than that recorded in the download file.

Résumé du trou:

Forage DO-19-256, zone porphyre. Azimut: 356.7 degrés, plongée: -61.3 degrés. Longueur planifiée: 180m. Longueur finale: 180m. Section: 705900E.

Objectifs du forage:

Ce trou visait à vérifier l'existence vers l'est d'une zone minéralisée déterminée sur la section 705800E par le trou 70586-0 (0.98 g/t Au sur 13.6m) en vue d'une éventuelle fosse à ciel ouvert. La cible était de 35m à 150m.

Résultats: après le mort-terrain se terminant à 34.5m, le trou est entièrement dans la syénite (jusqu'à la fin à 180m). Celle-ci est localement porphyrique, localement magnétique. Composée essentiellement de feldspaths, souvent poreuse.

De 80.4m à 105.6m nous avons un mélange de 75% syénite et 25% basalte; cette zone de mélange se révèle être la plus intéressante économiquement.
De 143 à 180m, la roche est extrêmement calcifiée.

Deux failles caractérisées par des zones fracturées sont traversées : 1) de 116.5 à 122m puis 2) de 138.6m à 150.5m.

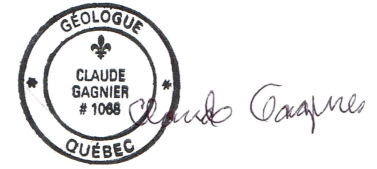
Minéralisé de 51.4 à 117.7m avec une moyenne de 0.5% de pyrite disséminée et en veinules dans des bandes grises de carbonates de 1 à 30cm généralement orientées à 50 degrés par rapport à l'axe de la carotte. Traces de chalcopryrite. Une zone plus riche (1.5% pyrite) est interceptée de 72 à 91m.

Conclusions:

Ce trou confirme l'existence d'une zone économiquement intéressante (du moins visuellement) juste en dessous du mort-terrain.

Results:

51.4 - 66 m: 0.796 ppm Au/14.6 m
72 - 93 m: 1.248 ppm Au/21 m
102 - 120 m: 0.414 ppm Au/18 m



C. Gagnier (OGQ #1068)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	34.50	M-T Mort terrain Casing à 34.5m							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
34.50	49.90	I2D Syénite 40° Syénite stérile de couleur grise à rouge brique, constituée essentiellement de feldspaths, non porphyrique, plutôt massive et riche en titanite noire, automorphe en forme de losanges de 0.5 à 2mm (traces à localement 1%). Contact inférieur graduel sur 10cm.	34.50	36.00	0.00	V468001	0.1580	Au-ICP21	VO19091113
			36.00	37.00	0.00	V468002	0.1660	Au-ICP21	VO19091113
			37.00	38.00	0.00	V468003	0.1370	Au-ICP21	VO19091113
			38.00	39.00	0.00	V468004	0.0660	Au-ICP21	VO19091113
			39.00	40.00	0.00	V468005	0.0040	Au-ICP21	VO19091113
39.25	40.00	I2D; PO Syénite; Porphyrique 50% de phénocristaux feldspathiques oranges à blanchâtres de 0.5 à 1cm.	40.00	41.00	0.00	V468006	0.0370	Au-ICP21	VO19091113
			41.00	42.00	0.00	V468007	0.0610	Au-ICP21	VO19091113
			42.00	43.00	0.00	V468009	0.0460	Au-ICP21	VO19091113
34.50	49.90	HM; CL Hématisation; Chloritisation Moyennement hématisé, faiblement chloritisé.	43.00	44.00	0.00	V468010	0.0210	Au-ICP21	VO19091113
			44.00	45.00	0.00	V468011	0.0580	Au-ICP21	VO19091113
			45.00	46.00	0.00	V468012	0.0870	Au-ICP21	VO19091113
			46.00	47.00	0.00	V468013	0.0530	Au-ICP21	VO19091113
			47.00	48.00	0.00	V468014	0.0180	Au-ICP21	VO19091113
40.00	41.50	CS Cisaillé(e) 40°	48.00	49.00	0.00	V468015	0.0190	Au-ICP21	VO19091113
			49.00	49.90	0.00	V468016	0.0550	Au-ICP21	VO19091113
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate

49.90	80.40	I2D; PO Syénite; Porphyrique Contact supérieur graduel sur 10cm. Syénite de couleur rouge brique, porphyrique (phénocristaux feldspatiques de 0.5 à 1cm), à veinules de fluorine violacée et de carbonate/quartz. Localement poreuse (cavités miarolitiques), bréchifiée et minéralisée. 1% de veinules de 1 à 30mm de carbonates/quartz/albite fréquemment orientées de 30 à 50 degrés. Contact inférieur graduel sur 30cm.	49.90	50.60	0.00	V468017	0.0100	Au-ICP21	VO19091113
			50.60	51.40	0.00	V468018	0.0270	Au-ICP21	VO19091113
			51.40	52.00	0.00	V468019	0.1970	Au-ICP21	VO19091113
			52.00	53.00	0.00	V468020	0.2470	Au-ICP21	VO19091113
			53.00	54.00	0.00	V468021	0.0560	Au-ICP21	VO19091113
			54.00	55.00	0.00	V468022	0.2130	Au-ICP21	VO19091113
			55.00	56.00	0.00	V468023	1.1200	Au-ICP21	VO19091113
			56.00	57.00	0.00	V468024	0.2730	Au-ICP21	VO19091113
			57.00	58.00	0.00	V468026	0.2550	Au-ICP21	VO19091113
49.90	80.40	HM; CB-FL; AB Hématisation; Carbonate-fluorite; Albitisation Forte hématisation. Faible carbonatisation et albitisation.	58.00	59.00	0.00	V468027	0.0390	Au-ICP21	VO19091113
			59.00	60.00	0.00	V468028	0.4180	Au-ICP21	VO19091113
51.40	117.70	PY00.5; CPtr Pyrite 0.5%; Chalcopyrite tr Minéralisation irrégulière. De 0% à 5% (moyenne: 0.5%) de pyrite disséminée et en veinules dans des bandes grises de carbonates de 1 à 30mm. Traces de chalcopyrite. De 72 à 91m: zone plus riche avec 1.5% pyrite.	60.00	61.00	0.00	V468029	0.4570	Au-ICP21	VO19091113
			61.00	62.00	0.00	V468030	0.4530	Au-ICP21	VO19091113
			62.00	63.00	0.00	V468031	0.5870	Au-ICP21	VO19091113
			63.00	64.00	0.00	V468032	0.1590	Au-ICP21	VO19091113
			64.00	65.00	0.00	V468033	2.2000	Au-ICP21	VO19091113
			65.00	66.00	0.00	V468034	5.0300	Au-ICP21	VO19091113
			66.00	67.00	0.00	V468035	0.0190	Au-ICP21	VO19091113
			67.00	68.00	0.00	V468036	0.0130	Au-ICP21	VO19091113
			68.00	69.00	0.00	V468037	0.0140	Au-ICP21	VO19091113
			69.00	70.00	0.00	V468038	0.0900	Au-ICP21	VO19091113
			70.00	71.00	0.00	V468039	0.0080	Au-ICP21	VO19091113
			71.00	72.00	0.00	V468041	0.0790	Au-ICP21	VO19091113
			72.00	73.00	0.00	V468042	0.2240	Au-ICP21	VO19091113
			73.00	74.00	0.00	V468043	0.3090	Au-ICP21	VO19091113
			74.00	75.00	0.00	V468044	0.1320	Au-ICP21	VO19091113
			75.00	76.00	0.00	V468045	0.1470	Au-ICP21	VO19091113
			76.00	77.00	0.00	V468046	0.2100	Au-ICP21	VO19091113
			77.00	78.00	0.00	V468047	1.1350	Au-ICP21	VO19091113
			78.00	79.00	0.00	V468048	5.0600	Au-ICP21	VO19091113
			79.00	79.70	0.00	V468049	1.3550	Au-ICP21	VO19091113
			79.70	80.40	0.00	V468050	0.1320	Au-ICP21	VO19091113

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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80.40	105.60	I2D (V3B); PO Syénite avec 5 à 25% de basalte; Porphyrique Contact supérieur graduel sur 30cm. Syénite composée essentiellement de feldspaths, multiphases, hétérogène de couleur rouge à verdâtre contenant moins de 25% d'injections de basalte, non porphyrique. Minéralisé. Localement poreux avec cavités miarolitiques. Contact inférieur net à 60 degrés.	80.40	81.00	0.00	V468051	8.4900	Au-ICP21	VO19091113
			81.00	82.00	0.00	V468052	4.3800	Au-ICP21	VO19091113
			82.00	83.00	0.00	V468053	1.9600	Au-ICP21	VO19091113
			83.00	84.00	0.00	V468054	0.3180	Au-ICP21	VO19091113
			84.00	85.00	0.00	V468055	0.4850	Au-ICP21	VO19091113
			85.00	86.00	0.00	V468057	1.0800	Au-ICP21	VO19091113
			86.00	87.00	0.00	V468058	1.2050	Au-ICP21	VO19091113
			87.00	88.00	0.00	V468059	1.0050	Au-ICP21	VO19091113
80.40	93.00	HM; CL; CB Hématisation; Chloritisation; Carbonatation Altération moyenne.	88.00	89.00	0.00	V468060	0.6180	Au-ICP21	VO19091113
			89.00	90.00	0.00	V468061	0.2820	Au-ICP21	VO19091113
93.00	114.50	HM; CB Hématisation; Carbonatation Forte hématisation. Faible à moyenne carbonatation.	90.00	91.00	0.00	V468062	0.2730	Au-ICP21	VO19091113
			91.00	92.00	0.00	V468063	0.1760	Au-ICP21	VO19091113
			92.00	93.00	0.00	V468064	1.0700	Au-ICP21	VO19091113
			93.00	94.00	0.00	V468065	0.0290	Au-ICP21	VO19091113
			94.00	95.00	0.00	V468066	0.0190	Au-ICP21	VO19091113
			95.00	96.00	0.00	V468067	0.1880	Au-ICP21	VO19091113
			96.00	97.00	0.00	V468068	0.0230	Au-ICP21	VO19091113
			97.00	98.00	0.00	V468069	0.0470	Au-ICP21	VO19091113
			98.00	99.00	0.00	V468070	0.0460	Au-ICP21	VO19091113
			99.00	100.00	0.00	V468071	0.0050	Au-ICP21	VO19091113
			100.00	101.00	0.00	V468072	0.0100	Au-ICP21	VO19091113
			101.00	102.00	0.00	V468074	0.0060	Au-ICP21	VO19091113
			102.00	103.00	0.00	V468075	0.1500	Au-ICP21	VO19091113
			103.00	104.00	0.00	V468076	0.2330	Au-ICP21	VO19091113
			104.00	105.00	0.00	V468077	0.8210	Au-ICP21	VO19091113
			105.00	105.60	0.00	V468078	5.2100	Au-ICP21	VO19091113

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
105.60	114.50	I2D Syénite Contact supérieur franc à 60 degrés. Syénite porphyrique rouge formée essentiellement de feldspaths. Porosité élevée formée par le lessivage de veinules de calcite-fluorine. Faiblement minéralisé. Contact inférieur formé par une zone noirâtre fortement carbonatisée (calcite et dolomite).	105.60	106.30	0.00	V468079	1.1950	Au-ICP21	VO19091113
			106.30	107.00	0.00	V468080	0.0840	Au-ICP21	VO19091113
			107.00	108.00	0.00	V468081	0.0190	Au-ICP21	VO19091113
			108.00	109.00	0.00	V468082	0.1890	Au-ICP21	VO19091113
			109.00	110.00	0.00	V468083	0.0270	Au-ICP21	VO19091113
			110.00	111.00	0.00	V468084	0.3780	Au-ICP21	VO19091113
			111.00	112.00	0.00	V468085	0.2270	Au-ICP21	VO19091113
			112.00	113.00	0.00	V468086	0.0210	Au-ICP21	VO19091113
			113.00	113.80	0.00	V468087	0.1320	Au-ICP21	VO19091113
			113.80	114.50	0.00	V468089	0.0530	Au-ICP21	VO19091113

From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate
114.50	143.00	I2D		114.50	115.20	0.00	V468090	0.0060	Au-ICP21	VO19091113
		Syénite		115.20	116.00	0.00	V468091	0.0060	Au-ICP21	VO19091113
		Contact supérieur formé par un intervalle noirâtre fortement carbonatisé (calcite et dolomite). Syénite hétérogène de couleur rouge brique à noirâtre, localement magnétique, fracturée et poreuse, formée essentiellement de feldspaths, non porphyrique. Fortement carbonatisé et hématisé. Seul le contact supérieur est légèrement minéralisé. La couleur noirâtre est formée par un mélange de minéraux mafiques: chlorite, magnétite montrant des formes isométriques partiellement hématisée, carbonates foncés (veinules grises ou formant une matrice à grain fin noire). Contact inférieur net à 40 degrés.		116.00	117.00	0.00	V468092	0.5890	Au-ICP21	VO19091113
				117.00	117.70	0.00	V468093	0.4530	Au-ICP21	VO19091113
				117.70	118.30	0.00	V468094	0.0170	Au-ICP21	VO19091113
				118.30	119.00	0.00	V468095	0.0610	Au-ICP21	VO19091113
				119.00	120.00	0.00	V468096	0.2590	Au-ICP21	VO19091113
				120.00	121.00	0.00	V468097	0.0770	Au-ICP21	VO19091113
				121.00	122.00	0.00	V468098	0.0820	Au-ICP21	VO19091113
				122.00	123.00	0.00	V468099	0.0700	Au-ICP21	VO19091113
				123.00	124.00	0.00	V468100	0.0150	Au-ICP21	VO19091113
114.50	143.00	HM; CB; CL		124.00	125.00	0.00	V468101	0.0150	Au-ICP21	VO19091113
		Hématisation; Carbonatisation; Chloritisation		125.00	126.00	0.00	V468102	0.0160	Au-ICP21	VO19091113
		Forte hématisation et carbonatisation. Faible chloritisation.		126.00	127.00	0.00	V468103	0.0120	Au-ICP21	VO19091113
				127.00	128.00	0.00	V468105	0.0320	Au-ICP21	VO19091113
116.50	122.00	FA		128.00	129.00	0.00	V468106	0.0110	Au-ICP21	VO19091113
		Fracturé(e)		129.00	130.00	0.00	V468107	0.0390	Au-ICP21	VO19091113
		Moyennement fracturé.		130.00	131.00	0.00	V468108	0.1030	Au-ICP21	VO19091113
129.10	129.25	CS	40	131.00	132.00	0.00	V468109	0.0310	Au-ICP21	VO19091113
		Cisaillé(e) 40°		132.00	133.00	0.00	V468110	0.0090	Au-ICP21	VO19091113
		Lamines de dolomite couleur crème.		133.00	134.00	0.00	V468111	0.0100	Au-ICP21	VO19091113
134.50	137.00	CS	40	134.00	135.00	0.00	V468112	0.0100	Au-ICP21	VO19091113
		Cisaillé(e) 40°		135.00	136.00	0.00	V468113	0.0100	Au-ICP21	VO19091113
		Lamines de chlorite/carbonate.		136.00	137.00	0.00	V468114	0.0030	Au-ICP21	VO19091113
				137.00	138.00	0.00	V468115	0.0740	Au-ICP21	VO19091113
				138.00	139.00	0.00	V468116	0.0510	Au-ICP21	VO19091113
				139.00	140.00	0.00	V468117	0.2290	Au-ICP21	VO19091113
				140.00	141.00	0.00	V468118	0.0150	Au-ICP21	VO19091113
				141.00	142.00	0.00	V468119	0.0110	Au-ICP21	VO19091113
				142.00	143.00	0.00	V468120	0.0080	Au-ICP21	VO19091113
From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate

143.00	180.00	I2D		143.00	144.00	0.00	V468122	0.0190	Au-ICP21	VO19091113
		Syénite		144.00	145.00	0.00	V468123	0.0160	Au-ICP21	VO19091113
		Contact supérieur net à 40 degrés. Syénite fortement carbonatisée ?		145.00	146.00	0.00	V468124	0.0100	Au-ICP21	VO19091113
		Carbonatite ? Intrusif dont la couleur passe de rouge brique/gris moyen à		146.00	147.00	0.00	V468125	0.0220	Au-ICP21	VO19091113
		progressivement gris pâle/rose pâle légèrement verdâtre. Fortement		147.00	148.00	0.00	V468126	0.0280	Au-ICP21	VO19091113
		carbonatisé, faiblement chloritisé. Ressemble à un marbre à grain fin: aspect		148.00	149.00	0.00	V468127	0.0040	Au-ICP21	VO19091113
		marbré. L'unité montre régulièrement des passages ou des lambeaux de		149.00	150.00	0.00	V468128	0.0160	Au-ICP21	VO19091113
		syénite rougeâtre, est poreuse (cavités de dissolution dans la calcite avec		150.00	151.00	0.00	V468129	0.0220	Au-ICP21	VO19091113
		redéposition de fluorine violacée). Non magnétique (sauf un court intervalle		151.00	152.00	0.00	V468130	0.0090	Au-ICP21	VO19091113
		faiblement magnétique de 146.2 à 146.8m). Ce magnétisme est dû à de la		152.00	153.00	0.00	V468131	0.0100	Au-ICP21	VO19091113
		magnétite presque complètement hématisée (comme dans les unités		153.00	154.00	0.00	V468132	0.0070	Au-ICP21	VO19091113
		précédentes). Non minéralisé.		154.00	155.00	0.00	V468133	0.0050	Au-ICP21	VO19091113
		FIN DU TROU À 180m		155.00	156.00	0.00	V468134	0.0220	Au-ICP21	VO19091113
				156.00	157.00	0.00	V468135	0.0010	Au-ICP21	VO19091113
143.00	180.00	CB		157.00	158.00	0.00	V468137	0.0120	Au-ICP21	VO19091113
		Carbonatisation		158.00	159.00	0.00	V468138	0.0210	Au-ICP21	VO19091125
		Fortement carbonatisé.		159.00	160.00	0.00	V468139	0.0005	Au-ICP21	VO19091125
				160.00	161.00	0.00	V468140	0.0060	Au-ICP21	VO19091125
138.60	150.50	FA		161.00	162.00	0.00	V468141	0.0310	Au-ICP21	VO19091125
		Fracturé(e)		162.00	163.00	0.00	V468142	0.3050	Au-ICP21	VO19091125
		Moyennement fracturé.		163.00	164.00	0.00	V468143	0.3520	Au-ICP21	VO19091125
				164.00	165.00	0.00	V468144	0.0120	Au-ICP21	VO19091125
				165.00	166.00	0.00	V468145	0.0090	Au-ICP21	VO19091125
				166.00	167.00	0.00	V468146	0.0030	Au-ICP21	VO19091125
				167.00	168.00	0.00	V468147	0.0020	Au-ICP21	VO19091125
				168.00	169.00	0.00	V468148	0.0005	Au-ICP21	VO19091125
				169.00	170.00	0.00	V468149	0.0005	Au-ICP21	VO19091125
				170.00	171.00	0.00	V468150	0.0300	Au-ICP21	VO19091125
				171.00	172.00	0.00	V468151	0.0060	Au-ICP21	VO19091125
				172.00	173.00	0.00	V468153	0.0005	Au-ICP21	VO19091125
				173.00	174.00	0.00	V468154	0.0030	Au-ICP21	VO19091125
				174.00	175.00	0.00	V468155	0.0040	Au-ICP21	VO19091125
				175.00	176.00	0.00	V468156	0.0070	Au-ICP21	VO19091125
				176.00	177.00	0.00	V468157	0.0120	Au-ICP21	VO19091125
				177.00	178.00	0.00	V468158	0.0080	Au-ICP21	VO19091125
				178.00	179.00	0.00	V468159	0.0080	Au-ICP21	VO19091125
				179.00	180.00	0.00	V468160	0.0070	Au-ICP21	VO19091125

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	356.70	-61.30	Collar	48.00	354.85	-58.04	Reflex EZ-Gyro	63.00	354.56	-58.00	Reflex EZ-Gyro
78.00	355.15	-57.89	Reflex EZ-Gyro	93.00	354.34	-57.78	Reflex EZ-Gyro	108.00	355.89	-57.82	Reflex EZ-Gyro
123.00	356.64	-57.79	Reflex EZ-Gyro	138.00	356.77	-57.71	Reflex EZ-Gyro	177.00	356.60	-57.56	Reflex EZ-Gyro

Drillhole Information

Easting: 705203.00
Northing: 5491325.00
Elevation: 286.00
Azimuth 356.70
Dip -48.30

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-81
DrillStart: 30-Mar-19
DrillEnd: 10-Apr-19
Length (m): 675.00

Logging Information

LogBy: A. Peshkepia (OGQ #2143)
LogStart: 31-Mar-19
LogEnd: 11-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro was during drilling; the distances recorded in the table are corrected values, which are 3 m less than that recorded in the download file; ERD (earth rate data) was recorded manually. Some results that were recoded manually do not exist in the download file, and vice versa.

This drillhole intersected syenite with minor sheared basalt sections and 5-15% pyrite from 53 to 64m. From 64 to 112m syenite with 25-50% basalt strongly deformed, sheared, fractured. 1-5% Py. From 100 to 108m 5-10% py. From 112 to 166m interval of mix basalt syenite in similar amounts. Overall 3% pyrite up to 5% over short sections.

166-295.3 syenite generally fine grained equigranular syenite with porphyritic intervals with pervasive carbonate alteration and 1-2% very fine grained disseminated pyrite. 246-248 5% pyrite as aggregates. From 280-295m fault zone in syenite followed from 295 to 321m by a reddish coarse grained porphyritic syenite.

The main Mineralized Zone extends potentially from 321 to 381m and is located at the brecciated and altered contact between the main syenite body uphole and a mix syenite and basalt interval downhole: From 321 to 359m medium to dark grey, brecciated syenite, pervasive silicification and carbonate alteration with 5-10% pyrite.

From 359-381m sheared brecciated syenite with 2% very fine disseminated pyrite. From 381 to 442 syenite with 5-10% basalt contamination with 5-15% Py over up to 1m long intervals at 397-402, 403-404 and 406-407m.

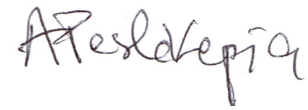
From 442 to 501m syenite with 5% basalt contamination and 1-2% Pyrite.

A second potential Mineralized Interval occurs between 470 and 490m within a brecciated syenite section with 3-5% pyrite. From 501 to 556m syenite with 25% basalt contamination and pervasive silicification and carbonatisation, 2% pyrite locally up to 10% at 539-540m. From 540 to 627m mix of basalt and syenite interval. Basaltic sections moderately magnetic. The hole ends in a sheared yellowish-green dacite or felsic tuff with 2-3% very fine disseminated pyrite down to 648m.

Results:

52.5 - 53.25 m: 0.447 ppm Au/0.75 m
 185 - 187 m: 0.256 ppm Au/2 m
 216 - 218 m: 0.304 ppm Au/2 m
 378 - 383 m: 0.327 ppm Au/5 m
 388 - 476 m: 0.351 ppm Au/88 m
 488 - 514 m: 0.405 ppm Au/26 m

522 - 524 m: 0.304 ppm Au/2 m
557 - 559 m: 0.332 ppm Au/2 m
563 - 578 m: 0.263 ppm Au/15 m
585 - 586 m: 0.31 ppm Au/1 m
595 - 598 m: 2.645 ppm Au/3 m
621 - 631 m: 0.314 ppm Au/10 m
638 - 663 m: 0.254 ppm Au/25 m



A. Peshkepia (OGQ #2143)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	53.00	M-T Mort terrain Overburden.	52.50	53.25	0.00	A0100348	0.4470	Au-ICP21	VO19103972

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
53.00	64.20	I2D Syénite Fine to medium grained reddish-brown syenite. Strong fracturing, blocky core from 58 to 61.5. Strong pervasive carbonate alteration as well as discrete carbonate veins and veinlets 2-10cm from 60 to 62m. 0.0 to 1-5m long grey sheared interval possible basalt contamination from 59.3 to 63.2. Sharp lower contact at 70 degrees tca.	53.25	54.00	0.00	A0100349	0.0890	Au-ICP21	VO19103972
			54.00	55.00	0.00	A0100350	0.0980	Au-ICP21	VO19103972
			55.00	56.00	0.00	A0100351	0.0570	Au-ICP21	VO19103972
			56.00	57.00	0.00	A0100353	0.0450	Au-ICP21	VO19103972
			57.00	58.00	0.00	A0100354	0.1050	Au-ICP21	VO19103972
			58.00	59.00	0.00	A0100355	0.0570	Au-ICP21	VO19103972
			59.00	60.00	0.00	A0100356	0.0460	Au-ICP21	VO19103972
			60.00	61.00	0.00	A0100357	0.0190	Au-ICP21	VO19103972
			61.00	62.00	0.00	A0100358	0.0280	Au-ICP21	VO19103972
53.00	64.20	PY5-15% Pyrite 5-15% 5-15% fine grained pyrite aggregates in fractures.	62.00	63.00	0.00	A0100359	0.0450	Au-ICP21	VO19103972
			63.00	64.20	0.00	A0100360	0.0740	Au-ICP21	VO19103972
59.00	63.00	CS Cisaillé(e) Fractured and moderately sheared basalt contaminated interval at 35 to 60 degrees tca.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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64.20	112.35	I2D V3B Syénite avec 25 à 50% de basalte Light to medium grey with minor reddish section near the upper contact medium grained syenite with strongly carbonatized intervals (probably bleached basalt?), ~50-50%. Interval is strongly deformed – fractured, sheared, in parts brecciated mainly from upper contact to 69.5 and from 87.4 to 96. At 89.2 and from 93.8 to 94.35 and at 95.5 graphitic sections with aggregates of fine grained py. The amount of pyrite increases to 8-10% from 100 to 104.5. A 50cm brecciated possibly fault breccia at 103m. Pervasive strong carbonate alteration. Carbonatite veins 10-20cm from 107 to the lower contact. Lower contact sharp at 15 degrees tca.	64.20	65.10	0.00	A0100361	0.0380	Au-ICP21	VO19103972
			65.10	66.00	0.00	A0100362	0.0880	Au-ICP21	VO19103972
			66.00	67.00	0.00	A0100363	0.1010	Au-ICP21	VO19103972
			67.00	68.00	0.00	A0100364	0.1810	Au-ICP21	VO19103972
			68.00	69.00	0.00	A0100365	0.2140	Au-ICP21	VO19103972
			69.00	70.00	0.00	A0100366	0.1950	Au-ICP21	VO19103972
			70.00	71.00	0.00	A0100367	0.1840	Au-ICP21	VO19103972
			71.00	72.00	0.00	A0100368	0.0540	Au-ICP21	VO19103972
			72.00	73.00	0.00	A0100370	0.0430	Au-ICP21	VO19103972
			73.00	74.00	0.00	A0100371	0.0300	Au-ICP21	VO19103972
			74.00	75.00	0.00	A0100372	0.0520	Au-ICP21	VO19103972
			75.00	76.00	0.00	A0100373	0.0610	Au-ICP21	VO19103972
			76.00	77.00	0.00	A0100374	0.1120	Au-ICP21	VO19103972
64.20	100.00	PY1-5 Pyrite 1-5 1-5% up to 15% locally fine-grained Py aggregates in fractures.	77.00	78.00	0.00	A0100375	0.0510	Au-ICP21	VO19103972
			78.00	79.00	0.00	A0100376	0.0220	Au-ICP21	VO19103972
100.00	104.50	PY10 Pyrite 10% 10 % pyrite as veinlets and fine dissemination mainly from 100 to 102m and from 102.7 to 104m.	79.00	80.00	0.00	A0100377	0.0180	Au-ICP21	VO19103972
			80.00	81.00	0.00	A0100378	0.0050	Au-ICP21	VO19103972
			81.00	82.00	0.00	A0100379	0.0040	Au-ICP21	VO19103982
			82.00	83.00	0.00	A0100380	0.0050	Au-ICP21	VO19103982
107.20	108.50	PY05 Pyrite 5% 5% pyrite as veinlets along discrete 10-30cm sheared intervals and as aggregates.	83.00	84.00	0.00	A0100381	0.0020	Au-ICP21	VO19103982
			84.00	85.00	0.00	A0100382	0.0030	Au-ICP21	VO19103982
			85.00	86.00	0.00	A0100383	0.0050	Au-ICP21	VO19103982
			86.00	87.00	0.00	A0100385	0.0090	Au-ICP21	VO19103982
			87.00	88.00	0.00	A0100386	0.0280	Au-ICP21	VO19103982
63.00	112.35	CS Cisaillé(e) Sheared syenite with numerous discrete strongly sheared sections <50cm wide between 30 and 50 degrees tca.	88.00	89.00	0.00	A0100387	0.0210	Au-ICP21	VO19103982
			89.00	90.00	0.00	A0100388	0.0270	Au-ICP21	VO19103982
			90.00	91.00	0.00	A0100389	0.0390	Au-ICP21	VO19103982
			91.00	92.00	0.00	A0100390	0.0930	Au-ICP21	VO19103982
			92.00	93.00	0.00	A0100391	0.0400	Au-ICP21	VO19103982
			93.00	93.80	0.00	A0100392	0.0400	Au-ICP21	VO19103982
			93.80	94.80	0.00	A0100393	0.1310	Au-ICP21	VO19103982
			94.80	95.60	0.00	A0100394	0.2500	Au-ICP21	VO19103982
			95.60	96.40	0.00	A0100395	0.0250	Au-ICP21	VO19103982
			96.40	97.20	0.00	A0100396	0.0280	Au-ICP21	VO19103982
			97.20	98.10	0.00	A0100397	0.0490	Au-ICP21	VO19103982
			98.10	99.00	0.00	A0100398	0.0400	Au-ICP21	VO19103982
			99.00	100.00	0.00	A0100399	0.0340	Au-ICP21	VO19103982
			100.00	101.00	0.00	A0100401	0.0360	Au-ICP21	VO19103982

101.00	102.00	0.00	A0100402	0.0230	Au-ICP21	VO19103982
102.00	103.00	0.00	A0100403	0.0550	Au-ICP21	VO19103982
103.00	104.00	0.00	A0100404	0.0620	Au-ICP21	VO19103982
104.00	105.00	0.00	A0100405	0.0410	Au-ICP21	VO19103982
105.00	106.00	0.00	A0100406	0.0070	Au-ICP21	VO19103982
106.00	107.00	0.00	A0100407	0.0140	Au-ICP21	VO19103982
107.00	108.00	0.00	A0100409	0.0110	Au-ICP21	VO19103982
108.00	109.00	0.00	A0100410	0.0090	Au-ICP21	VO19103982
109.00	110.00	0.00	A0100411	0.0070	Au-ICP21	VO19103982
110.00	110.80	0.00	A0100412	0.0020	Au-ICP21	VO19103982
110.80	111.50	0.00	A0100413	0.0050	Au-ICP21	VO19103982
111.50	112.35	0.00	A0100414	0.0010	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
112.35	112.92	I4Q Carbonatite Massive carbonatite vein with specks of hematite alteration. Lower contact sharp at 55 degrees tca.	112.35	112.92	0.00	A0100415	0.0030	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
112.92	130.07	V3B I2D Basalte avec 25 à 50% de syénite Grey to dark reddish-brown to dark green, strongly magnetic sheared basalt with 25-30% syenite contamination. Pervasive leucoxene and carbonate alteration. From 118.37 to 118.65 carbonatite vein at 70 degrees tca. Aggregates of fine grained pyrite along the edges of the carbonate veins from 113 to115.5m. From 118.65m to the lower contact strongly magnetic greenish-grey basalt with reddish-brown hematite alteration. 1-3% fine grained pyrite along carbonite veinlets in a moderately sheared interval from 124.5 to126m. Lower contact sharp at 60 degrees tca.	112.92	114.00	0.00	A0100416	0.0040	Au-ICP21	VO19103982
			114.00	115.00	0.00	A0100417	0.0010	Au-ICP21	VO19103982
			115.00	116.00	0.00	A0100418	0.0030	Au-ICP21	VO19103982
			116.00	116.90	0.00	A0100419	0.0020	Au-ICP21	VO19103982
			116.90	117.80	0.00	A0100420	0.0010	Au-ICP21	VO19103982
			117.80	118.65	0.00	A0100421	0.0010	Au-ICP21	VO19103982
			118.65	119.65	0.00	A0100422	0.0005	Au-ICP21	VO19103982
			119.65	120.70	0.00	A0100423	0.0010	Au-ICP21	VO19103982
			120.70	121.80	0.00	A0100424	0.0005	Au-ICP21	VO19103982
			121.80	122.90	0.00	A0100426	0.0010	Au-ICP21	VO19103982
			122.90	124.00	0.00	A0100427	0.0010	Au-ICP21	VO19103982
113.00	115.50	PY05 Pyrite 5%	124.00	125.00	0.00	A0100428	0.0020	Au-ICP21	VO19103982
			125.00	126.00	0.00	A0100429	0.0020	Au-ICP21	VO19103982

3-5% pyrite as very fine grained aggregates and veinlets along the edges of carbonate veins and veinlets.

126.00	127.00	0.00	A0100430	0.0010	Au-ICP21	VO19103982
127.00	128.00	0.00	A0100431	0.0010	Au-ICP21	VO19103982
128.00	129.00	0.00	A0100432	0.0010	Au-ICP21	VO19103982
129.00	130.07	0.00	A0100433	0.0020	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
130.07	143.50	I2D V3B Syénite avec 25 à 50% de basalte Reddish-brown to yellowish-beige sheared mix of syenite and basalt 50/50. Strongly magnetic. Pervasive carbonate and leucosene alteration. 3 to locally 5 % pyrite as veinlets and disseminated along 10-15cm intervals from 132 to 136m. Sheared lower contact at 40 degrees tca.	130.07	131.00	0.00	A0100434	0.0040	Au-ICP21	VO19103982
			131.00	132.00	0.00	A0100435	0.0070	Au-ICP21	VO19103982
			132.00	133.00	0.00	A0100436	0.0030	Au-ICP21	VO19103982
			133.00	134.00	0.00	A0100437	0.0010	Au-ICP21	VO19103982
			134.00	135.00	0.00	A0100438	0.0020	Au-ICP21	VO19103982
			135.00	136.00	0.00	A0100439	0.0030	Au-ICP21	VO19103982
			136.00	137.00	0.00	A0100441	0.0005	Au-ICP21	VO19103982
			137.00	138.00	0.00	A0100442	0.0010	Au-ICP21	VO19103982
132.00	136.00	PY03 Pyrite 3% 3-5% pyrite as veinlets and fine dissemination in hematite altered mix of basalt and syenite.	138.00	139.00	0.00	A0100443	0.0050	Au-ICP21	VO19103982
			139.00	140.00	0.00	A0100444	0.0020	Au-ICP21	VO19103982
			140.00	141.00	0.00	A0100445	0.0010	Au-ICP21	VO19103982
136.50	140.00	CS Cisaillé(e) Sheared and locally brecciated mix of mostly bleached syenite and basalt	141.00	141.90	0.00	A0100446	0.0060	Au-ICP21	VO19103982
			141.90	142.70	0.00	A0100447	0.0090	Au-ICP21	VO19103982
			142.70	143.50	0.00	A0100448	0.0040	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
143.50	166.15	I2D (V3B) Syénite avec 5 à 25% de basalte Fine grained reddish-brown syenite with <10% basalt contamination from upper contact to 151m. 5% pyrite as veinlets along a 15cm shear zone at 151.5m at 30 degrees tca. Passed the shear zone mainly reddish hematite altered syenite with <5% basalt contamination. Specular hematite veinlets at 157.5m. The lower half of this unit becomes lighter in colour possibly silicified. Looks like a transitional zone to the coarse porphyry below.	143.50	144.70	0.00	A0100449	0.0030	Au-ICP21	VO19103982
			144.70	145.70	0.00	A0100450	0.0005	Au-ICP21	VO19103982
			145.70	146.80	0.00	A0100451	0.0070	Au-ICP21	VO19103982
			146.80	147.90	0.00	A0100452	0.0040	Au-ICP21	VO19103982
			147.90	149.00	0.00	A0100453	0.0030	Au-ICP21	VO19103982
			149.00	150.00	0.00	A0100454	0.0020	Au-ICP21	VO19103982
			150.00	151.00	0.00	A0100455	0.0040	Au-ICP21	VO19103982
			151.00	152.00	0.00	A0100457	0.0080	Au-ICP21	VO19103982
			152.00	153.00	0.00	A0100458	0.0060	Au-ICP21	VO19103982
			153.00	154.00	0.00	A0100459	0.0030	Au-ICP21	VO19103982
151.00	153.00	PY03 Pyrite 3% pyrite veinlets along discrete shear zones in fine grained hematite altered syenite.	154.00	155.00	0.00	A0100460	0.0020	Au-ICP21	VO19103982
			155.00	156.00	0.00	A0100461	0.0040	Au-ICP21	VO19103982
			156.00	157.00	0.00	A0100462	0.0160	Au-ICP21	VO19103982
			157.00	158.00	0.00	A0100463	0.0090	Au-ICP21	VO19103982
			158.00	159.00	0.00	A0100464	0.0040	Au-ICP21	VO19103982

153.00 178.65 PY01
Pyrite 1%
 1-2 % very finely disseminated pyrite.

159.00	160.00	0.00	A0100465	0.0020	Au-ICP21	VO19103982
160.00	161.00	0.00	A0100466	0.0120	Au-ICP21	VO19103982
161.00	162.00	0.00	A0100467	0.0260	Au-ICP21	VO19103982
162.00	163.00	0.00	A0100468	0.0070	Au-ICP21	VO19103982
163.00	164.00	0.00	A0100469	0.0030	Au-ICP21	VO19103982
164.00	165.00	0.00	A0100470	0.0020	Au-ICP21	VO19103982
165.00	166.15	0.00	A0100471	0.0050	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
166.15	179.65	I2D Syénite Light grey with a light greenish-yellowish hue coarse grained porphyritic syenite. Subhedral feldspars up to 1cm increase in size downhole. Subrounded quartz fragments up to 1cm. Trace to 1% disseminated py. Lower contact sharp at 50 degrees tca.	166.15	167.10	0.00	A0100472	0.0020	Au-ICP21	VO19103982
			167.10	168.00	0.00	A0100474	0.0005	Au-ICP21	VO19103982
			168.00	169.00	0.00	A0100475	0.0020	Au-ICP21	VO19103982
			169.00	170.00	0.00	A0100476	0.0070	Au-ICP21	VO19103982
			170.00	171.00	0.00	A0100477	0.0030	Au-ICP21	VO19103982
			171.00	172.00	0.00	A0100478	0.0050	Au-ICP21	VO19103982
			172.00	173.00	0.00	A0100479	0.0050	Au-ICP21	VO19103982
			173.00	174.00	0.00	A0100480	0.0010	Au-ICP21	VO19103982
			174.00	175.00	0.00	A0100481	0.0020	Au-ICP21	VO19103982
			175.00	176.00	0.00	A0100482	0.0010	Au-ICP21	VO19103982
			176.00	177.00	0.00	A0100483	0.0020	Au-ICP21	VO19103982
			177.00	178.00	0.00	A0100484	0.0010	Au-ICP21	VO19103982
			178.00	179.00	0.00	A0100485	0.0030	Au-ICP21	VO19103982
			179.00	179.65	0.00	A0100486	0.0050	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
179.65	197.09	I2D Syénite Grey, fine grained equigranular syenite. Pervasive carbonate alteration along stockwork like veinlets. 1-2% superfine pyrite. Trace Flourite as specks and veinlets along some of the larger 5mm carbonate veinlets. Lower contact sharp at 25 degrees tca.	179.65	180.80	0.00	A0100487	0.0840	Au-ICP21	VO19103982
			180.80	182.00	0.00	A0100489	0.0880	Au-ICP21	VO19103982
			182.00	183.00	0.00	A0100490	0.1200	Au-ICP21	VO19103982
			183.00	184.00	0.00	A0100491	0.0990	Au-ICP21	VO19103982
			184.00	185.00	0.00	A0100492	0.0640	Au-ICP21	VO19103982
			185.00	186.00	0.00	A0100493	0.2120	Au-ICP21	VO19103982
			186.00	187.00	0.00	A0100494	0.2990	Au-ICP21	VO19103982
			187.00	188.00	0.00	A0100495	0.0680	Au-ICP21	VO19103982
			188.00	189.00	0.00	A0100496	0.0910	Au-ICP21	VO19103982
			189.00	190.00	0.00	A0100497	0.0340	Au-ICP21	VO19103982
			190.00	191.00	0.00	A0100498	0.0900	Au-ICP21	VO19103982
			191.00	192.00	0.00	A0100499	0.0520	Au-ICP21	VO19103982
178.65	197.09	PY02 Pyrite 2% 1-2% very finely disseminated pyrite.							

192.00	193.00	0.00	A0100500	0.0890	Au-ICP21	VO19103982
193.00	194.00	0.00	A0100501	0.1250	Au-ICP21	VO19103982
194.00	195.00	0.00	A0100502	0.0960	Au-ICP21	VO19103982
195.00	196.00	0.00	A0100503	0.1300	Au-ICP21	VO19103982
196.00	197.09	0.00	A0100505	0.0460	Au-ICP21	VO19103982

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
197.09	227.16	I2D	197.09	198.00	0.00	A0100506	0.0060	Au-ICP21	VO19103982
		Syénite	198.00	199.00	0.00	A0100507	0.0100	Au-ICP21	VO19103982
		Reddish-brown with greyish sections. Pervasive hematite alteration locally strong. Coarse grained porphyritic intervals with visible feldspar phenos from 203 to 205m and from 209.5 to 210.5m. The rest of this unit is fine grained equigranular syenite with pervasive microfractures healed by carbonate veinlets. The larger carbonate veinlets contain 1% flourite along the edges from 205 to 206m. From 216.6 to 224 the rock becomes darker brown and strongly magnetic possibly due to basalt contamination? Lower contact sharp at 60 m. 1-2% very fine disseminated pyrite.	199.00	200.00	0.00	A0100508	0.0160	Au-ICP21	VO19103982
			200.00	201.00	0.00	A0100509	0.0110	Au-ICP21	VO19103982
			201.00	202.00	0.00	A0100510	0.0090	Au-ICP21	VO19103982
			202.00	203.00	0.00	A0100511	0.0260	Au-ICP21	VO19103982
			203.00	204.00	0.00	A0100512	0.0230	Au-ICP21	VO19103982
			204.00	205.00	0.00	A0100513	0.0590	Au-ICP21	VO19103982
			205.00	206.00	0.00	A0100514	0.0120	Au-ICP21	VO19103982
			206.00	207.00	0.00	A0100515	0.0060	Au-ICP21	VO19103982
			207.00	208.00	0.00	A0100516	0.0080	Au-ICP21	VO19103982
			208.00	209.00	0.00	A0100517	0.0130	Au-ICP21	VO19103982
197.09	215.53	PY	209.00	210.00	0.00	A0100518	0.0020	Au-ICP21	VO19103982
		Pyrite	210.00	211.00	0.00	A0100519	0.0080	Au-ICP21	VO19103982
		Trace to 1% very finely disseminated pyrite.	211.00	212.00	0.00	A0100520	0.0160	Au-ICP21	VO19103982
			212.00	213.00	0.00	A0100522	0.0130	Au-ICP21	VO19103982
			213.00	214.00	0.00	A0100523	0.0420	Au-ICP21	VO19103982
			214.00	215.00	0.00	A0100524	0.0760	Au-ICP21	VO19103982
			215.00	216.00	0.00	A0100525	0.1190	Au-ICP21	VO19103982
			216.00	217.00	0.00	A0100526	0.4190	Au-ICP21	VO19103982
			217.00	218.00	0.00	A0100527	0.1880	Au-ICP21	VO19103982
			218.00	219.00	0.00	A0100528	0.0720	Au-ICP21	VO19103982
			219.00	220.00	0.00	A0100529	0.0130	Au-ICP21	VO19103982
			220.00	221.00	0.00	A0100530	0.0050	Au-ICP21	VO19103982
			221.00	222.00	0.00	A0100531	0.0050	Au-ICP21	VO19103982
			222.00	223.00	0.00	A0100532	0.0150	Au-ICP21	VO19103982
			223.00	224.00	0.00	A0100533	0.0080	Au-ICP21	VO19103982
			224.00	225.00	0.00	A0100534	0.0140	Au-ICP21	VO19103982
			225.00	226.00	0.00	A0100535	0.0770	Au-ICP21	VO19103988
			226.00	227.16	0.00	A0100537	0.0230	Au-ICP21	VO19103988

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
227.16	265.00	I2D Syénite Brick red colour, medium grained porphyritic syenite. Weak pervasive hematite alteration. Feldspar phenos 2-4mm. Not magnetic. Minor quartz at 231.5m. Vuggy quartz-carbonate veinlets with minor flourite specks at 50 to 70 degrees tca from 228.5 to 231m. Trace to 1% pyrite as fine dissemination at 230.2, 232 and 237.4m.	227.16	228.00	0.00	A0100538	0.0040	Au-ICP21	VO19103988
			228.00	229.00	0.00	A0100539	0.0080	Au-ICP21	VO19103988
			229.00	230.00	0.00	A0100540	0.0350	Au-ICP21	VO19103988
			230.00	231.00	0.00	A0100541	0.0210	Au-ICP21	VO19103988
			231.00	232.00	0.00	A0100542	0.0160	Au-ICP21	VO19103988
			232.00	233.00	0.00	A0100543	0.0010	Au-ICP21	VO19103988
			233.00	234.00	0.00	A0100544	0.0020	Au-ICP21	VO19103988
			234.00	235.00	0.00	A0100545	0.0060	Au-ICP21	VO19103988
			235.00	236.00	0.00	A0100546	0.0050	Au-ICP21	VO19103988
227.16	244.00	PY01 Pyrite 1% Trace to 1% finely disseminated pyrite. Locally 1-2% with carbonate and/or specular hematite veinlets at 230, 232 and 238.4m.	236.00	237.00	0.00	A0100547	0.0040	Au-ICP21	VO19103988
			237.00	238.00	0.00	A0100548	0.0080	Au-ICP21	VO19103988
			238.00	239.00	0.00	A0100549	0.0080	Au-ICP21	VO19103988
246.00	247.00	PY05 Pyrite 5% Up to 5% pyrite as veinlets and aggregates from 246.4 to 246.8m.	239.00	240.00	0.00	A0100550	0.0060	Au-ICP21	VO19103988
			240.00	241.00	0.00	A0100551	0.0490	Au-ICP21	VO19103988
			241.00	242.00	0.00	A0100553	0.1710	Au-ICP21	VO19103988
			242.00	243.00	0.00	A0100554	0.0570	Au-ICP21	VO19103988
			243.00	244.00	0.00	A0100555	0.0300	Au-ICP21	VO19103988
			244.00	245.00	0.00	A0100556	0.0230	Au-ICP21	VO19103988
			245.00	246.00	0.00	A0100557	0.0610	Au-ICP21	VO19103988
			246.00	247.00	0.00	A0100558	0.0660	Au-ICP21	VO19103988
			247.00	248.00	0.00	A0100559	0.0010	Au-ICP21	VO19103988
			248.00	249.00	0.00	A0100560	0.0050	Au-ICP21	VO19103988
			249.00	250.00	0.00	A0100561	0.0140	Au-ICP21	VO19103988
			250.00	251.00	0.00	A0100562	0.0050	Au-ICP21	VO19103988
			251.00	252.00	0.00	A0100563	0.0020	Au-ICP21	VO19103988
			252.00	253.00	0.00	A0100564	0.0020	Au-ICP21	VO19103988
			253.00	254.00	0.00	A0100565	0.0020	Au-ICP21	VO19103988
			254.00	255.00	0.00	A0100566	0.0040	Au-ICP21	VO19103988
			255.00	256.00	0.00	A0100567	0.0430	Au-ICP21	VO19103988
			256.00	257.00	0.00	A0100568	0.0360	Au-ICP21	VO19103988
			257.00	258.00	0.00	A0100570	0.0290	Au-ICP21	VO19103988
			258.00	259.00	0.00	A0100571	0.0290	Au-ICP21	VO19103988
			259.00	260.00	0.00	A0100572	0.0300	Au-ICP21	VO19103988
			260.00	261.00	0.00	A0100573	0.1350	Au-ICP21	VO19103988
			261.00	262.00	0.00	A0100574	0.0090	Au-ICP21	VO19103988
			262.00	263.00	0.00	A0100575	0.0240	Au-ICP21	VO19103988

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
			263.00	264.00	0.00	A0100576	0.0080	Au-ICP21	VO19103988
			264.00	265.00	0.00	A0100577	0.0190	Au-ICP21	VO19103988
265.00	295.30	I2D Syénite Reddish-brown, medium to coarse grained porphyritic syenite. Overall 2% disseminated pyrite. Vuggy carbonate veinlets with trace flourite and occasionally specular hematite.	265.00	266.00	0.00	A0100578	0.0120	Au-ICP21	VO19103988
			266.00	267.00	0.00	A0100579	0.0100	Au-ICP21	VO19103988
			267.00	268.00	0.00	A0100580	0.0070	Au-ICP21	VO19103988
			268.00	269.00	0.00	A0100581	0.0160	Au-ICP21	VO19103988
			269.00	270.00	0.00	A0100582	0.0150	Au-ICP21	VO19103988
			270.00	271.00	0.00	A0100583	0.0260	Au-ICP21	VO19103988
			271.00	272.00	0.00	A0100585	0.0190	Au-ICP21	VO19103988
			272.00	273.00	0.00	A0100586	0.0170	Au-ICP21	VO19103988
			273.00	274.00	0.00	A0100587	0.0090	Au-ICP21	VO19103988
280.00	281.30	FJ Faille Fault zone. Intense fracturing. Rubble <5cm angular fragments.	274.00	275.00	0.00	A0100588	0.0260	Au-ICP21	VO19103988
			275.00	276.00	0.00	A0100589	0.0110	Au-ICP21	VO19103988
285.10	287.80	FJ Faille Fault zone. Blocky core, angular core fragments<5cm.	276.00	277.00	0.00	A0100590	0.0140	Au-ICP21	VO19103988
			277.00	278.00	0.00	A0100591	0.0160	Au-ICP21	VO19103988
			278.00	279.00	0.00	A0100592	0.0180	Au-ICP21	VO19103988
291.40	295.00	FJ Faille Fault Zone. Blocky core rubble. Angular core fragments <3cm. Specular hematite veinlets, 2% disseminated pyrite.	279.00	280.00	0.00	A0100593	0.0270	Au-ICP21	VO19103988
			280.00	281.00	0.00	A0100594	0.0290	Au-ICP21	VO19103988
			281.00	282.00	0.00	A0100595	0.0450	Au-ICP21	VO19103988
			282.00	283.00	0.00	A0100596	0.0050	Au-ICP21	VO19103988
			283.00	284.00	0.00	A0100597	0.0090	Au-ICP21	VO19103988
			284.00	285.00	0.00	A0100598	0.0070	Au-ICP21	VO19103988
			285.00	286.00	0.00	A0100599	0.0100	Au-ICP21	VO19103988
			286.00	287.00	0.00	A0100601	0.0090	Au-ICP21	VO19103988
			287.00	288.00	0.00	A0100602	0.0110	Au-ICP21	VO19103988
			288.00	289.00	0.00	A0100603	0.0090	Au-ICP21	VO19103988
			289.00	290.00	0.00	A0100604	0.0100	Au-ICP21	VO19103988
			290.00	291.00	0.00	A0100605	0.0070	Au-ICP21	VO19103988
			291.00	292.00	0.00	A0100606	0.0190	Au-ICP21	VO19103988
			292.00	293.00	0.00	A0100607	0.0240	Au-ICP21	VO19103988
			293.00	294.00	0.00	A0100609	0.0430	Au-ICP21	VO19103988
			294.00	295.00	0.00	A0100610	0.0160	Au-ICP21	VO19103988

295.30	308.85	I2D Syénite Light grey to reddish-brown porphyritic syenite. Feldspar porphyries smaller than in previous interval 1-3mm. From upper contact to 300.5m grey coloured, silicified(?) interval with 2% finely disseminated pyrite and carbonate veinlets with flourite specks. Lower contact sharp at 30 degrees tca.	295.00	296.00	0.00	A0100611	0.0100	Au-ICP21	VO19103988
			296.00	297.00	0.00	A0100612	0.0110	Au-ICP21	VO19103988
			297.00	298.00	0.00	A0100613	0.0110	Au-ICP21	VO19103988
			298.00	299.00	0.00	A0100614	0.0180	Au-ICP21	VO19103988
			299.00	300.00	0.00	A0100615	0.0060	Au-ICP21	VO19103988
			300.00	301.00	0.00	A0100616	0.0040	Au-ICP21	VO19103988
			301.00	302.00	0.00	A0100617	0.0060	Au-ICP21	VO19103988
			302.00	303.00	0.00	A0100618	0.0160	Au-ICP21	VO19103988
			303.00	304.00	0.00	A0100619	0.0070	Au-ICP21	VO19103988
			304.00	305.00	0.00	A0100620	0.0250	Au-ICP21	VO19103988
			305.00	306.00	0.00	A0100621	0.0160	Au-ICP21	VO19103988
			306.00	307.00	0.00	A0100622	0.0090	Au-ICP21	VO19103988
			307.00	308.00	0.00	A0100623	0.0220	Au-ICP21	VO19103988
308.00	309.00	0.00	A0100624	0.0440	Au-ICP21	VO19103988			

295.30 300.50 PY

Pyrite

Finely disseminated pyrite 1-3% with carbonate-flourite veinlets and possible silicification.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
308.85	317.65	I2D Syénite Brick red porphyritic syenite. 1-2mm feldspar porphyries. Pervasive hematite alteration. 5-10mm carbonate veinlets with specks of flourite oriented between 30 and 70 degrees tca. From 310 to 313 blocky core intervals at 310-311 and 312-312.5m. Lower contact sharp at 40 degrees tca.	309.00	310.00	0.00	A0100626	0.0040	Au-ICP21	VO19103988
			310.00	311.00	0.00	A0100627	0.0800	Au-ICP21	VO19103988
			311.00	312.00	0.00	A0100628	0.0270	Au-ICP21	VO19103988
			312.00	313.00	0.00	A0100629	0.0190	Au-ICP21	VO19103988
			313.00	314.00	0.00	A0100630	0.0060	Au-ICP21	VO19103988
			314.00	315.00	0.00	A0100631	0.0005	Au-ICP21	VO19103988
			315.00	316.00	0.00	A0100632	0.0030	Au-ICP21	VO19103988
			316.00	317.00	0.00	A0100633	0.0300	Au-ICP21	VO19103988
			317.00	318.00	0.00	A0100634	0.0220	Au-ICP21	VO19103988

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
317.65	321.95	I2D Syénite Syenite. Porphyritic, coarse grained, greenish-pink. Trace pyrite. Greyish, silicified and fractured core near the lower contact with stringers of pyrite at 321m. Trace pyrite. Broken core at lower contact.	318.00	319.00	0.00	A0100635	0.0410	Au-ICP21	VO19103988
			319.00	320.00	0.00	A0100636	0.0220	Au-ICP21	VO19103988
			320.00	321.00	0.00	A0100637	0.0120	Au-ICP21	VO19103988
			321.00	321.95	0.00	A0100638	0.0110	Au-ICP21	VO19103988

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
321.95	359.90	I2D	321.95	323.00	0.00	A0100639	0.0290	Au-ICP21	VO19103988
		Syénite	323.00	324.00	0.00	A0100641	0.0160	Au-ICP21	VO19103988
		Syenite. Grey to brownish-grey in the lower half. Brecciated. Angular syenite fragments up to 5 cm in a silificied, carbonate altered matrix. Matrix supported breccia. Very finely disseminated pyrite throughout 5-10%. Locally aggregates of pyrite 5-10mm. Carbonate veinlets filled tension gushes and up to 10-15cm carbonate veins. From 351 to 355m reddish-brown hematite alteration. Lower contact sharp at 60 degrees tca.	324.00	325.00	0.00	A0100642	0.0180	Au-ICP21	VO19103988
			325.00	326.00	0.00	A0100643	0.0590	Au-ICP21	VO19103988
			326.00	327.00	0.00	A0100644	0.0360	Au-ICP21	VO19103988
			327.00	328.00	0.00	A0100645	0.0540	Au-ICP21	VO19103988
			328.00	329.00	0.00	A0100646	0.0520	Au-ICP21	VO19103988
			329.00	330.00	0.00	A0100647	0.0270	Au-ICP21	VO19103988
321.95	359.90	CB; Si	330.00	331.00	0.00	A0100648	0.0300	Au-ICP21	VO19103988
		Carbonatisation; Silicification	331.00	332.00	0.00	A0100649	0.0320	Au-ICP21	VO19103988
		Strong pervasive silicification and carbonatisation. Locally quartz veinlets and carbonate veinlets filling tension gushes.	332.00	333.00	0.00	A0100650	0.0410	Au-ICP21	VO19103988
			333.00	334.00	0.00	A0100651	0.0350	Au-ICP21	VO19103988
321.95	359.90	PY10	334.00	335.00	0.00	A0100652	0.0410	Au-ICP21	VO19103988
		Pyrite 10%	335.00	336.00	0.00	A0100653	0.0600	Au-ICP21	VO19103988
		Finely disseminated pyrite throughout. 5-10% overall. Localized small 0.5-1cm aggregates.	336.00	337.00	0.00	A0100654	0.0350	Au-ICP21	VO19103988
			337.00	338.00	0.00	A0100655	0.0440	Au-ICP21	VO19103988
			338.00	339.00	0.00	A0100657	0.0500	Au-ICP21	VO19103988
321.95	359.90	BX	339.00	340.00	0.00	A0100658	0.0280	Au-ICP21	VO19103988
		Bréchique	340.00	341.00	0.00	A0100659	0.0410	Au-ICP21	VO19103988
		Brecciated syenite. Angular syenite fragments up to 5cm in a silicified and carbonate altered syenite matrix.	341.00	342.00	0.00	A0100660	0.0450	Au-ICP21	VO19103988
			342.00	343.00	0.00	A0100661	0.0560	Au-ICP21	VO19103988
			343.00	344.00	0.00	A0100662	0.0240	Au-ICP21	VO19103988
			344.00	345.00	0.00	A0100663	0.0430	Au-ICP21	VO19103988
			345.00	346.00	0.00	A0100664	0.0610	Au-ICP21	VO19103988
			346.00	347.00	0.00	A0100665	0.0610	Au-ICP21	VO19103988
			347.00	348.00	0.00	A0100666	0.0460	Au-ICP21	VO19103988
			348.00	349.00	0.00	A0100667	0.0240	Au-ICP21	VO19103988
			349.00	350.00	0.00	A0100668	0.0330	Au-ICP21	VO19103988
			350.00	351.00	0.00	A0100669	0.0390	Au-ICP21	VO19103988
			351.00	352.00	0.00	A0100670	0.0140	Au-ICP21	VO19103988
			352.00	353.00	0.00	A0100671	0.0470	Au-ICP21	VO19103988
			353.00	354.00	0.00	A0100672	0.0510	Au-ICP21	VO19103988
			354.00	355.00	0.00	A0100674	0.0330	Au-ICP21	VO19103988
			355.00	356.00	0.00	A0100675	0.0320	Au-ICP21	VO19103988
			356.00	357.00	0.00	A0100676	0.0200	Au-ICP21	VO19103988
			357.00	358.00	0.00	A0100677	0.0530	Au-ICP21	VO19103988

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
			358.00	359.00	0.00	A0100678	0.0480	Au-ICP21	VO19103988
			359.00	359.90	0.00	A0100679	0.0230	Au-ICP21	VO19103988
359.90	381.00	I2D Syénite Reddish-brown to greenish-grey with dark grey intervals. Fine grained equigranular syenite. Porphyritic interval from 362.6 to 364m. From 364 to 366m brecciated interval with small angular dark brown synite fragments. From 30 to 36m foliation at 20 degrees tca. 20-50cm carbonate veins at 366.5 and 371.5m. From 369 to 373m moderately magnetic interval. Trace to 1% very finely disseminated pyrite. Strongly magnetic at 380.5. Pervasive carbonate veinlets along tension gushes from 370 to 381m. From 373 to 376 weak shear zone foliation at 40 degrres ta. 1-5% very fine pyrite along foliation planes.	359.90	361.00	0.00	A0100680	0.0100	Au-ICP21	VO19103988
			361.00	362.00	0.00	A0100681	0.0220	Au-ICP21	VO19103988
			362.00	363.00	0.00	A0100682	0.0130	Au-ICP21	VO19103988
			363.00	364.00	0.00	A0100683	0.0260	Au-ICP21	VO19103988
			364.00	365.00	0.00	A0100684	0.0450	Au-ICP21	VO19103988
			365.00	366.00	0.00	A0100685	0.0880	Au-ICP21	VO19103988
			366.00	367.00	0.00	A0100686	0.0180	Au-ICP21	VO19103988
			367.00	368.00	0.00	A0100687	0.0580	Au-ICP21	VO19103988
			368.00	369.00	0.00	A0100689	0.0990	Au-ICP21	VO19103988
			369.00	370.00	0.00	A0100690	0.0070	Au-ICP21	VO19105406
			370.00	371.00	0.00	A0100691	0.0300	Au-ICP21	VO19105406
359.90	381.00	Si; CB Silicification; Carbonatisation Pervasive moderate to strong silicification and pervasive moderate carbonatisation as veinlets along tension gushes and as larger 20-50cm carbonate veins.	371.00	372.00	0.00	A0100692	0.0510	Au-ICP21	VO19105406
			372.00	373.00	0.00	A0100693	0.0040	Au-ICP21	VO19105406
			373.00	374.00	0.00	A0100694	0.0050	Au-ICP21	VO19105406
			374.00	375.00	0.00	A0100695	0.0180	Au-ICP21	VO19105406
			375.00	376.00	0.00	A0100696	0.0370	Au-ICP21	VO19105406
359.90	381.00	PY02 Pyrite 2% Very finely disseminated pyrite trace to locally 1-2%.	376.00	377.00	0.00	A0100697	0.0080	Au-ICP21	VO19105406
			377.00	378.00	0.00	A0100698	0.0610	Au-ICP21	VO19105406
			378.00	379.00	0.00	A0100699	0.1340	Au-ICP21	VO19105406
360.70	361.20	CS Cisaillé(e) 20° Sheared section at 20 degrees tca. 1-2% pyrite along greenish wispy	379.00	380.00	0.00	A0100700	0.0510	Au-ICP21	VO19105406
			380.00	381.00	0.00	A0100701	0.1050	Au-ICP21	VO19105406
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
381.00	442.50	I2D Syénite Syenite with possible basalt contamination. Grey to reddish-brown. Fine grained, equigranular. Pervasive strong silicification and moderate pervasive carbonate alteration along fractures. Brecciation along short intervals <0.5m. From 424.6 to 425.6m dark grey strongly magnetic with leucoxene overprinting basaltic interval. Both contacts sharp at 50 and 40 degrees tca. From 408 to 423 2-3% finely disseminated py. Patches of unaltered syenite show porphyritic texture with subhedral 1-3mm milky white feldspars at 428, 429 and 437 to 438m.	381.00	382.00	0.00	A0100702	0.6010	Au-ICP21	VO19105406
			382.00	383.00	0.00	A0100703	0.7440	Au-ICP21	VO19105406
			383.00	384.00	0.00	A0100705	0.0790	Au-ICP21	VO19105406
			384.00	385.00	0.00	A0100706	0.0240	Au-ICP21	VO19105406
			385.00	386.00	0.00	A0100707	0.0230	Au-ICP21	VO19105406
			386.00	387.00	0.00	A0100708	0.0390	Au-ICP21	VO19105406
			387.00	388.00	0.00	A0100709	0.0420	Au-ICP21	VO19105406
			388.00	389.00	0.00	A0100710	0.4550	Au-ICP21	VO19105406
			389.00	390.00	0.00	A0100711	0.2810	Au-ICP21	VO19105406
			390.00	391.00	0.00	A0100712	0.2930	Au-ICP21	VO19105406

381.00	442.50	Si; CB	391.00	392.00	0.00	A0100713	0.0670	Au-ICP21	VO19105406
		Silicification; Carbonatisation	392.00	393.00	0.00	A0100714	0.2590	Au-ICP21	VO19105406
		Pervasive silicification. Moderate carbonatisation as tension gushes filling carbonate veinlets.	393.00	394.00	0.00	A0100715	0.2340	Au-ICP21	VO19105406
			394.00	395.00	0.00	A0100716	0.6190	Au-ICP21	VO19105406
397.00	402.00	PY03	395.00	396.00	0.00	A0100717	0.5850	Au-ICP21	VO19105406
		Pyrite 3%	396.00	397.00	0.00	A0100718	0.3830	Au-ICP21	VO19105406
		3-5% finely disseminated pyrite and locally belbs and aggregates in a brownish-grey fractured and brecciated syenite interval. Strongly magnetic. Possible basalt contamination.	397.00	398.00	0.00	A0100719	0.1090	Au-ICP21	VO19105406
			398.00	399.00	0.00	A0100720	0.3800	Au-ICP21	VO19105406
			399.00	400.00	0.00	A0100722	1.3900	Au-ICP21	VO19105406
403.50	404.10	PY05	400.00	401.00	0.00	A0100723	0.8280	Au-ICP21	VO19105406
		Pyrite 5%	401.00	402.00	0.00	A0100724	0.2180	Au-ICP21	VO19105406
		Finely disseminated pyrite 5% in fine grained silicified fractured and carbonate altered grey syenite.	402.00	403.00	0.00	A0100725	0.1100	Au-ICP21	VO19105406
			403.00	404.00	0.00	A0100726	0.1330	Au-ICP21	VO19105406
406.80	407.00	PY15	404.00	405.00	0.00	A0100727	0.2320	Au-ICP21	VO19105406
		Pyrite 15%	405.00	406.00	0.00	A0100728	0.3710	Au-ICP21	VO19105406
		Up to 15% pyrite as fine grained aggregates in a strongly magnitic section possibly basalt contaminated.	406.00	407.00	0.00	A0100729	2.5100	Au-ICP21	VO19105406
			407.00	408.00	0.00	A0100730	0.3300	Au-ICP21	VO19105406
407.00	442.50	PY03	408.00	409.00	0.00	A0100731	0.1020	Au-ICP21	VO19105406
		Pyrite 3%	409.00	410.00	0.00	A0100732	0.2000	Au-ICP21	VO19105406
		Finely disseminated pyrite. Overall 2-3% py, locally higher 5% as from 417 to 219m.	410.00	411.00	0.00	A0100733	0.1970	Au-ICP21	VO19105406
			411.00	412.00	0.00	A0100734	0.1560	Au-ICP21	VO19105406
			412.00	413.00	0.00	A0100735	0.5380	Au-ICP21	VO19105406
			413.00	414.00	0.00	A0100737	0.3440	Au-ICP21	VO19105406
			414.00	415.00	0.00	A0100738	0.3420	Au-ICP21	VO19105406
			415.00	416.00	0.00	A0100739	0.2310	Au-ICP21	VO19105406
			416.00	417.00	0.00	A0100740	0.1860	Au-ICP21	VO19105406
			417.00	418.00	0.00	A0100741	0.1940	Au-ICP21	VO19105406
			418.00	419.00	0.00	A0100742	0.4370	Au-ICP21	VO19105406
			419.00	420.00	0.00	A0100743	0.5570	Au-ICP21	VO19105406
			420.00	421.00	0.00	A0100744	0.1230	Au-ICP21	VO19105406
			421.00	422.00	0.00	A0100745	0.0980	Au-ICP21	VO19105406
			422.00	423.00	0.00	A0100746	0.2460	Au-ICP21	VO19105406
			423.00	424.00	0.00	A0100747	0.4240	Au-ICP21	VO19105406
			424.00	425.00	0.00	A0100748	0.4730	Au-ICP21	VO19105406
			425.00	426.00	0.00	A0100749	1.2950	Au-ICP21	VO19105406
			426.00	427.00	0.00	A0100750	0.4940	Au-ICP21	VO19105406
			427.00	428.00	0.00	A0100751	2.2600	Au-ICP21	VO19105406
			428.00	429.00	0.00	A0100753	0.1190	Au-ICP21	VO19105406

429.00	430.00	0.00	A0100754	0.2270	Au-ICP21	VO19105406
430.00	431.00	0.00	A0100755	0.0800	Au-ICP21	VO19105406
431.00	432.00	0.00	A0100756	0.2040	Au-ICP21	VO19105406
432.00	433.00	0.00	A0100757	0.5460	Au-ICP21	VO19105406
433.00	434.00	0.00	A0100758	0.4460	Au-ICP21	VO19105406
434.00	435.00	0.00	A0100759	0.3560	Au-ICP21	VO19105406
435.00	436.00	0.00	A0100760	0.1260	Au-ICP21	VO19105406
436.00	437.00	0.00	A0100761	0.8790	Au-ICP21	VO19105406
437.00	438.00	0.00	A0100762	0.3510	Au-ICP21	VO19105406
438.00	439.00	0.00	A0100763	0.0890	Au-ICP21	VO19105406
439.00	440.00	0.00	A0100764	0.1260	Au-ICP21	VO19105406
440.00	441.00	0.00	A0100765	0.3000	Au-ICP21	VO19105406
441.00	442.00	0.00	A0100766	0.6280	Au-ICP21	VO19105406
442.00	443.00	0.00	A0100767	0.6940	Au-ICP21	VO19105406

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
442.50	501.50	I2D Syénite Syenite with possible basalt contamination. Grey to dark grey to brownish-grey. Fine grained, Locally brecciated with porphyritic fragments and grey fine grained aphanitic possibly basaltic fragments. Carbonate filled fractures. 1-3% very finely disseminated pyrite. From 470 to 477 moderately magnetic. From 477 to 490 brecciated section with grey angular weakly magnetic and some porphyritic fragments in calcitic matrix, 2-3% disseminated pyrite. Lower contact sharp at 30 degrees tca.	443.00	444.00	0.00	A0100768	1.1650	Au-ICP21	VO19105406
			444.00	445.00	0.00	A0100770	0.2450	Au-ICP21	VO19105406
			445.00	446.00	0.00	A0100771	0.1160	Au-ICP21	VO19105406
			446.00	447.00	0.00	A0100772	0.3660	Au-ICP21	VO19105406
			447.00	448.00	0.00	A0100773	0.1150	Au-ICP21	VO19105406
			448.00	449.00	0.00	A0100774	0.1710	Au-ICP21	VO19105406
			449.00	450.00	0.00	A0100775	0.0960	Au-ICP21	VO19105406
			450.00	451.00	0.00	A0100776	0.1640	Au-ICP21	VO19105406
			451.00	452.00	0.00	A0100777	0.4750	Au-ICP21	VO19105406
442.50	490.45	Si; CB Silicification; Carbonatisation Pervasive silicification and moderate to locally strong carbonate alteration as veinlets and breccia matrix.	452.00	453.00	0.00	A0100778	0.0830	Au-ICP21	VO19105406
			453.00	454.00	0.00	A0100779	0.1440	Au-ICP21	VO19105406
			454.00	455.00	0.00	A0100780	0.0980	Au-ICP21	VO19105406
			455.00	456.00	0.00	A0100781	0.1950	Au-ICP21	VO19105406
442.50	470.00	PY Pyrite Finely disseminated pyrite 1-2%.	456.00	457.00	0.00	A0100782	0.1790	Au-ICP21	VO19105406
			457.00	458.00	0.00	A0100783	0.1220	Au-ICP21	VO19105406
			458.00	459.00	0.00	A0100785	0.4280	Au-ICP21	VO19105406
470.00	490.50	PY03 Pyrite 3% 3-5% finely disseminated pyrite. Very fine grained or as mm thick veinlets.	459.00	460.00	0.00	A0100786	0.7280	Au-ICP21	VO19105406
			460.00	461.00	0.00	A0100787	0.1730	Au-ICP21	VO19105406
			461.00	462.00	0.00	A0100788	0.1850	Au-ICP21	VO19105406
470.00	501.50	BX Bréchique Brecciated syenite section with angular dark grey, possibly silicified	462.00	463.00	0.00	A0100789	0.1660	Au-ICP21	VO19105406
			463.00	464.00	0.00	A0100790	0.1350	Au-ICP21	VO19105406
			464.00	465.00	0.00	A0100791	0.1260	Au-ICP21	VO19105406

basaltic, fine grained aphanitic fragments and dark reddish-brown porphyritic syenite fragments in a carbonate altered matrix.

465.00	466.00	0.00	A0100792	0.0650	Au-ICP21	VO19105406
466.00	467.00	0.00	A0100793	0.1030	Au-ICP21	VO19105406
467.00	468.00	0.00	A0100794	0.0670	Au-ICP21	VO19105406
468.00	469.00	0.00	A0100795	0.1710	Au-ICP21	VO19105406
469.00	470.00	0.00	A0100796	0.3340	Au-ICP21	VO19105406
470.00	471.00	0.00	A0100797	0.1420	Au-ICP21	VO19105406
471.00	472.00	0.00	A0100798	0.0110	Au-ICP21	VO19105406
472.00	473.00	0.00	A0100799	0.1110	Au-ICP21	VO19105406
473.00	474.00	0.00	A0100801	0.1620	Au-ICP21	VO19105406
474.00	475.00	0.00	A0100802	0.0570	Au-ICP21	VO19105406
475.00	476.00	0.00	A0100803	0.1180	Au-ICP21	VO19105406
476.00	477.00	0.00	A0100804	0.0150	Au-ICP21	VO19105406
477.00	478.00	0.00	A0100805	0.0750	Au-ICP21	VO19105406
478.00	479.00	0.00	A0100806	0.0730	Au-ICP21	VO19105406
479.00	480.00	0.00	A0100807	0.1560	Au-ICP21	VO19105406
480.00	481.00	0.00	A0100809	0.0630	Au-ICP21	VO19105406
481.00	482.00	0.00	A0100810	0.0460	Au-ICP21	VO19105406
482.00	483.00	0.00	A0100811	0.0430	Au-ICP21	VO19105406
483.00	484.00	0.00	A0100812	0.1920	Au-ICP21	VO19105406
484.00	485.00	0.00	A0100813	0.0780	Au-ICP21	VO19105406
485.00	486.00	0.00	A0100814	0.0910	Au-ICP21	VO19105406
486.00	487.00	0.00	A0100815	0.0760	Au-ICP21	VO19105406
487.00	488.00	0.00	A0100816	0.0770	Au-ICP21	VO19105406
488.00	489.00	0.00	A0100817	0.1670	Au-ICP21	VO19105406
489.00	490.00	0.00	A0100818	0.3860	Au-ICP21	VO19105406
490.00	491.00	0.00	A0100819	0.0900	Au-ICP21	VO19105406
491.00	492.00	0.00	A0100820	0.0910	Au-ICP21	VO19105406
492.00	493.00	0.00	A0100821	0.1360	Au-ICP21	VO19105406
493.00	494.00	0.00	A0100822	0.4400	Au-ICP21	VO19105406
494.00	495.00	0.00	A0100823	0.2560	Au-ICP21	VO19105406
495.00	496.00	0.00	A0100824	0.1580	Au-ICP21	VO19105406
496.00	497.00	0.00	A0100826	0.1430	Au-ICP21	VO19105406
497.00	498.00	0.00	A0100827	0.1800	Au-ICP21	VO19105406
498.00	499.00	0.00	A0100828	0.2980	Au-ICP21	VO19105406
499.00	500.00	0.00	A0100829	0.3190	Au-ICP21	VO19105406
500.00	501.00	0.00	A0100830	0.3690	Au-ICP21	VO19105406
501.00	502.00	0.00	A0100831	0.2150	Au-ICP21	VO19105406

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
501.50	526.50	I2D (V3B) Syénite avec 5 à 25% de basalte Grey, reddish-brown porphyritic syenite sections, 10 to 50cm thick alternate with grey, fine grained carbonate altered often magnetic silicified and brecciated in carbonate matrix basaltic sections. Very fine grained disseminated pyrite 3% locally up to 5%.	502.00	503.00	0.00	A0100832	0.2570	Au-ICP21	VO19105406
			503.00	504.00	0.00	A0100833	0.1340	Au-ICP21	VO19105406
			504.00	505.00	0.00	A0100834	0.1460	Au-ICP21	VO19105406
			505.00	506.00	0.00	A0100835	0.5360	Au-ICP21	VO19105406
			506.00	507.00	0.00	A0100836	0.6910	Au-ICP21	VO19105406
			507.00	508.00	0.00	A0100837	0.3600	Au-ICP21	VO19105406
			508.00	509.00	0.00	A0100838	0.2190	Au-ICP21	VO19105406
501.50	526.50	Si; CB Silicification; Carbonatisation Pervasive moderate to locally strong silicification and pervasive fracture filling carbonate veinlets.	509.00	510.00	0.00	A0100839	0.1920	Au-ICP21	VO19105406
			510.00	511.00	0.00	A0100841	1.8800	Au-ICP21	VO19105406
			511.00	512.00	0.00	A0100842	1.9850	Au-ICP21	VO19105406
			512.00	513.00	0.00	A0100843	0.4830	Au-ICP21	VO19105406
501.50	526.50	PY Pyrite Very finely disseminated pyrite 2-3% overall. Locally up to 5% at 507 to 508m.	513.00	514.00	0.00	A0100844	0.3900	Au-ICP21	VO19105406
			514.00	515.00	0.00	A0100845	0.0660	Au-ICP21	VO19105406
			515.00	516.00	0.00	A0100846	0.0300	Au-ICP21	VO19105406
			516.00	517.00	0.00	A0100847	0.0340	Au-ICP21	VO19105406
			517.00	518.00	0.00	A0100848	0.0460	Au-ICP21	VO19105406
			518.00	519.00	0.00	A0100849	0.0140	Au-ICP21	VO19105406
			519.00	520.00	0.00	A0100850	0.0630	Au-ICP21	VO19105406
			520.00	521.00	0.00	A0100851	0.0140	Au-ICP21	VO19105406
			521.00	522.00	0.00	A0100852	0.1140	Au-ICP21	VO19105406
			522.00	523.00	0.00	A0100853	0.2880	Au-ICP21	VO19105406
			523.00	524.00	0.00	A0100854	0.3190	Au-ICP21	VO19105418
			524.00	525.00	0.00	A0100855	0.0560	Au-ICP21	VO19105418
			525.00	526.00	0.00	A0100857	0.0600	Au-ICP21	VO19105418
			526.00	527.00	0.00	A0100858	0.0870	Au-ICP21	VO19105418

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
526.50	556.15	I2D V3B Syénite avec 25 à 50% de basalte Dark grey to mauve, fine grained aphanitic, fractured, magnetic basaltic intervals with reddish-brown porphyritic syenite meter-long sections. Pervasive carbonate alteration and silicification. 2% very fine disseminated pyrite throughout and locally up to 10% as blebs and aggregates from 539 to 540m. The upper half of this unit is lighter grey and the lower half is darker grey to mauve and more magnetic with higher basaltic component.	527.00	528.00	0.00	A0100859	0.0230	Au-ICP21	VO19105418
			528.00	529.00	0.00	A0100860	0.1540	Au-ICP21	VO19105418
			529.00	530.00	0.00	A0100861	0.0270	Au-ICP21	VO19105418
			530.00	531.00	0.00	A0100862	0.0650	Au-ICP21	VO19105418
			531.00	532.00	0.00	A0100863	0.1150	Au-ICP21	VO19105418
			532.00	533.00	0.00	A0100864	0.0120	Au-ICP21	VO19105418
			533.00	534.00	0.00	A0100865	0.0080	Au-ICP21	VO19105418
			534.00	535.00	0.00	A0100866	0.0100	Au-ICP21	VO19105418

539.00	551.00	CB	535.00	536.00	0.00	A0100867	0.0220	Au-ICP21	VO19105418
		Carbonatisation	536.00	537.00	0.00	A0100868	0.0060	Au-ICP21	VO19105418
		Pervasive carbonate veinlets.	537.00	538.00	0.00	A0100869	0.0090	Au-ICP21	VO19105418
539.00	540.00	PY10	538.00	539.00	0.00	A0100870	0.0070	Au-ICP21	VO19105418
		Pyrite 10%	539.00	540.00	0.00	A0100871	0.0730	Au-ICP21	VO19105418
		Pyrite aggregates and fracture filling veinlets up to 10% py in mauve carbonate altered section.	540.00	541.00	0.00	A0100872	0.0050	Au-ICP21	VO19105418
			541.00	542.00	0.00	A0100874	0.0150	Au-ICP21	VO19105418
			542.00	543.00	0.00	A0100875	0.0100	Au-ICP21	VO19105418
			543.00	544.00	0.00	A0100876	0.0120	Au-ICP21	VO19105418
			544.00	545.00	0.00	A0100877	0.0160	Au-ICP21	VO19105418
			545.00	546.00	0.00	A0100878	0.0110	Au-ICP21	VO19105418
			546.00	547.00	0.00	A0100879	0.0100	Au-ICP21	VO19105418
			547.00	548.00	0.00	A0100880	0.0130	Au-ICP21	VO19105418
			548.00	549.00	0.00	A0100881	0.0210	Au-ICP21	VO19105418
			549.00	550.00	0.00	A0100882	0.0110	Au-ICP21	VO19105418
			550.00	551.00	0.00	A0100883	0.0880	Au-ICP21	VO19105418
			551.00	552.00	0.00	A0100884	0.0120	Au-ICP21	VO19105418
			552.00	553.00	0.00	A0100885	0.0240	Au-ICP21	VO19105418
			553.00	554.00	0.00	A0100886	0.1090	Au-ICP21	VO19105418
			554.00	555.00	0.00	A0100887	0.0260	Au-ICP21	VO19105418
			555.00	556.00	0.00	A0100889	0.0110	Au-ICP21	VO19105418

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
556.15	570.60	I2D	556.00	557.00	0.00	A0100890	0.0220	Au-ICP21	VO19105418
		Syénite	557.00	558.00	0.00	A0100891	0.3360	Au-ICP21	VO19105418
		Syenite. Dark brown to mauve coarse grained, magnetic syenite. Pervasive carbonate alteration. Disseminated and veinlets of 3-5% pyrite from 560.8 to 564.1.	558.00	559.00	0.00	A0100892	0.3270	Au-ICP21	VO19105418
			559.00	560.00	0.00	A0100893	0.0090	Au-ICP21	VO19105418
			560.00	561.00	0.00	A0100894	0.0050	Au-ICP21	VO19105418
			561.00	562.00	0.00	A0100895	0.0230	Au-ICP21	VO19105418
556.15	570.30	CB	562.00	563.00	0.00	A0100896	0.0710	Au-ICP21	VO19105418
		Carbonatisation	563.00	564.00	0.00	A0100897	0.1440	Au-ICP21	VO19105418
		Pervasive moderate carbonatisation.	564.00	565.00	0.00	A0100898	0.9880	Au-ICP21	VO19105418
560.80	565.10	PY05	565.00	566.00	0.00	A0100899	0.0520	Au-ICP21	VO19105418
		Pyrite 5%	566.00	567.00	0.00	A0100900	0.1330	Au-ICP21	VO19105418
		3-5% pyrite as veinlets and aggregates of finely disseminated in coarse grained syenite and 1cm quartz veinlets.	567.00	568.00	0.00	A0100901	0.1300	Au-ICP21	VO19105418
			568.00	569.00	0.00	A0100902	0.4010	Au-ICP21	VO19105418
			569.00	570.00	0.00	A0100903	0.6920	Au-ICP21	VO19105418
			570.00	571.00	0.00	A0100905	0.1050	Au-ICP21	VO19105418

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
570.60	592.00	I2D (V3B)	571.00	572.00	0.00	A0100906	0.1530	Au-ICP21	VO19105418
		Syénite avec 5 à 25% de basalte	572.00	573.00	0.00	A0100907	0.2730	Au-ICP21	VO19105418
		Alternating meter long sections of light grey, silicified sericite altered syenite? and dark grey , fine grained moderately magnetic basalt?. Pervasive moderate to strong carbonate alteration and carbonatite veins from 576 to 577m. Trace pyrite.	573.00	574.00	0.00	A0100908	0.2560	Au-ICP21	VO19105418
			574.00	575.00	0.00	A0100909	0.1860	Au-ICP21	VO19105418
			575.00	576.00	0.00	A0100910	0.0770	Au-ICP21	VO19105418
			576.00	577.00	0.00	A0100911	0.2610	Au-ICP21	VO19105418
			577.00	578.00	0.00	A0100912	0.1010	Au-ICP21	VO19105418
570.60	592.00	Si; CB	578.00	579.00	0.00	A0100913	0.0070	Au-ICP21	VO19105418
		Silicification; Carbonatisation	579.00	580.00	0.00	A0100914	0.0120	Au-ICP21	VO19105418
		Pervasive silicification and carbonatisation.	580.00	581.00	0.00	A0100915	0.0680	Au-ICP21	VO19105418
			581.00	582.00	0.00	A0100916	0.0270	Au-ICP21	VO19105418
			582.00	583.00	0.00	A0100917	0.0090	Au-ICP21	VO19105418
			583.00	584.00	0.00	A0100918	0.0130	Au-ICP21	VO19105418
			584.00	585.00	0.00	A0100919	0.0150	Au-ICP21	VO19105418
			585.00	586.00	0.00	A0100920	0.3100	Au-ICP21	VO19105418
			586.00	587.00	0.00	A0100922	0.0710	Au-ICP21	VO19105418
			587.00	588.00	0.00	A0100923	0.0120	Au-ICP21	VO19105418
			588.00	589.00	0.00	A0100924	0.0160	Au-ICP21	VO19105418
			589.00	590.00	0.00	A0100925	0.1210	Au-ICP21	VO19105418
			590.00	591.00	0.00	A0100926	0.1240	Au-ICP21	VO19105418
			591.00	592.00	0.00	A0100927	0.0620	Au-ICP21	VO19105418

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
592.00	606.80	I2D	592.00	593.00	0.00	A0100928	0.0440	Au-ICP21	VO19105418
		Syénite	593.00	594.00	0.00	A0100929	0.0380	Au-ICP21	VO19105418
		Light grey to light brown fine grained altered syenite. Localised minor shear zones 10-15cm wide at 597.2 at 50 degrees tca. Minor carbonate alteration over a few cm sections. Silicification more pervasive. Trace pyrite.	594.00	595.00	0.00	A0100930	0.0590	Au-ICP21	VO19105418
			595.00	596.00	0.00	A0100931	7.2000	Au-ICP21	VO19105418
			596.00	597.00	0.00	A0100932	0.6160	Au-ICP21	VO19105418
			597.00	598.00	0.00	A0100933	0.1200	Au-ICP21	VO19105418
			598.00	599.00	0.00	A0100934	0.0720	Au-ICP21	VO19105418
			599.00	600.00	0.00	A0100935	0.0860	Au-ICP21	VO19105418
			600.00	601.00	0.00	A0100937	0.1060	Au-ICP21	VO19105418
			601.00	602.00	0.00	A0100938	0.1350	Au-ICP21	VO19105418
			602.00	603.00	0.00	A0100939	0.2040	Au-ICP21	VO19105418
			603.00	604.00	0.00	A0100940	0.1700	Au-ICP21	VO19105418

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
			604.00	605.00	0.00	A0100941	0.1490	Au-ICP21	VO19105418
			605.00	606.00	0.00	A0100942	0.0260	Au-ICP21	VO19105418
			606.00	607.00	0.00	A0100943	0.0150	Au-ICP21	VO19105418
606.80	627.00	I2D (V3B) Syénite avec 5 à 25% de basalte Dark grey with very faint reddish-brown intervals mix of fine grained syenite and fine grained weakly magnetic basaltic sections. Pervasive carbonate alteration. Fine grained leucoxene overprinting on the darker greenish-grey basaltic sections. 2-3% finely disseminated pyrite from 621 to 621.5m.	607.00	608.00	0.00	A0100944	0.0120	Au-ICP21	VO19105418
			608.00	609.00	0.00	A0100945	0.0080	Au-ICP21	VO19105418
			609.00	610.00	0.00	A0100946	0.0060	Au-ICP21	VO19105418
			610.00	611.00	0.00	A0100947	0.0050	Au-ICP21	VO19105418
			611.00	612.00	0.00	A0100948	0.0060	Au-ICP21	VO19105418
			612.00	613.00	0.00	A0100949	0.0080	Au-ICP21	VO19105418
			613.00	614.00	0.00	A0100950	0.0100	Au-ICP21	VO19105418
606.80	624.00	CB Carbonatisation Pervasive moderate to strong carbonate alteration.	614.00	615.00	0.00	A0100951	0.0050	Au-ICP21	VO19105418
			615.00	616.00	0.00	A0100953	0.0100	Au-ICP21	VO19105418
621.00	622.00	PY03 Pyrite 3% 3-5% very finely disseminated pyrite.	616.00	617.00	0.00	A0100954	0.0100	Au-ICP21	VO19105418
			617.00	618.00	0.00	A0100955	0.0600	Au-ICP21	VO19105418
			618.00	619.00	0.00	A0100956	0.0580	Au-ICP21	VO19105418
622.00	627.00	PY Pyrite Very finely disseminated pyrite 3-5% in a reddish-brown sheared syenite mixed with grey beige sheared dacite?	619.00	620.00	0.00	A0100957	0.0790	Au-ICP21	VO19105418
			620.00	621.00	0.00	A0100958	0.0440	Au-ICP21	VO19105418
			621.00	622.00	0.00	A0100959	0.8030	Au-ICP21	VO19105418
			622.00	623.00	0.00	A0100960	0.0640	Au-ICP21	VO19105418
			623.00	624.00	0.00	A0100961	0.1350	Au-ICP21	VO19105418
			624.00	625.00	0.00	A0100962	0.3850	Au-ICP21	VO19105418
			625.00	626.00	0.00	A0100963	0.2610	Au-ICP21	VO19105418
			626.00	627.00	0.00	A0100964	0.2890	Au-ICP21	VO19105418
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
627.00	675.00	TU2 Tuf intermédiaire Light greenish- yellowish-beige foliated unit. Fine grained. Pervasive sericite alteration. Some subrounded cm size fragments at 634m. Could be a sheared dacite or a felsic tuff? From upper contact to 648m 2-3% very fine disseminated pyrite. Occasional cm size pyrite blebs at 644m. Foliation between 40 and 60 degrees tca. From 650 to 675m 1% very finely disseminated pyrite.	627.00	628.00	0.00	A0100965	0.4390	Au-ICP21	VO19105418
			628.00	629.00	0.00	A0100966	0.3770	Au-ICP21	VO19105418
			629.00	630.00	0.00	A0100967	0.2810	Au-ICP21	VO19105418
			630.00	631.00	0.00	A0100968	0.1020	Au-ICP21	VO19105418
			631.00	632.00	0.00	A0100970	0.0880	Au-ICP21	VO19105418
			632.00	633.00	0.00	A0100971	0.0630	Au-ICP21	VO19105418
			633.00	634.00	0.00	A0100972	0.0570	Au-ICP21	VO19105418
			634.00	635.00	0.00	A0100973	0.0280	Au-ICP21	VO19105418
627.00	675.00	SR Séricitisation	635.00	636.00	0.00	A0100974	0.0530	Au-ICP21	VO19105418
			636.00	637.00	0.00	A0100975	0.0610	Au-ICP21	VO19105418

627.00 648.00 PY03
Pyrite 3%
 2-3% very finely disseminated pyrite.

648.00 675.00 PY
Pyrite
 Trace to 1% very finely disseminated pyrite.

637.00	638.00	0.00	A0100976	0.0710	Au-ICP21	VO19105418
638.00	639.00	0.00	A0100977	0.1030	Au-ICP21	VO19105418
639.00	640.00	0.00	A0100978	0.0630	Au-ICP21	VO19105418
640.00	641.00	0.00	A0100979	0.2280	Au-ICP21	VO19105418
641.00	642.00	0.00	A0100980	0.2310	Au-ICP21	VO19105418
642.00	643.00	0.00	A0100981	0.2300	Au-ICP21	VO19105418
643.00	644.00	0.00	A0100982	0.2410	Au-ICP21	VO19105418
644.00	645.00	0.00	A0100983	0.2380	Au-ICP21	VO19105418
645.00	646.00	0.00	A0100985	0.0990	Au-ICP21	VO19105418
646.00	647.00	0.00	A0100986	0.1640	Au-ICP21	VO19105418
647.00	648.00	0.00	A0100987	0.3230	Au-ICP21	VO19105418
648.00	649.00	0.00	A0100988	0.2040	Au-ICP21	VO19105418
649.00	650.00	0.00	A0100989	0.3040	Au-ICP21	VO19105418
650.00	651.00	0.00	A0100990	0.2030	Au-ICP21	VO19105418
651.00	652.00	0.00	A0100991	0.4440	Au-ICP21	VO19105418
652.00	653.00	0.00	A0100992	0.1260	Au-ICP21	VO19105418
653.00	654.00	0.00	A0100993	0.1540	Au-ICP21	VO19105418
654.00	655.00	0.00	A0100994	0.2240	Au-ICP21	VO19105418
655.00	656.00	0.00	A0100995	0.5630	Au-ICP21	VO19105418
656.00	657.00	0.00	A0100996	0.2390	Au-ICP21	VO19105418
657.00	658.00	0.00	A0100997	0.4150	Au-ICP21	VO19105418
658.00	659.00	0.00	A0100998	0.3310	Au-ICP21	VO19105418
659.00	660.00	0.00	A0100999	0.1880	Au-ICP21	VO19105418
660.00	661.00	0.00	A0101001	0.4720	Au-ICP21	VO19105418
661.00	662.00	0.00	A0101002	0.4260	Au-ICP21	VO19105418
662.00	663.00	0.00	A0101003	0.1430	Au-ICP21	VO19105418
663.00	664.00	0.00	A0101004	0.0380	Au-ICP21	VO19105418
664.00	665.00	0.00	A0101005	0.0550	Au-ICP21	VO19105418
665.00	666.00	0.00	A0101006	0.2110	Au-ICP21	VO19105418
666.00	667.00	0.00	A0101007	0.1750	Au-ICP21	VO19105418
667.00	668.00	0.00	A0101009	0.1790	Au-ICP21	VO19105418
668.00	669.00	0.00	A0101010	0.0370	Au-ICP21	VO19105418
669.00	670.00	0.00	A0101011	0.0320	Au-ICP21	VO19105418
670.00	671.00	0.00	A0101012	0.1940	Au-ICP21	VO19105418
671.00	672.00	0.00	A0101013	0.0140	Au-ICP21	VO19105418
672.00	673.00	0.00	A0101014	0.0540	Au-ICP21	VO19105418
673.00	674.00	0.00	A0101015	0.0280	Au-ICP21	VO19105418
674.00	675.00	0.00	A0101016	0.0220	Au-ICP21	VO19105418

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	356.70	-48.30	Collar	57.00	358.37	-48.06	Reflex EZ-Gyro	87.00	356.28	-47.76	Reflex EZ-Gyro
102.00	359.55	-47.71	Reflex EZ-Gyro	117.00	358.57	-47.61	Reflex EZ-Gyro	132.00	358.36	-47.57	Reflex EZ-Gyro
147.00	357.20	-47.44	Reflex EZ-Gyro	207.00	358.38	-46.85	Reflex EZ-Gyro	222.00	358.31	-46.77	Reflex EZ-Gyro
252.00	358.63	-46.61	Reflex EZ-Gyro	282.00	358.65	-46.33	Reflex EZ-Gyro	312.00	358.19	-45.90	Reflex EZ-Gyro
327.00	358.35	-45.82	Reflex EZ-Gyro	357.00	359.26	-45.77	Reflex EZ-Gyro	372.00	357.30	-43.73	Reflex EZ-Gyro
387.00	357.97	-45.60	Reflex EZ-Gyro	402.00	359.30	-45.58	Reflex EZ-Gyro	417.00	359.25	-45.51	Reflex EZ-Gyro
432.00	359.15	-45.42	Reflex EZ-Gyro	447.00	357.85	-45.37	Reflex EZ-Gyro	462.00	358.81	-45.43	Reflex EZ-Gyro
477.00	359.79	-45.30	Reflex EZ-Gyro	492.00	357.57	-45.13	Reflex EZ-Gyro	507.00	358.02	-45.14	Reflex EZ-Gyro
522.00	359.88	-45.06	Reflex EZ-Gyro	537.00	358.80	-44.88	Reflex EZ-Gyro	552.00	358.91	-44.79	Reflex EZ-Gyro
567.00	359.27	-44.21	Reflex EZ-Gyro	582.00	359.31	-44.69	Reflex EZ-Gyro	597.00	359.74	-44.63	Reflex EZ-Gyro
612.00	359.55	-44.56	Reflex EZ-Gyro	627.00	358.07	-44.37	Reflex EZ-Gyro	642.00	357.22	-44.16	Reflex EZ-Gyro
657.00	359.72	-43.97	Reflex EZ-Gyro	672.00	358.32	-43.48	Reflex EZ-Gyro				

Drillhole Information

Easting: 706385.00
Northing: 5490712.00
Elevation: 291.00
Azimuth 358.20
Dip -55.10

Drilling Information

DrillCo: Pikogan
DrillID: PK1
DrillStart: 30-Mar-19
DrillEnd: 03-Apr-19
Length (m): 342.00

Logging Information

LogBy: C. Gagnier (OGQ #1068)
LogStart: 31-Mar-19
LogEnd: 03-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro was during drilling; the distances recorded in the table are corrected values, which are 3 m less than that recorded in the download file.

Résumé:

Forage DO-19-258, zone porphyre. Azimut: 358.2 degrés, plongée: - 55.1 degrés. Longueur planifiée : 340m. Longueur finale: 342m. Section : 706400E.

Objectifs du forage : Vérifier l'existence de deux zones économiques potentielles (en vue d'une fosse éventuelle):

a) de 180 à 220m 2) de 260 à 345m.

Le trou DO-12-95 a donné 1.48 g/t sur 27.5m (sur la même section).

Résultats: Après le mort-terrain se terminant à 41.5m, le trou traverse d'abord un basalte massif, homogène, magnétique et à phénocristaux de plagioclases jusqu'à 60.2m. Ensuite, jusqu'à 143m, nous avons un basalte magnétique injecté par 30% de syénite rosée. De 143m à 162.4m, nous voyons un basalte homogène à grain fin, toujours magnétique. Finalement, de 162.4 à 342m, le trou traverse une syénite multiphasées rosée à grisâtre, non magnétique. Elle est le plus fréquemment non porphyrique. Les contacts entre les intervalles porphyriques et non porphyriques sont habituellement diffus. Localement intensément bréchifiée, silicifiée et minéralisée. Localement poreuse avec cavités miarolitiques tapissées de fluorine violacée, barytine incolore à jaunâtre et pyrite secondaire. De multiples zones minéralisées sont interceptées, souvent au contacts basalte-syénite. Mais les plus intéressantes économiquement sont les suivantes :

1)De 75.0 à 79.8m : 2% pyrite disséminée, dans des bandes carbonatisées et des veinules.

2)De 166.5 à 201.8m : 2% pyrite et traces de chalcopyrite. Minéralisation irrégulière dans la syénite bréchifiée et fortement silicifiée : de 0% à 10% de pyrite en amas et en veinules.

Les hautes concentrations sont souvent dans les zones dolomitisées grises.

Côté structure, voici les traits majeurs :

1)localement bréchique de 166.5 à 218m.

2)faille caractérisée par une zone fracturée de 274.0 à 274.7m.

3)faille caractérisée par une zone fracturée de 336 à 337.1m.

4)faille avec boue de 337.40 à 337.41m.

Conclusions : La première cible espérée (de 180 à 220m) a bel et bien été atteinte. Elle est caractérisée par une importante bréchification. Cependant, la seconde, de 260 à 345m, bien que localement faillée, n'a pas révélé la présence d'une minéralisation intéressante (du moins visuellement).

Results:

58 - 59 m: 0.337 ppm Au/1 m	104 - 105 m: 0.27 ppm Au/1 m
163 - 210 m: 0.467 ppm Au/47 m	218 - 220 m: 0.887 ppm Au/2 m
229 - 245 m: 0.379 ppm Au/16 m	253 - 259 m: 0.264 ppm Au/6 m
268 - 295 m: 1.787 ppm Au/27 m	299 - 339 m: 0.414 ppm Au/40 m



C. Gagnier (OGQ #1068)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	41.50	M-T Mort terrain							
41.50	60.20	V3B Basalte 60° Basalte vert foncé massif, homogène contenant jusqu'à 25% d'aiguilles (cristaux squelettiques) de plagioclases blancs de 1mm. Fortement chloritisé, épidotisé et carbonatisé. Magnétique. Contient 5% d'injections de syénite parfois très petites (centimétriques). Contact inférieur net à 60 degrés formé par une injection de syénite.	41.50	42.00	0.00	V468161	0.0020	Au-ICP21	VO19091125
			42.00	43.00	0.00	V468162	0.0030	Au-ICP21	VO19091125
			43.00	44.00	0.00	V468163	0.0010	Au-ICP21	VO19091125
			44.00	45.00	0.00	V468164	0.0030	Au-ICP21	VO19091125
			45.00	46.00	0.00	V468165	0.0030	Au-ICP21	VO19091125
			46.00	47.00	0.00	V468166	0.0050	Au-ICP21	VO19091125
			47.00	48.00	0.00	V468167	0.0100	Au-ICP21	VO19091125
43.80	44.20	I2D Syénite 60° Gabbro montrant des bordures de trempe aux deux contacts à 30 degrés. L'intrusif contient 5-10% de phénocristaux d'un pyroxène vert foncé sub-automorphe de 1-2mm et 30% de feldspaths plagioclases beiges de même dimension. Fortement épidotisé.	48.00	49.00	0.00	V468168	0.0020	Au-ICP21	VO19091125
			49.00	50.00	0.00	V468170	0.0020	Au-ICP21	VO19091125
			50.00	51.00	0.00	V468171	0.0020	Au-ICP21	VO19091125
			51.00	52.00	0.00	V468172	0.0020	Au-ICP21	VO19091125
			52.00	53.00	0.00	V468173	0.0030	Au-ICP21	VO19091125
52.30	52.70	I2D Syénite 40° Gabbro montrant des bordures de trempe aux deux contacts à 30 degrés. L'intrusif contient 5-10% de phénocristaux d'un pyroxène vert foncé sub-automorphe de 1-2mm et 30% de feldspaths plagioclases beiges de même dimension. Fortement épidotisé.	53.00	54.00	0.00	V468174	0.0010	Au-ICP21	VO19091125
			54.00	55.00	0.00	V468175	0.0080	Au-ICP21	VO19091125
			55.00	56.00	0.00	V468176	0.0090	Au-ICP21	VO19091125
			56.00	57.00	0.00	V468177	0.0020	Au-ICP21	VO19091125
			57.00	58.00	0.00	V468178	0.0110	Au-ICP21	VO19091125
			58.00	59.00	0.00	V468179	0.3370	Au-ICP21	VO19091125
56.70	57.00	I2D Syénite 20° Gabbro montrant des bordures de trempe aux deux contacts à 30 degrés. L'intrusif contient 5-10% de phénocristaux d'un pyroxène vert foncé sub-automorphe de 1-2mm et 30% de feldspaths plagioclases beiges de même dimension. Fortement épidotisé.	59.00	60.00	0.00	V468180	0.0120	Au-ICP21	VO19091125

54.00 54.20 PY03
Pyrite 3%
Disséminée.

59.50 60.10 PY00.5
Pyrite 0.5%
Pyrite localisée dans des bandes carbonatisées.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
60.20	143.00	V3B I2D	60.00	61.00	0.00	V468181	0.0010	Au-ICP21	VO19091125
		Basalte avec 25 à 50% de syénite 60°	61.00	62.00	0.00	V468182	0.0020	Au-ICP21	VO19091125
		Contact supérieur net à 60 degrés. Basalte moyennement grenu vert massif semblable à l'unité précédente mais injecté par 30% de syénite rosée.	62.00	63.00	0.00	V468183	0.0010	Au-ICP21	VO19091125
		Magnétique. Fortement chloritisé, épidotisé et carbonatisé. Les contacts des injections ont tendances à être minéralisés sur quelques centimètres. Les zones minéralisées les plus intéressantes sont localisées dans les portions de mélange basalte/syénite. Les portions de basalte pur (non mélangées avec la syénite) montrent fréquemment jusqu'à 25% de phénocristaux de 1mm en aiguilles blanches verdâtres de plagioclases. Ces cristaux squelettiques ont tendances à se regrouper en petits amas millimétriques (texture gloméroporphyrrique). Le contact exact des intrusions syénitiques est parfois délicat à établir: ceci se produit lorsque la syénite est digérée par le basalte (souvent les portions les plus intéressantes économiquement). Contact inférieur net à 70 degrés.	63.00	64.00	0.00	V468185	0.0020	Au-ICP21	VO19091125
			64.00	65.00	0.00	V468186	0.0020	Au-ICP21	VO19091125
			65.00	66.00	0.00	V468187	0.0010	Au-ICP21	VO19091125
			66.00	67.00	0.00	V468188	0.0020	Au-ICP21	VO19091125
			67.00	68.00	0.00	V468189	0.0040	Au-ICP21	VO19091125
			68.00	69.00	0.00	V468190	0.0040	Au-ICP21	VO19091125
			69.00	70.00	0.00	V468191	0.0080	Au-ICP21	VO19091125
			70.00	71.00	0.00	V468192	0.0005	Au-ICP21	VO19091125
			71.00	72.00	0.00	V468193	0.0010	Au-ICP21	VO19091125
			72.00	73.00	0.00	V468194	0.0060	Au-ICP21	VO19091125
86.75	87.00	I2D	73.00	74.00	0.00	V468195	0.0020	Au-ICP21	VO19091125
		Syénite 40°	74.00	75.00	0.00	V468196	0.0010	Au-ICP21	VO19091125
		Gabbro montrant des bordures de trempe aux deux contacts à 30 degrés. L'intrusif contient 5-10% de phénocristaux d'un pyroxène vert foncé sub-automorphe de 1-2mm et 30% de feldspaths plagioclases beiges de même dimension. Fortement épidotisé.	75.00	76.00	0.00	V468197	0.0040	Au-ICP21	VO19091125
			76.00	77.00	0.00	V468198	0.0190	Au-ICP21	VO19091125
			77.00	78.00	0.00	V468199	0.0160	Au-ICP21	VO19091125
			78.00	79.00	0.00	V468201	0.0070	Au-ICP21	VO19091125
93.20	100.40	I2D V3B	79.00	80.00	0.00	V468202	0.0050	Au-ICP21	VO19091125
		Syénite avec 25 à 50% de basalte 50°	80.00	81.00	0.00	V468203	0.0040	Au-ICP21	VO19091125
		Gabbro montrant des bordures de trempe aux deux contacts à 30 degrés. L'intrusif contient 5-10% de phénocristaux d'un pyroxène vert foncé sub-automorphe de 1-2mm et 30% de feldspaths plagioclases beiges de même dimension. Fortement épidotisé.	81.00	82.00	0.00	V468204	0.0030	Au-ICP21	VO19091125
			82.00	83.00	0.00	V468205	0.0060	Au-ICP21	VO19091125
			83.00	84.00	0.00	V468206	0.0050	Au-ICP21	VO19091125
			84.00	85.00	0.00	V468207	0.0070	Au-ICP21	VO19091125
41.50	82.20	CL; CB; EP; HM	85.00	86.00	0.00	V468209	0.0150	Au-ICP21	VO19091125
		Chloritisation; Carbonatisation; Épidotisation; Hématisation	86.00	87.00	0.00	V468210	0.0230	Au-ICP21	VO19091125
			87.00	88.00	0.00	V468211	0.0070	Au-ICP21	VO19091125

82.20	85.50	CL; EP Chloritisation; Épidotisation		88.00	89.00	0.00	V468212	0.0080	Au-ICP21	VO19091125
				89.00	90.00	0.00	V468213	0.0110	Au-ICP21	VO19091125
85.50	94.60	EP; CL; CB Épidotisation; Chloritisation; Carbonatisation		90.00	91.00	0.00	V468214	0.0030	Au-ICP21	VO19091125
				91.00	92.00	0.00	V468215	0.0005	Au-ICP21	VO19091125
94.60	98.70	HM; CL Hématisation; Chloritisation		92.00	93.00	0.00	V468216	0.0020	Au-ICP21	VO19091125
				93.00	94.00	0.00	V468217	0.0150	Au-ICP21	VO19091125
98.70	118.50	CL; EP; HM; CB Chloritisation; Épidotisation; Hématisation; Carbonatisation		94.00	95.00	0.00	V468218	0.0250	Au-ICP21	VO19091125
				95.00	96.00	0.00	V468219	0.0010	Au-ICP21	VO19091125
118.50	122.30	EP; CL Épidotisation; Chloritisation		96.00	97.00	0.00	V468220	0.0200	Au-ICP21	VO19091125
				97.00	98.00	0.00	V468221	0.0060	Au-ICP21	VO19091125
122.30	144.00	EP; CL; HM; CB Épidotisation; Chloritisation; Hématisation; Carbonatisation		98.00	99.00	0.00	V468222	0.0005	Au-ICP21	VO19091125
				99.00	100.00	0.00	V468223	0.0040	Au-ICP21	VO19091125
69.80	70.10	PY01.5 Pyrite 1.5%		100.00	101.00	0.00	V468224	0.0010	Au-ICP21	VO19091125
		Pyrite dans des bandes carbonatisées orientées à 60 degrés. Le tout dans une zone de mélange basalte-syénite.		101.00	102.00	0.00	V468226	0.0110	Au-ICP21	VO19091125
				102.00	103.00	0.00	V468227	0.0030	Au-ICP21	VO19091125
				103.00	104.00	0.00	V468228	0.0490	Au-ICP21	VO19091125
75.00	79.80	PY02 Pyrite 2%		104.00	105.00	0.00	V468229	0.2700	Au-ICP21	VO19091125
		Dans une zone de mélange basalte/syénite: minéralisation irrégulière, de 0.5% à 5% pyrite localisée dans des bandes carbonatisées, des veinules et aussi disséminée.		105.00	106.00	0.00	V468230	0.0020	Au-ICP21	VO19091125
				106.00	107.00	0.00	V468231	0.0010	Au-ICP21	VO19091125
				107.00	108.00	0.00	V468232	0.0005	Au-ICP21	VO19091125
				108.00	109.00	0.00	V468233	0.0005	Au-ICP21	VO19091125
52.00	74.00	FA Fracturé(e)		109.00	110.00	0.00	V468234	0.0005	Au-ICP21	VO19091125
		Moyennement fracturé.		110.00	111.00	0.00	V468235	0.0020	Au-ICP21	VO19091125
				111.00	112.00	0.00	V468236	0.0050	Au-ICP21	VO19091125
86.75	87.00	BX Bréchique		112.00	113.00	0.00	V468237	0.0010	Au-ICP21	VO19091125
		Intrusion syénitique bréchifiée.		113.00	114.00	0.00	V468238	0.0050	Au-ICP21	VO19091125
				114.00	115.00	0.00	V468239	0.0020	Au-ICP21	VO19091125
130.40	130.75	Dissolution Cavité de dissolution 40°	40	115.00	116.00	0.00	V468241	0.0060	Au-ICP21	VO19091125
				116.00	117.00	0.00	V468242	0.0010	Au-ICP21	VO19091125
				117.00	118.00	0.00	V468243	0.0010	Au-ICP21	VO19091125
				118.00	119.00	0.00	V468244	0.0010	Au-ICP21	VO19091125
				119.00	120.00	0.00	V468245	0.0010	Au-ICP21	VO19091125
				120.00	121.00	0.00	V468246	0.0010	Au-ICP21	VO19091125
				121.00	122.00	0.00	V468247	0.0030	Au-ICP21	VO19091125
				122.00	123.00	0.00	V468248	0.0010	Au-ICP21	VO19091125
				123.00	124.00	0.00	V468249	0.0010	Au-ICP21	VO19091125
				124.00	125.00	0.00	V468250	0.0005	Au-ICP21	VO19091125
				125.00	126.00	0.00	V468251	0.0040	Au-ICP21	VO19091125

126.00	127.00	0.00	V468252	0.0040	Au-ICP21	VO19091125
127.00	128.00	0.00	V468253	0.0030	Au-ICP21	VO19091125
128.00	129.00	0.00	V468254	0.0050	Au-ICP21	VO19091125
129.00	130.00	0.00	V468255	0.0020	Au-ICP21	VO19091125
130.00	131.00	0.00	V468257	0.0040	Au-ICP21	VO19091125
131.00	132.00	0.00	V468258	0.0040	Au-ICP21	VO19091125
132.00	133.00	0.00	V468259	0.0110	Au-ICP21	VO19091125
133.00	134.00	0.00	V468260	0.0030	Au-ICP21	VO19091125
134.00	135.00	0.00	V468261	0.0010	Au-ICP21	VO19091125
135.00	136.00	0.00	V468262	0.0010	Au-ICP21	VO19091125
136.00	137.00	0.00	V468263	0.0005	Au-ICP21	VO19091125
137.00	138.00	0.00	V468264	0.0050	Au-ICP21	VO19091125
138.00	139.00	0.00	V468265	0.0060	Au-ICP21	VO19091125
139.00	140.00	0.00	V468266	0.0020	Au-ICP21	VO19091125
140.00	141.00	0.00	V468267	0.0010	Au-ICP21	VO19091125
141.00	142.00	0.00	V468268	0.0020	Au-ICP21	VO19091125
142.00	143.00	0.00	V468269	0.0050	Au-ICP21	VO19091125

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
143.00	162.40	V3B Basalte 70° Contacts francs à 70 degrés. Basalte vert/gris foncé homogène, massif, à grain plus fin que l'unité précédente: finement grenu montrant des squelettes de phénocristaux de 0.1mm. Magnétique. Fortement épidotisé et chloritisé. Le contact inférieur montre une bordure de trempe caractérisée par une diminution de la granulométrie de la matrice du côté basalte (qui passe d'une granulométrie finement grenue soit 0.1mm à aphanitique) et qui acquiert une cassure conchoïdale.	143.00	144.00	0.00	V468270	0.0020	Au-ICP21	VO19091125
			144.00	145.00	0.00	V468271	0.0005	Au-ICP21	VO19091125
			145.00	146.00	0.00	V468272	0.0010	Au-ICP21	VO19091125
			146.00	147.00	0.00	V468274	0.0020	Au-ICP21	VO19091125
			147.00	148.00	0.00	V468275	0.0010	Au-ICP21	VO19103996
			148.00	149.00	0.00	V468276	0.0010	Au-ICP21	VO19103996
			149.00	150.00	0.00	V468277	0.0020	Au-ICP21	VO19103996
			150.00	151.00	0.00	V468278	0.0020	Au-ICP21	VO19103996
156.85	158.70	I3 Intrusif mafique 30° Gabbro montrant des bordures de trempe aux deux contacts à 30 degrés. L'intrusif contient 5-10% de phénocristaux d'un pyroxène vert foncé sub-automorphe de 1-2mm et 30% de feldspaths plagioclases beiges de même dimension. Fortement épidotisé.	151.00	152.00	0.00	V468279	0.0020	Au-ICP21	VO19103996
			152.00	153.00	0.00	V468280	0.0020	Au-ICP21	VO19103996
			153.00	154.00	0.00	V468281	0.0010	Au-ICP21	VO19103996
			154.00	155.00	0.00	V468282	0.0010	Au-ICP21	VO19103996
			155.00	156.00	0.00	V468283	0.0010	Au-ICP21	VO19103996
			156.00	157.00	0.00	V468284	0.0020	Au-ICP21	VO19103996
144.00	162.30	EP; CL Épidotisation; Chloritisation Forte altération pénétrante: épidotisation et chloritisation.	157.00	158.00	0.00	V468285	0.0040	Au-ICP21	VO19103996
			158.00	159.00	0.00	V468286	0.0020	Au-ICP21	VO19103996
			159.00	160.00	0.00	V468287	0.0010	Au-ICP21	VO19103996
			160.00	161.00	0.00	V468289	0.0010	Au-ICP21	VO19103996
			161.00	162.30	0.00	V468290	0.0020	Au-ICP21	VO19103996

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
162.40	342.00	I2D	162.30	163.00	0.00	V468291	0.0030	Au-ICP21	VO19103996
		Syénite 70°	163.00	164.00	0.00	V468292	0.1090	Au-ICP21	VO19103996
		Contact supérieur net à 70 degrés montrant une bordure de trempe. Syénite multiphasées rosée à grisâtre. Varie de non porphyrique (cas le plus fréquent) à porphyrique sans contacts francs. Localement intensément bréchifiée, silicifiée et minéralisée. Voir la description de la minéralisation dans la section correspondante. Localement poreux avec cavités miarolitiques tapissées de fluorine violacée, barytine incolore à jaunâtre (dureté: 3) et pyrite secondaire. Traces de titanite (plus ou moins altérée en leucoxène). FIN DU TROU: 342m	164.00	165.00	0.00	V468293	0.1140	Au-ICP21	VO19103996
			165.00	166.00	0.00	V468294	0.2410	Au-ICP21	VO19103996
			166.00	167.00	0.00	V468295	0.0310	Au-ICP21	VO19103996
			167.00	168.00	0.00	V468296	0.0530	Au-ICP21	VO19103996
			168.00	169.00	0.00	V468297	0.2850	Au-ICP21	VO19103996
			169.00	170.00	0.00	V468298	0.3120	Au-ICP21	VO19103996
			170.00	171.00	0.00	V468299	0.0110	Au-ICP21	VO19103996
			171.00	172.00	0.00	V468300	0.1880	Au-ICP21	VO19103996
162.30	166.50	CB; CL	172.00	173.00	0.00	V468301	0.0940	Au-ICP21	VO19103996
		Carbonatisation; Chloritisation	173.00	174.00	0.00	V468302	0.2070	Au-ICP21	VO19103996
166.50	342.00	HM; Si; CB-FL	174.00	175.00	0.00	V468303	0.1420	Au-ICP21	VO19103996
		Hématisation; Silicification; Carbonate-fluorite	175.00	176.00	0.00	V468305	0.1320	Au-ICP21	VO19103996
		Forte silicification. Dolomitisation donnant une teinte grisâtre et habituellement fortement minéralisé. Présence de fluorine violacée.	176.00	177.00	0.00	V468306	0.4660	Au-ICP21	VO19103996
			177.00	178.00	0.00	V468307	0.3460	Au-ICP21	VO19103996
166.50	201.80	PY02; CPtr	178.00	179.00	0.00	V468308	0.6180	Au-ICP21	VO19103996
		Pyrite 2%; Chalcopyrite tr	179.00	180.00	0.00	V468309	0.2080	Au-ICP21	VO19103996
		Minéralisation irrégulière dans la syénite bréchifiée et fortement silicifiée: de 0% à 10% (moyenne: 2%) de pyrite et traces de chalcopyrite disséminées, en amas et en veinules. Les hautes concentrations sont souvent dans les zones grises (dolomitisées).	180.00	181.00	0.00	V468310	0.2610	Au-ICP21	VO19103996
			181.00	182.00	0.00	V468311	0.1710	Au-ICP21	VO19103996
			182.00	183.00	0.00	V468312	0.1150	Au-ICP21	VO19103996
237.40	237.80	PY00.8	183.00	184.00	0.00	V468313	0.1670	Au-ICP21	VO19103996
		Pyrite 0.8%	184.00	185.00	0.00	V468314	0.3390	Au-ICP21	VO19103996
		Pyrite disséminée et en amas.	185.00	186.00	0.00	V468315	0.2590	Au-ICP21	VO19103996
			186.00	187.00	0.00	V468316	0.3010	Au-ICP21	VO19103996
253.70	253.90	PY02	187.00	188.00	0.00	V468317	0.1340	Au-ICP21	VO19103996
		Pyrite 2%	188.00	189.00	0.00	V468318	5.8600	Au-ICP21	VO19103996
		Entre deux veines, 2% de veinules de pyrite.	189.00	190.00	0.00	V468319	1.6100	Au-ICP21	VO19103996
257.60	259.40	PY00.5	190.00	191.00	0.00	V468320	0.2500	Au-ICP21	VO19103996
		Pyrite 0.5%	191.00	192.00	0.00	V468322	1.7800	Au-ICP21	VO19103996
		Pyrite disséminée et en amas.	192.00	193.00	0.00	V468323	0.1930	Au-ICP21	VO19103996
308.00	310.00	PY00.3	193.00	194.00	0.00	V468324	0.0420	Au-ICP21	VO19103996
		Pyrite 0.3%	194.00	195.00	0.00	V468325	0.2030	Au-ICP21	VO19103996
		Disséminée.	195.00	196.00	0.00	V468326	0.0650	Au-ICP21	VO19103996
166.50	218.00	BX	196.00	197.00	0.00	V468327	0.0580	Au-ICP21	VO19103996
		Bréchique	197.00	198.00	0.00	V468328	0.0440	Au-ICP21	VO19103996

274.00	274.70	FA		198.00	199.00	0.00	V468329	0.1110	Au-ICP21	VO19103996
		Fracturé(e)		199.00	200.00	0.00	V468330	0.0830	Au-ICP21	VO19103996
287.80	287.90	Dissolution40		200.00	201.00	0.00	V468331	0.1030	Au-ICP21	VO19103996
		Cavité de dissolution40		201.00	202.00	0.00	V468332	0.9170	Au-ICP21	VO19103996
290.00	290.10	Dissolution	60	202.00	203.00	0.00	V468333	1.6100	Au-ICP21	VO19103996
		Cavité de dissolution 60°		203.00	204.00	0.00	V468334	2.6800	Au-ICP21	VO19103996
290.64	290.69	Dissolution	50	204.00	205.00	0.00	V468335	0.1930	Au-ICP21	VO19103996
		Cavité de dissolution 50°		205.00	206.00	0.00	V468337	0.2620	Au-ICP21	VO19103996
309.30	310.70	Dissolution	50	206.00	207.00	0.00	V468338	0.1040	Au-ICP21	VO19103996
		Cavité de dissolution 50°		207.00	208.00	0.00	V468339	0.0520	Au-ICP21	VO19103996
336.00	337.10	FA		208.00	209.00	0.00	V468340	0.0340	Au-ICP21	VO19103996
		Fracturé(e)		209.00	210.00	0.00	V468341	0.4010	Au-ICP21	VO19103996
337.40	337.41	FJ	80	210.00	211.00	0.00	V468342	0.0620	Au-ICP21	VO19103996
		Faille 80°		211.00	212.00	0.00	V468343	0.0090	Au-ICP21	VO19103996
		Boue de faille argilleuse.		212.00	213.00	0.00	V468344	0.0590	Au-ICP21	VO19103996
				213.00	214.00	0.00	V468345	0.1990	Au-ICP21	VO19103996
				214.00	215.00	0.00	V468346	0.0200	Au-ICP21	VO19103996
				215.00	216.00	0.00	V468347	0.0270	Au-ICP21	VO19103996
				216.00	217.00	0.00	V468348	0.0300	Au-ICP21	VO19103996
				217.00	218.00	0.00	V468349	0.0220	Au-ICP21	VO19103996
				218.00	219.00	0.00	V468350	0.5180	Au-ICP21	VO19103996
				219.00	220.00	0.00	V468351	1.2550	Au-ICP21	VO19103996
				220.00	221.00	0.00	V468353	0.0990	Au-ICP21	VO19103996
				221.00	222.00	0.00	V468354	0.0840	Au-ICP21	VO19103996
				222.00	223.00	0.00	V468355	0.1730	Au-ICP21	VO19103996
				223.00	224.00	0.00	V468356	0.0440	Au-ICP21	VO19103996
				224.00	225.00	0.00	V468357	0.0080	Au-ICP21	VO19103996
				225.00	226.00	0.00	V468358	0.0130	Au-ICP21	VO19103996
				226.00	227.00	0.00	V468359	0.0120	Au-ICP21	VO19103996
				227.00	228.00	0.00	V468360	0.0040	Au-ICP21	VO19103996
				228.00	229.00	0.00	V468361	0.0260	Au-ICP21	VO19103996
				229.00	230.00	0.00	V468362	0.1440	Au-ICP21	VO19103996
				230.00	231.00	0.00	V468363	0.2030	Au-ICP21	VO19103996
				231.00	232.00	0.00	V468364	2.6300	Au-ICP21	VO19103996
				232.00	233.00	0.00	V468365	0.0220	Au-ICP21	VO19103996
				233.00	234.00	0.00	V468366	0.4410	Au-ICP21	VO19103996
				234.00	235.00	0.00	V468367	0.2690	Au-ICP21	VO19103996
				235.00	236.00	0.00	V468368	0.0940	Au-ICP21	VO19103996

236.00	237.00	0.00	V468370	0.0350	Au-ICP21	VO19103996
237.00	238.00	0.00	V468371	0.5410	Au-ICP21	VO19103996
238.00	239.00	0.00	V468372	0.6340	Au-ICP21	VO19103996
239.00	240.00	0.00	V468373	0.2130	Au-ICP21	VO19103996
240.00	241.00	0.00	V468374	0.1970	Au-ICP21	VO19103996
241.00	242.00	0.00	V468375	0.2190	Au-ICP21	VO19103996
242.00	243.00	0.00	V468376	0.1370	Au-ICP21	VO19103996
243.00	244.00	0.00	V468377	0.0220	Au-ICP21	VO19103996
244.00	245.00	0.00	V468378	0.2620	Au-ICP21	VO19103996
245.00	246.00	0.00	V468379	0.0170	Au-ICP21	VO19104002
246.00	247.00	0.00	V468380	0.0070	Au-ICP21	VO19104002
247.00	248.00	0.00	V468381	0.0400	Au-ICP21	VO19104002
248.00	249.00	0.00	V468382	0.0190	Au-ICP21	VO19104002
249.00	250.00	0.00	V468383	0.0070	Au-ICP21	VO19104002
250.00	251.00	0.00	V468385	0.0130	Au-ICP21	VO19104002
251.00	252.00	0.00	V468386	0.1000	Au-ICP21	VO19104002
252.00	253.00	0.00	V468387	0.1160	Au-ICP21	VO19104002
253.00	254.00	0.00	V468388	0.3570	Au-ICP21	VO19104002
254.00	255.00	0.00	V468389	0.0560	Au-ICP21	VO19104002
255.00	256.00	0.00	V468390	0.1000	Au-ICP21	VO19104002
256.00	257.00	0.00	V468391	0.0660	Au-ICP21	VO19104002
257.00	258.00	0.00	V468392	0.3330	Au-ICP21	VO19104002
258.00	259.00	0.00	V468393	0.6720	Au-ICP21	VO19104002
259.00	260.00	0.00	V468394	0.0850	Au-ICP21	VO19104002
260.00	261.00	0.00	V468395	0.0870	Au-ICP21	VO19104002
261.00	262.00	0.00	V468396	0.1010	Au-ICP21	VO19104002
262.00	263.00	0.00	V468397	0.0710	Au-ICP21	VO19104002
263.00	264.00	0.00	V468398	0.0110	Au-ICP21	VO19104002
264.00	265.00	0.00	V468399	0.0240	Au-ICP21	VO19104002
265.00	266.00	0.00	V468401	0.0550	Au-ICP21	VO19104002
266.00	267.00	0.00	V468402	0.0160	Au-ICP21	VO19104002
267.00	268.00	0.00	V468403	0.0130	Au-ICP21	VO19104002
268.00	269.00	0.00	V468404	0.1030	Au-ICP21	VO19104002
269.00	270.00	0.00	V468405	0.0580	Au-ICP21	VO19104002
270.00	271.00	0.00	V468406	0.5200	Au-ICP21	VO19104002
271.00	272.00	0.00	V468407	0.2110	Au-ICP21	VO19104002
272.00	273.00	0.00	V468409	0.1130	Au-ICP21	VO19104002
273.00	274.00	0.00	V468410	0.1220	Au-ICP21	VO19104002

274.00	275.00	0.00	V468411	0.7530	Au-ICP21	VO19104002
275.00	276.00	0.00	V468412	26.7000	Au-GRA2	VO19104002
276.00	277.00	0.00	V468413	1.1650	Au-ICP21	VO19104002
277.00	278.00	0.00	V468414	0.0650	Au-ICP21	VO19104002
278.00	279.00	0.00	V468415	1.0800	Au-ICP21	VO19104002
279.00	280.00	0.00	V468416	0.8950	Au-ICP21	VO19104002
280.00	281.00	0.00	V468417	0.0650	Au-ICP21	VO19104002
281.00	282.00	0.00	V468418	0.1750	Au-ICP21	VO19104002
282.00	283.00	0.00	V468419	0.1070	Au-ICP21	VO19104002
283.00	284.00	0.00	V468420	0.1850	Au-ICP21	VO19104002
284.00	285.00	0.00	V468421	4.2900	Au-ICP21	VO19104002
285.00	286.00	0.00	V468422	0.2160	Au-ICP21	VO19104002
286.00	287.00	0.00	V468423	0.2280	Au-ICP21	VO19104002
287.00	288.00	0.00	V468424	0.2500	Au-ICP21	VO19104002
288.00	289.00	0.00	V468426	1.0600	Au-ICP21	VO19104002
289.00	290.00	0.00	V468427	3.9200	Au-ICP21	VO19104002
290.00	291.00	0.00	V468428	0.3420	Au-ICP21	VO19104002
291.00	292.00	0.00	V468429	0.3170	Au-ICP21	VO19104002
292.00	293.00	0.00	V468430	4.8800	Au-ICP21	VO19104002
293.00	294.00	0.00	V468431	0.2380	Au-ICP21	VO19104002
294.00	295.00	0.00	V468432	0.1830	Au-ICP21	VO19104002
295.00	296.00	0.00	V468433	0.0820	Au-ICP21	VO19104002
296.00	297.00	0.00	V468434	0.0790	Au-ICP21	VO19104002
297.00	298.00	0.00	V468435	0.0540	Au-ICP21	VO19104002
298.00	299.00	0.00	V468436	0.0920	Au-ICP21	VO19104002
299.00	300.00	0.00	V468437	0.1590	Au-ICP21	VO19104002
300.00	301.00	0.00	V468438	0.6640	Au-ICP21	VO19104002
301.00	302.00	0.00	V468439	0.0940	Au-ICP21	VO19104002
302.00	303.00	0.00	V468441	0.3150	Au-ICP21	VO19104002
303.00	304.00	0.00	V468442	0.7170	Au-ICP21	VO19104002
304.00	305.00	0.00	V468443	2.3400	Au-ICP21	VO19104002
305.00	306.00	0.00	V468444	0.3730	Au-ICP21	VO19104002
306.00	307.00	0.00	V468445	0.4000	Au-ICP21	VO19104002
307.00	308.00	0.00	V468446	0.1570	Au-ICP21	VO19104002
308.00	309.00	0.00	V468447	0.3420	Au-ICP21	VO19104002
309.00	310.00	0.00	V468448	1.0750	Au-ICP21	VO19104002
310.00	311.00	0.00	V468449	0.7920	Au-ICP21	VO19104002
311.00	312.00	0.00	V468450	0.2600	Au-ICP21	VO19104002

312.00	313.00	0.00	V468451	0.3810	Au-ICP21	VO19104002
313.00	314.00	0.00	V468452	0.9240	Au-ICP21	VO19104002
314.00	315.00	0.00	V468453	1.2450	Au-ICP21	VO19104002
315.00	316.00	0.00	V468454	0.1390	Au-ICP21	VO19104002
316.00	317.00	0.00	V468455	0.1230	Au-ICP21	VO19104002
317.00	318.00	0.00	V468457	0.0430	Au-ICP21	VO19104002
318.00	319.00	0.00	V468458	0.0860	Au-ICP21	VO19104002
319.00	320.00	0.00	V468459	0.2950	Au-ICP21	VO19104002
320.00	321.00	0.00	V468460	0.1170	Au-ICP21	VO19104002
321.00	322.00	0.00	V468461	0.1570	Au-ICP21	VO19104002
322.00	323.00	0.00	V468462	0.2080	Au-ICP21	VO19104002
323.00	324.00	0.00	V468463	1.3900	Au-ICP21	VO19104002
324.00	325.00	0.00	V468464	0.0310	Au-ICP21	VO19104002
325.00	326.00	0.00	V468465	0.0460	Au-ICP21	VO19104002
326.00	327.00	0.00	V468466	0.6130	Au-ICP21	VO19104002
327.00	328.00	0.00	V468467	0.2660	Au-ICP21	VO19104002
328.00	329.00	0.00	V468468	0.3450	Au-ICP21	VO19104002
329.00	330.00	0.00	V468469	0.0810	Au-ICP21	VO19104002
330.00	331.00	0.00	V468470	0.0450	Au-ICP21	VO19104002
331.00	332.00	0.00	V468471	0.1540	Au-ICP21	VO19104002
332.00	333.00	0.00	V468472	0.1790	Au-ICP21	VO19104002
333.00	334.00	0.00	V468474	0.5900	Au-ICP21	VO19104002
334.00	335.00	0.00	V468475	0.0520	Au-ICP21	VO19104002
335.00	336.00	0.00	V468476	0.0180	Au-ICP21	VO19104002
336.00	337.00	0.00	V468477	0.1280	Au-ICP21	VO19104002
337.00	338.00	0.00	V468478	0.0360	Au-ICP21	VO19104002
338.00	339.00	0.00	V468479	1.1650	Au-ICP21	VO19104002
339.00	340.00	0.00	V468480	0.0240	Au-ICP21	VO19104002
340.00	341.00	0.00	V468481	0.0880	Au-ICP21	VO19104002
341.00	342.00	0.00	V468482	0.0530	Au-ICP21	VO19104002

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	358.20	-55.10	Collar	48.00	359.62	-55.08	Reflex EZ-Gyro	48.01	359.08	-55.08	Reflex EZ-Gyro
63.00	0.33	-55.02	Reflex EZ-Gyro	93.00	359.87	-55.00	Reflex EZ-Gyro	129.00	0.27	-54.51	Reflex EZ-Gyro
132.00	0.20	-54.60	Reflex EZ-Gyro	159.00	0.41	-54.37	Reflex EZ-Gyro	189.00	2.55	-54.37	Reflex EZ-Gyro
219.00	2.56	-53.90	Reflex EZ-Gyro	249.00	2.36	-53.68	Reflex EZ-Gyro	255.00	2.82	-53.65	Reflex EZ-Gyro
279.00	3.09	-53.22	Reflex EZ-Gyro	309.00	3.10	-53.20	Reflex EZ-Gyro	339.00	2.47	-52.14	Reflex EZ-Gyro

Drillhole Information

Easting: 706623.00
Northing: 5489152.00
Elevation: 290.00
Azimuth 358.90
Dip -55.30

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-93
DrillStart: 03-Apr-19
DrillEnd: 07-Apr-19
Length (m): 336.00

Logging Information

LogBy: T. Coyle (OGQ #2079)
LogStart: 04-Apr-19
LogEnd: 08-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro. The file date/time stamps suggests the the survey was run down into the hole and then out of the hole. The readngs on the latter set of measurements are erratic and should not be used. The first set of readings are also somewhat erratic, with some swings that don't seem reasonable. The readings were not optimized and are by nature less accurate. The distances recorded in the table are values that were adjusted at site by- 3 m from that recorded in the download file.

After 27.5 meters of overburden this hole intersected a variably carbonate altered basalt with intervals of weak magetism down to 159.95 meters. 1 or 2% pyrite is present in some carbonate veins.

From 159.95 to 162.0m this drillhole intersected a strongly magnetic foliated basalt with intervals of a siliceous dark burgundy coloured intrusive (syenite?) bearing 0.2 % fine pyrite.

This unit was followed by a massive, gabbroic textured, basalt with abundant fine ragged anhedral to subhedral pale gray plagioclase grains down to 173.8 m.

From 173.80 to 189.15m the hole intersected a moderately foliated to massive basalt with short intervals of felsic intrusive. All of this interval is strongly carbonatized.

From 189.15 to 197.10 this drillhole intersected a strongly carbonatized, and weakly foliated, pinkish, gray feldspar rich syenite bearing 0.3% fine pyrite.

A strongly carbonate altered and foliated, moderately magnetic basalt follows from 197.10 to 200.40m; within it are short intervals of carbonatized, weakly foliated pink and gray mottled intrusive with overall 0.3 % disseminated pyrite.

From 200.4 to 305.4 a badly beat up basalt which is strongly carbonatized and locally epidotized with locally flooding by amorphous silica with epidote and carbonate as minor components. Intervals display matrix-supported breccia of basalt fragments.

This interval is followed by an interval of coarse grain salt and pepper texture unit with chloritized amphiboles (looks like a diorite) with 0.2% fine pyrite from 305.4 to 307.65. From 307.65 to 316.6m strongly altered basalt same as at 200.4m.

From 316.6 to 334.65 this drillhole intersected a dark gray, finegrained, aphanitic, weakly magnetic massive diabase dyke with no veining. From 334.65 to 336m this hole intersected an altered zone of fine pink to black to gray fine lams at 45 dtca- moderately carbonatized and weakly magnetic with two short intervals of pink syenite.

Results:
275 - 276 m: 0.308 ppm Au/1 m

PHILIP TERRENCE Coyle
P.S. Coyle
OGQ # 2079

T. Coyle (OGQ #2079)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	27.50	M-T Mort terrain Overburden							
27.50	46.50	V3B Basalte Basalt. Medium grey to greenish-grey, fine grained. Pervasive carbonate veinlets. From 35 to 39m moderate fracturing blocky core vuggy in places. Trace pyrite as specks along some carbonate veinlets. Bleaching from 40 to 43m. Blocky vuggy core from 44 to 45m. Lower contact gradual.	27.50	28.50	0.00	A0102501	0.0010	Au-ICP21	VO19105423
			28.50	29.30	0.00	A0102502	0.0010	Au-ICP21	VO19105423
			29.30	30.20	0.00	A0102503	0.0005	Au-ICP21	VO19105423
			30.20	31.10	0.00	A0102505	0.0020	Au-ICP21	VO19105423
			31.10	32.00	0.00	A0102506	0.0005	Au-ICP21	VO19105423
			32.00	33.00	0.00	A0102507	0.0005	Au-ICP21	VO19105423
			33.00	34.00	0.00	A0102508	0.0005	Au-ICP21	VO19105423
			34.00	35.00	0.00	A0102509	0.0005	Au-ICP21	VO19105423
			35.00	36.00	0.00	A0102510	0.0005	Au-ICP21	VO19105423
			36.00	37.00	0.00	A0102511	0.0005	Au-ICP21	VO19105423
			37.00	38.00	0.00	A0102512	0.0020	Au-ICP21	VO19105423
			38.00	39.00	0.00	A0102513	0.0005	Au-ICP21	VO19105423
			39.00	40.00	0.00	A0102514	0.0005	Au-ICP21	VO19105423
			40.00	41.00	0.00	A0102515	0.0005	Au-ICP21	VO19105423
			41.00	42.00	0.00	A0102516	0.0010	Au-ICP21	VO19105423
			42.00	43.00	0.00	A0102517	0.0005	Au-ICP21	VO19105423
			43.00	44.00	0.00	A0102518	0.0005	Au-ICP21	VO19105423
			44.00	45.00	0.00	A0102519	0.0005	Au-ICP21	VO19105423
			45.00	46.00	0.00	A0102520	0.0005	Au-ICP21	VO19105423
			46.00	47.00	0.00	A0102522	0.0005	Au-ICP21	VO19105423
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate

46.50	56.00	V3B Basalte Grey, coarse grained, massive basaltic flow. 30-40% dark green euhedral hornblende up to 4mm. Plagioclase has a faint orange hue. 1-2% very finely disseminated pyrite. Minor carbonate veins with small pyrite blebs along the edges from 52.7 to 53.6m. Lower contact gradual.	47.00	48.00	0.00	A0102523	0.0005	Au-ICP21	VO19105423
			48.00	49.00	0.00	A0102524	0.0010	Au-ICP21	VO19105423
			49.00	50.00	0.00	A0102525	0.0005	Au-ICP21	VO19105423
			50.00	51.00	0.00	A0102526	0.0005	Au-ICP21	VO19105423
			51.00	52.00	0.00	A0102527	0.0005	Au-ICP21	VO19105423
			52.00	53.00	0.00	A0102528	0.0005	Au-ICP21	VO19105423
			53.00	54.00	0.00	A0102529	0.0005	Au-ICP21	VO19105423
			54.00	55.00	0.00	A0102530	0.0005	Au-ICP21	VO19105423
			55.00	56.00	0.00	A0102531	0.0005	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
56.00	92.00	V3B Basalte Medium grey to greenish-grey, fine grained aphanitic basalt. Pervasive carbonate veinlets. Larger veins have specks of pyrite and chlorite at 61m and 62.2m	56.00	57.00	0.00	A0102532	0.0020	Au-ICP21	VO19105423
			57.00	58.00	0.00	A0102533	0.0005	Au-ICP21	VO19105423
			58.00	59.00	0.00	A0102534	0.0020	Au-ICP21	VO19105423
			59.00	60.00	0.00	A0102535	0.0010	Au-ICP21	VO19105423
			60.00	61.00	0.00	A0102537	0.0010	Au-ICP21	VO19105423
			61.00	62.00	0.00	A0102538	0.0010	Au-ICP21	VO19105423
			62.00	63.00	0.00	A0102539	0.0010	Au-ICP21	VO19105423
			63.00	64.00	0.00	A0102540	0.0010	Au-ICP21	VO19105423
			64.00	65.00	0.00	A0102541	0.0020	Au-ICP21	VO19105423
			65.00	66.00	0.00	A0102542	0.0020	Au-ICP21	VO19105423
			66.00	67.00	0.00	A0102543	0.0005	Au-ICP21	VO19105423
			67.00	68.00	0.00	A0102544	0.0005	Au-ICP21	VO19105423
			68.00	69.00	0.00	A0102545	0.0010	Au-ICP21	VO19105423
			69.00	70.00	0.00	A0102546	0.0010	Au-ICP21	VO19105423
			70.00	71.00	0.00	A0102547	0.0040	Au-ICP21	VO19105423
			71.00	72.00	0.00	A0102548	0.0020	Au-ICP21	VO19105423
			72.00	73.00	0.00	A0102549	0.0040	Au-ICP21	VO19105423
			73.00	74.00	0.00	A0102550	0.0040	Au-ICP21	VO19105423
			74.00	75.00	0.00	A0102551	0.0020	Au-ICP21	VO19105423
			75.00	76.00	0.00	A0102553	0.0020	Au-ICP21	VO19105423
76.00	77.00	0.00	A0102554	0.0010	Au-ICP21	VO19105423			
77.00	78.00	0.00	A0102555	0.0020	Au-ICP21	VO19105423			
78.00	79.00	0.00	A0102556	0.0010	Au-ICP21	VO19105423			
79.00	80.00	0.00	A0102557	0.0010	Au-ICP21	VO19105423			
80.00	81.00	0.00	A0102558	0.0060	Au-ICP21	VO19105423			

81.00	82.00	0.00	A0102559	0.0005	Au-ICP21	VO19105423
82.00	83.00	0.00	A0102560	0.0005	Au-ICP21	VO19105423
83.00	84.00	0.00	A0102561	0.0005	Au-ICP21	VO19105423
84.00	85.00	0.00	A0102562	0.0005	Au-ICP21	VO19105423
85.00	86.00	0.00	A0102563	0.0005	Au-ICP21	VO19105423
86.00	87.00	0.00	A0102564	0.0010	Au-ICP21	VO19105423
87.00	88.00	0.00	A0102565	0.0005	Au-ICP21	VO19105423
88.00	89.00	0.00	A0102566	0.0020	Au-ICP21	VO19105423
89.00	90.00	0.00	A0102567	0.0005	Au-ICP21	VO19105423
90.00	91.00	0.00	A0102568	0.0010	Au-ICP21	VO19105423
91.00	92.00	0.00	A0102570	0.0005	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
92.00	98.20	V3B Basalte Greenish-grey fine grained massive interval. Minor carbonate veinlets.	92.00	93.00	0.00	A0102571	0.0020	Au-ICP21	VO19105423
			93.00	94.00	0.00	A0102572	0.0020	Au-ICP21	VO19105423
			94.00	95.00	0.00	A0102573	0.0020	Au-ICP21	VO19105423
			95.00	96.00	0.00	A0102574	0.0005	Au-ICP21	VO19105423
			96.00	97.00	0.00	A0102575	0.0005	Au-ICP21	VO19105423
			97.00	98.00	0.00	A0102576	0.0005	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
98.20	127.80	V3B Basalte Greenish-grey, fine grained, locally variolitic basalt. Pervasive carbonate alteration as randomly oriented veinlets. From 121.1 to122.3 qtz-carb chlorite veines with py-po veinlets at 40 degrees tca.	98.00	99.00	0.00	A0102577	0.0030	Au-ICP21	VO19105423
			99.00	100.00	0.00	A0102578	0.0030	Au-ICP21	VO19105423
			100.00	101.00	0.00	A0102579	0.0100	Au-ICP21	VO19105423
			101.00	102.00	0.00	A0102580	0.0010	Au-ICP21	VO19105423
			102.00	103.00	0.00	A0102581	0.0010	Au-ICP21	VO19105423
			103.00	104.00	0.00	A0102582	0.0030	Au-ICP21	VO19105423
			104.00	105.00	0.00	A0102583	0.0020	Au-ICP21	VO19105423
			105.00	106.00	0.00	A0102585	0.0030	Au-ICP21	VO19105423
			106.00	107.00	0.00	A0102586	0.0010	Au-ICP21	VO19105423
			107.00	108.00	0.00	A0102587	0.0030	Au-ICP21	VO19105423
			108.00	109.00	0.00	A0102588	0.0040	Au-ICP21	VO19105423
			109.00	110.00	0.00	A0102589	0.0030	Au-ICP21	VO19105423
			110.00	111.00	0.00	A0102590	0.0020	Au-ICP21	VO19105423
			111.00	112.00	0.00	A0102591	0.0040	Au-ICP21	VO19105423
			112.00	113.00	0.00	A0102592	0.0020	Au-ICP21	VO19105423

113.00	114.00	0.00	A0102593	0.0020	Au-ICP21	VO19105423
114.00	115.00	0.00	A0102594	0.0020	Au-ICP21	VO19105423
115.00	116.00	0.00	A0102595	0.0020	Au-ICP21	VO19105423
116.00	117.00	0.00	A0102596	0.0010	Au-ICP21	VO19105423
117.00	118.00	0.00	A0102597	0.0020	Au-ICP21	VO19105423
118.00	119.00	0.00	A0102598	0.0120	Au-ICP21	VO19105423
119.00	120.00	0.00	A0102599	0.0020	Au-ICP21	VO19105423
120.00	121.00	0.00	A0102601	0.0020	Au-ICP21	VO19105423
121.00	122.00	0.00	A0102602	0.0040	Au-ICP21	VO19105423
122.00	123.00	0.00	A0102603	0.0050	Au-ICP21	VO19105423
123.00	124.00	0.00	A0102604	0.0020	Au-ICP21	VO19105423
124.00	125.00	0.00	A0102605	0.0010	Au-ICP21	VO19105423
125.00	126.00	0.00	A0102606	0.0020	Au-ICP21	VO19105423
126.00	127.00	0.00	A0102607	0.0020	Au-ICP21	VO19105423
127.00	128.00	0.00	A0102609	0.0010	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
127.80	139.50	V3B	128.00	129.00	0.00	A0102610	0.0020	Au-ICP21	VO19105423
		Basalte	129.00	130.00	0.00	A0102611	0.0010	Au-ICP21	VO19105423
		Greenish-grey, fine grained massive aphanitic basalt. Minor carbonate and chlorite veinlets.	130.00	131.00	0.00	A0102612	0.0020	Au-ICP21	VO19105423
			131.00	132.00	0.00	A0102613	0.0020	Au-ICP21	VO19105423
			132.00	133.00	0.00	A0102614	0.0010	Au-ICP21	VO19105423
			133.00	134.00	0.00	A0102615	0.0020	Au-ICP21	VO19105423
			134.00	135.00	0.00	A0102616	0.0010	Au-ICP21	VO19105423
			135.00	136.00	0.00	A0102617	0.0030	Au-ICP21	VO19105423
			136.00	137.00	0.00	A0102618	0.0010	Au-ICP21	VO19105423
			137.00	138.00	0.00	A0102619	0.0020	Au-ICP21	VO19105423
			138.00	139.00	0.00	A0102620	0.0020	Au-ICP21	VO19105423
			139.00	140.00	0.00	A0102621	0.0020	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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139.50	143.10	V3B	140.00	141.00	0.00	A0102622	0.0010	Au-ICP21	VO19105423
		Basalte	141.00	142.00	0.00	A0102623	0.0020	Au-ICP21	VO19105423
		Greenish-grey, aphanitic fine grained basalt. Moderately developed fine carbonate stringer stockwork at predominantly 45 degrees tca.	142.00	143.00	0.00	A0102624	0.0020	Au-ICP21	VO19105423
		Non-magnetic							

139.50 143.10 CB; Si
Carbonatisation; Silicification
Moderately developed fine stockwork of carbonate stringers and veinlets.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
143.10	148.00	V3B	143.00	144.00	0.00	A0102626	0.0140	Au-ICP21	VO19105423
		Basalte 45°	144.00	145.00	0.00	A0102627	0.0020	Au-ICP21	VO19105423
		Basalt altered by moderately developed stockwork of fine to 1/2 cm cb stringers and vnltls at predominantly 45 to 60 dtca. Carbonate is pervasive in the rock.	145.00	146.00	0.00	A0102628	0.0020	Au-ICP21	VO19105423
		Basalt is medium gray with hint of epidote in some cb vnltls- non magnetic- no visible sulphide	146.00	147.00	0.00	A0102629	0.0010	Au-ICP21	VO19105423
		143.1-144-- interval of strong qz veining (30%) as centimetric banded veins, usually around 50 dtca, These are crosscut by later cb vnltls to 1 cm.	147.00	148.00	0.00	A0102630	0.0010	Au-ICP21	VO19105423
		This interval carries about 3% fine to coarse pyrite euhedral to anhedral blebs usually aligned parallel to qtz vnltls.							

143.10 148.00 CB
Carbonatisation
Moderately developed fine parallel system of carbonate veinlets later transected by common carb vnltls to 2 cm in opposite direction.

143.00 144.00 PY03
Pyrite 3%
Interval of strong banded silicification and later cb vnltls bearing 3% fine to coarse euhedral to subhedral pyrite.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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148.00	159.95	V3B	148.00	149.00	0.00	A0102631	0.0010	Au-ICP21	VO19105423
		Basalte	149.00	150.00	0.00	A0102632	0.0010	Au-ICP21	VO19105423
		Generally massive basalt, medium gray, scattered solitary or locally clusters of fine complete or segmented carbonate stringers	150.00	151.00	0.00	A0102633	0.0010	Au-ICP21	VO19105423
		non-magnetic, aphanitic-cb stringers usually 45 to 60 dtca-no visible sulphide	151.00	152.00	0.00	A0102634	0.0010	Au-ICP21	VO19105423
		158.2-159.95- all carbonate veining gone	152.00	153.00	0.00	A0102635	0.0010	Au-ICP21	VO19105423
			153.00	154.00	0.00	A0102636	0.0010	Au-ICP21	VO19105423
			154.00	155.00	0.00	A0102637	0.0030	Au-ICP21	VO19105423
			155.00	156.00	0.00	A0102638	0.0020	Au-ICP21	VO19105423
			156.00	157.00	0.00	A0102639	0.0020	Au-ICP21	VO19105423
148.00	159.95	CB	157.00	157.60	0.00	A0102641	0.0010	Au-ICP21	VO19105423
		Carbonatisation	157.60	158.20	0.00	A0102642	0.0010	Au-ICP21	VO19105423
		Weak carbonitisation in the form of solitary carbonate stringers or locally swarms of fine complete or segmented stringers aligned at predominantly 45 to 55 dtca.	158.20	159.00	0.00	A0102643	0.0010	Au-ICP21	VO19105423
			159.00	159.95	0.00	A0102644	0.0030	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
159.95	162.00	V3B I2D; FO	159.95	160.65	0.00	A0102645	0.0020	Au-ICP21	VO19105423
		Basalte avec 25 à 50% de syénite; Folié	160.65	161.40	0.00	A0102646	0.0010	Au-ICP21	VO19105423
		Interval of short, distinct, lithologies with sharp contacts at 45 dtca, as noted: strong pervasive carbonatization	161.40	162.00	0.00	A0102647	0.0020	Au-ICP21	VO19105423
		159.95-160.65-interval of strongly magnetic foliated basalt enclosing 20 cm of pinkish gray syenite which carries an angular basalt xenolith							
		160.65-161.05- dark mauve or burgundy, foliated intrusive carrying pale angular fragments or alteration spots-weakly foliated at 45 dtca							
		161.05-162.0- same dark burgundy colour but no frag-characterized by pale wispy ragged lenses of carbonate parallel to foliation at 45 dtca							
159.95	162.00	CB							
		Carbonatisation							
		Strong pervasive carbonate in host and as ragged lenses parallel to foliation							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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162.00	173.80	V3B	162.00	163.00	0.00	A0102648	0.0010	Au-ICP21	VO19105423
		Basalte	163.00	164.00	0.00	A0102649	0.0030	Au-ICP21	VO19105423
		Massive plagioclase basalt , dark green with abundant ragged pale anhedral plagioclase grains	164.00	165.00	0.00	A0102650	0.0020	Au-ICP21	VO19105423
		non magnetic, no carb except in stringers	165.00	166.00	0.00	A0102651	0.0020	Au-ICP21	VO19105423
			166.00	167.00	0.00	A0102652	0.0010	Au-ICP21	VO19105423
			167.00	168.00	0.00	A0102653	0.0010	Au-ICP21	VO19105423
		162-163.5-probable transition zone due to upcoming intrusive dyke-feldspars not evident	168.00	169.00	0.00	A0102654	0.0010	Au-ICP21	VO19105423
			169.00	170.00	0.00	A0102655	0.0030	Au-ICP21	VO19105423
			170.00	171.00	0.00	A0102657	0.0010	Au-ICP21	VO19105423
		163.5-163.8- probable mafic intrusive dyke with abundant segment of white carbonate veinlets parallel to contact at 45 dtca.	171.00	172.00	0.00	A0102658	0.0030	Au-ICP21	VO19105423
			172.00	173.00	0.00	A0102659	0.0010	Au-ICP21	VO19105423
			173.00	173.80	0.00	A0102660	0.0020	Au-ICP21	VO19105423

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
173.80	187.30	FO; IU; V3B (I2D)	173.80	174.80	0.00	A0102661	0.0005	Au-ICP21	VO19105423
		Folié; Injection; Basalte avec 5 à 25% de syénite	174.80	175.40	0.00	A0102662	0.0020	Au-ICP21	VO19105423
		Interval of predominantly aphanitic basalt which varies from locally massive with no carbonate veinlets to moderately foliated with abundant carbonate veinlets usually aligned at 60 to 70 degrees or in loose fine stockworks	175.40	176.00	0.00	A0102663	0.0020	Au-ICP21	VO19105423
			176.00	177.00	0.00	A0102664	0.0020	Au-ICP21	VO19105423
			177.00	177.70	0.00	A0102665	0.0005	Au-ICP21	VO19105423
		The unit is strongly, pervasively carbonatized and carries fine grains to large blebs of anhedral pyrite to 0.5%-dark gray green overall	177.70	178.50	0.00	A0102666	0.0010	Au-ICP21	VO19105423
			178.50	179.00	0.00	A0102667	0.0100	Au-ICP21	VO19105423
			179.00	180.00	0.00	A0102668	0.0010	Au-ICP21	VO19105423
		173.-8 to 174.8-interval of strongly chaotically banded pale brownish or beige sericite? -aphanitic	180.00	180.80	0.00	A0102669	0.0020	Au-ICP21	VO19105423
			180.80	181.45	0.00	A0102670	0.0010	Au-ICP21	VO19105423
			181.45	182.45	0.00	A0102671	0.0005	Au-ICP21	VO19105434
		177.0-181.45- increasingly foliated and carbonatized with veinlets with depth-foliation is 55 to 60 dtca-probably some injection locally- veinlets are often chaotic and segmented- rare spots of plagioclase grains	182.45	183.00	0.00	A0102672	0.0040	Au-ICP21	VO19105434
			183.00	184.00	0.00	A0102674	0.0005	Au-ICP21	VO19105434
			184.00	185.00	0.00	A0102675	0.0005	Au-ICP21	VO19105434
		178.3 -178.5- interval of altered felsic intrusive laced with chaotic carb stringers-contacts at 65 dtca	185.00	186.00	0.00	A0102676	0.0005	Au-ICP21	VO19105434
			186.00	186.60	0.00	A0102677	0.0005	Au-ICP21	VO19105434
			186.60	187.30	0.00	A0102678	0.0005	Au-ICP21	VO19105434
		181.45-182.45- strongly carbonatized pale pink to light gray mottled aphanitic felsic intrusive-sharp contacts 60 up/40 low							

163.80 187.30 CB

Carbonatisation

Locally strongly carb'd where there is little plagioclase as grains; intrusive interval also carbonatized

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
187.30	189.15	V3B; FO	187.30	188.00	0.00	A0102679	0.0005	Au-ICP21	VO19105434
		Basalte 40°; Folié	188.00	188.50	0.00	A0102680	0.0005	Au-ICP21	VO19105434
		Intensely carbonatized basalt with carbonate flooding which has completely overwhelmed the basaltic characteristics.	188.50	189.15	0.00	A0102681	0.0005	Au-ICP21	VO19105434
		Ragged islands or inclusions of basalt usually mineralized- overall colour is a light gray with abundant dark ragged inclusions, clots of chlorite appearance is chaotic- weakly foliated at 40 dtca.							
187.30	189.15	CB80%							
		Carbonatisation 80%							
		Intense flooding by carbonate results in destruction of most of basalt-							
187.30	189.15	PY1%							
		Pyrite 1%							
		1% pyrite as fine specks through carbonate alteration and as medium blebs within fragments and inclusions.							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
189.15	197.10	I2D	189.15	190.00	0.00	A0102682	0.0020	Au-ICP21	VO19105434
		Syénite 35°	190.00	191.00	0.00	A0102683	0.0005	Au-ICP21	VO19105434
		Rock is gray to pink over metric intervals with a homogeneous fine mottling of pale pink in a gray matrix in which are abundant feldspar lathes up to 1 cm long -the lathes are dull beige-weakly foliated at 45 dtca	191.00	192.00	0.00	A0102684	0.0010	Au-ICP21	VO19105434
		-around 0.3 % fine disseminated pyrite	192.00	193.00	0.00	A0102685	0.0010	Au-ICP21	VO19105434
			193.00	194.00	0.00	A0102686	0.0005	Au-ICP21	VO19105434
			194.00	195.00	0.00	A0102687	0.0005	Au-ICP21	VO19105434
		strongly carbonatized-	195.00	196.00	0.00	A0102689	0.0005	Au-ICP21	VO19105434
			196.00	197.00	0.00	A0102690	0.0010	Au-ICP21	VO19105434
		190.2-190.7-interval of aphanitic nebulous bands of pale gray merging with pale pink roughly aligned at 40 dtca							
		191.4-192.2-strongly foliated at 30 dtca with numerous blebs, lenses and deformed veinlets of chlorite							
		196.6-197.1- strongly foliated -crude laminations of pink and black material-							

weakly magnetic-strongly carb'd- foliation 35 dtca

189.15 200.40 CB

Carbonatisation

Strongly pervasively carbonatized.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
197.10	200.40	V3B I2D; FO	197.00	198.00	0.00	A0102691	0.0005	Au-ICP21	VO19105434
		Basalte avec 25 à 50% de syénite 40°; Folié	198.00	199.00	0.00	A0102692	0.0020	Au-ICP21	VO19105434
		Interval of foliated carbonatized and moderately magnetic carbonate altered basalt of a dark gray hue laced with foliation parallel chaotic carb stringers at 40 dtca. Rare fragments of altered intrusive are caught up in the foliated basalt within the basalt are short intervals of altered weakly foliated pink to gray mottled intrusive contacts from intrusive to basalt are gradual and usually marked by carbonate vein of 1 cm or less at around 40 dtca	199.00	199.60	0.00	A0102693	0.0005	Au-ICP21	VO19105434
		-overall 0.3 % pyrite as fine disseminations	199.60	200.40	0.00	A0102694	0.0005	Au-ICP21	VO19105434
		200.4- end of last interval of syenite intrusive							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
200.40	305.40	V3B; AE; BX; FO; IU; MG	200.40	201.00	0.00	A0102695	0.0005	Au-ICP21	VO19105434
		Basalte; Altéré; Brèche; Folié; Injection; Magnétique	201.00	202.00	0.00	A0102696	0.0005	Au-ICP21	VO19105434
		Locally strongly overwhelmed by epidote/carbonate flooding often enclosing abundant rounded black amphibole anhedral to subhedral crystals and giving the rock a yellowish tinge. This flooding, in places, has resulted in a matrix supported breccia in which dark green large basalt fragments are suspended. Overall, the rock presents a chaotic green to yellowish appearance laced with cb stringers and veinlets.	202.00	203.00	0.00	A0102697	0.0005	Au-ICP21	VO19105434
		Some short intervals are more quiescent where original fine abundant ragged pale white plagioclase grains are distinct.	203.00	204.00	0.00	A0102698	0.0005	Au-ICP21	VO19105434
		The unit is generally strongly carbonatized but only locally, weakly magnetic. Carbonate veining and stringers are common to locally swarming to	204.00	205.00	0.00	A0102699	0.0005	Au-ICP21	VO19105434
			205.00	206.00	0.00	A0102700	0.0005	Au-ICP21	VO19105434
			206.00	207.00	0.00	A0102701	0.0005	Au-ICP21	VO19105434
			207.00	208.00	0.00	A0102702	0.0005	Au-ICP21	VO19105434
			208.00	209.00	0.00	A0102703	0.0005	Au-ICP21	VO19105434
			209.00	210.00	0.00	A0102705	0.0010	Au-ICP21	VO19105434
			210.00	211.00	0.00	A0102706	0.0005	Au-ICP21	VO19105434

form an open stockwork	211.00	212.00	0.00	A0102707	0.0010	Au-ICP21	VO19105434
No visible sulphides noted	212.00	213.00	0.00	A0102708	0.0010	Au-ICP21	VO19105434
213.5-213.8 -felsic intrusive dyke contacts 40 dtca-	213.00	214.00	0.00	A0102709	0.0010	Au-ICP21	VO19105434
232.3-233.2- -medium grained, homogeneous equigranular light to medium gray felsic intrusive dyke bearing 0.25% very fine disseminated pyrite contacts 35 up/45 low	214.00	215.00	0.00	A0102710	0.0005	Au-ICP21	VO19105434
237.3-237.5--intrusive felsic dykelet-meandering contact roughly 35 dtca-	215.00	216.00	0.00	A0102711	0.0010	Au-ICP21	VO19105434
10% coarse blebs of pyrite-black selvages to 1/2 cm are strongly magnetic	216.00	217.00	0.00	A0102712	0.0005	Au-ICP21	VO19105434
240.3-240.75-- similar to preceding- leached-broken up-2% coarse py blebs-contacts roughly 25 dtca	217.00	218.00	0.00	A0102713	0.0040	Au-ICP21	VO19105434
243.0-244.9- relatively pristine basalt with abundant fine ragged pale white plagioclase grains-upper contact gradual, lower is sharp at 55 dtca	218.00	219.00	0.00	A0102714	0.0010	Au-ICP21	VO19105434
259.6-259.85-- nebulous coarse grained texture-felsic dyke-abundant silica in matrix-numerous fine to coarse dark rounded strongly magnetic fragments of basalt-2% coarse sub to anhedral pyrite blebs disseminated.-flecks of blue fluorite	219.00	220.00	0.00	A0102715	0.0005	Au-ICP21	VO19105434
269.6--296.35--interval of coarse amorphous light gray carb/ silica veining which has brecciated the altered basalt host resulting in fine to very coarse suspended fragments- the veining, which is usually acute to the core, gives the appearance of spilled paint over the interval	220.00	221.00	0.00	A0102716	0.0250	Au-ICP21	VO19105434
296.35--296.9- crudely banded dark green host and white carbonate foliated at 45 dtca at beginning and steepening to 70 dtca with depth	221.00	222.00	0.00	A0102717	0.0005	Au-ICP21	VO19105434
300.6--300.9--probable interfmediate, coarse-grained, salt and pepper dyke with contact 70 up and 20 dtca rolling, low.	222.00	223.00	0.00	A0102718	0.0010	Au-ICP21	VO19105434
	223.00	224.00	0.00	A0102719	0.0010	Au-ICP21	VO19105434
	224.00	225.00	0.00	A0102720	0.0005	Au-ICP21	VO19105434
	225.00	226.00	0.00	A0102722	0.0010	Au-ICP21	VO19105434
	226.00	227.00	0.00	A0102723	0.0005	Au-ICP21	VO19105434
	227.00	228.00	0.00	A0102724	0.0005	Au-ICP21	VO19105434
	228.00	229.00	0.00	A0102725	0.0005	Au-ICP21	VO19105434
	229.00	230.00	0.00	A0102726	0.0005	Au-ICP21	VO19105434
	230.00	231.00	0.00	A0102727	0.0005	Au-ICP21	VO19105434
	231.00	232.00	0.00	A0102728	0.0005	Au-ICP21	VO19105434
	232.00	233.00	0.00	A0102729	0.0010	Au-ICP21	VO19105434
200.40 316.60 CB; EP	233.00	234.00	0.00	A0102730	0.0010	Au-ICP21	VO19105434
Carbonatisation; Epidotisation	234.00	235.00	0.00	A0102731	0.0010	Au-ICP21	VO19105434
Strong pervasive carbonate and epidote	235.00	236.00	0.00	A0102732	0.0010	Au-ICP21	VO19105434
	236.00	237.00	0.00	A0102733	0.0010	Au-ICP21	VO19105434
	237.00	238.00	0.00	A0102734	0.0030	Au-ICP21	VO19105434
	238.00	239.00	0.00	A0102735	0.0005	Au-ICP21	VO19105434
	239.00	240.00	0.00	A0102737	0.0005	Au-ICP21	VO19105434
	240.00	241.00	0.00	A0102738	0.0100	Au-ICP21	VO19105434
	241.00	242.00	0.00	A0102739	0.0005	Au-ICP21	VO19105434
	242.00	243.00	0.00	A0102740	0.0010	Au-ICP21	VO19105434
	243.00	244.00	0.00	A0102741	0.0010	Au-ICP21	VO19105434
	244.00	245.00	0.00	A0102742	0.0010	Au-ICP21	VO19105434
	245.00	246.00	0.00	A0102743	0.0005	Au-ICP21	VO19105434
	246.00	247.00	0.00	A0102744	0.0010	Au-ICP21	VO19105434
	247.00	248.00	0.00	A0102745	0.0010	Au-ICP21	VO19105434
	248.00	249.00	0.00	A0102746	0.0020	Au-ICP21	VO19105434

249.00	250.00	0.00	A0102747	0.0020	Au-ICP21	VO19105434
250.00	251.00	0.00	A0102748	0.0005	Au-ICP21	VO19105434
251.00	252.00	0.00	A0102749	0.0010	Au-ICP21	VO19105434
252.00	253.00	0.00	A0102750	0.0030	Au-ICP21	VO19105434
253.00	254.00	0.00	A0102751	0.0010	Au-ICP21	VO19105434
254.00	255.00	0.00	A0102753	0.0010	Au-ICP21	VO19105434
255.00	256.00	0.00	A0102754	0.0010	Au-ICP21	VO19105434
256.00	257.00	0.00	A0102755	0.0010	Au-ICP21	VO19105434
257.00	258.00	0.00	A0102756	0.0010	Au-ICP21	VO19105434
258.00	259.00	0.00	A0102757	0.0005	Au-ICP21	VO19105434
259.00	260.00	0.00	A0102758	0.0020	Au-ICP21	VO19105434
260.00	261.00	0.00	A0102759	0.0010	Au-ICP21	VO19105434
261.00	262.00	0.00	A0102760	0.0005	Au-ICP21	VO19105434
262.00	263.00	0.00	A0102761	0.0010	Au-ICP21	VO19105434
263.00	264.00	0.00	A0102762	0.0005	Au-ICP21	VO19105434
264.00	265.00	0.00	A0102763	0.0005	Au-ICP21	VO19105434
265.00	266.00	0.00	A0102764	0.0005	Au-ICP21	VO19105434
266.00	267.00	0.00	A0102765	0.0010	Au-ICP21	VO19105434
267.00	268.00	0.00	A0102766	0.0010	Au-ICP21	VO19105434
268.00	269.00	0.00	A0102767	0.0010	Au-ICP21	VO19105434
269.00	270.00	0.00	A0102768	0.0020	Au-ICP21	VO19105434
270.00	271.00	0.00	A0102770	0.0010	Au-ICP21	VO19105434
271.00	272.00	0.00	A0102771	0.0010	Au-ICP21	VO19105434
272.00	273.00	0.00	A0102772	0.0010	Au-ICP21	VO19105434
273.00	274.00	0.00	A0102773	0.0010	Au-ICP21	VO19105434
274.00	275.00	0.00	A0102774	0.0310	Au-ICP21	VO19105434
275.00	276.00	0.00	A0102775	0.3080	Au-ICP21	VO19105434
276.00	277.00	0.00	A0102776	0.0020	Au-ICP21	VO19105434
277.00	278.00	0.00	A0102777	0.0020	Au-ICP21	VO19105434
278.00	279.00	0.00	A0102778	0.0020	Au-ICP21	VO19105434
279.00	280.00	0.00	A0102779	0.0030	Au-ICP21	VO19105434
280.00	281.00	0.00	A0102780	0.0030	Au-ICP21	VO19105434
281.00	282.00	0.00	A0102781	0.0020	Au-ICP21	VO19105434
282.00	283.00	0.00	A0102782	0.0050	Au-ICP21	VO19105434
283.00	284.00	0.00	A0102783	0.0020	Au-ICP21	VO19105434
284.00	285.00	0.00	A0102785	0.0030	Au-ICP21	VO19105434
285.00	286.00	0.00	A0102786	0.0020	Au-ICP21	VO19105434
286.00	287.00	0.00	A0102787	0.0030	Au-ICP21	VO19105434

287.00	288.00	0.00	A0102788	0.0040	Au-ICP21	VO19105434
288.00	289.00	0.00	A0102789	0.0050	Au-ICP21	VO19105434
289.00	290.00	0.00	A0102790	0.0010	Au-ICP21	VO19105434
290.00	291.00	0.00	A0102791	0.0005	Au-ICP21	VO19105434
291.00	292.00	0.00	A0102792	0.0005	Au-ICP21	VO19105434
292.00	293.00	0.00	A0102793	0.0005	Au-ICP21	VO19105434
293.00	294.00	0.00	A0102794	0.0010	Au-ICP21	VO19105434
294.00	295.00	0.00	A0102795	0.0005	Au-ICP21	VO19105434
295.00	296.00	0.00	A0102796	0.0005	Au-ICP21	VO19105434
296.00	297.00	0.00	A0102797	0.0020	Au-ICP21	VO19105434
297.00	298.00	0.00	A0102798	0.0050	Au-ICP21	VO19105434
298.00	299.00	0.00	A0102799	0.0020	Au-ICP21	VO19105434
299.00	300.00	0.00	A0102801	0.0030	Au-ICP21	VO19105434
300.00	301.00	0.00	A0102802	0.0020	Au-ICP21	VO19105434
301.00	302.00	0.00	A0102803	0.0180	Au-ICP21	VO19105434
302.00	303.00	0.00	A0102804	0.0040	Au-ICP21	VO19105434
303.00	304.00	0.00	A0102805	0.0050	Au-ICP21	VO19105434
304.00	305.00	0.00	A0102806	0.0040	Au-ICP21	VO19105434

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
305.40	307.65	12J Diorite Coarse-grained, homogeneous, equigranular, dark green and white salt and pepper appearance-massive. Contacts rolling 60 up and 85 low. Plagioclase lathes very evident under glass- minor quartz-mafic minerals have gone to chlorite-little acid reaction on interval-0.2% fine disseminated pyrite.	305.00	306.00	0.00	A0102807	0.0010	Au-ICP21	VO19105434
			306.00	307.00	0.00	A0102809	0.0020	Au-ICP21	VO19105434
			307.00	308.00	0.00	A0102810	0.0050	Au-ICP21	VO19105434

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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307.65	316.60	V3B; AE; BX; FO; IU Basalte; Altéré; Brèche; Folié; Injection As previous at 200.4- lower contact sharp and rolling and 20 dtca.	308.00	309.00	0.00	A0102811	0.0005	Au-ICP21	VO19105434
			309.00	310.00	0.00	A0102812	0.0050	Au-ICP21	VO19105434
			310.00	311.00	0.00	A0102813	0.0080	Au-ICP21	VO19105434
			311.00	312.00	0.00	A0102814	0.0020	Au-ICP21	VO19105434
			312.00	313.00	0.00	A0102815	0.0010	Au-ICP21	VO19105434
			313.00	314.00	0.00	A0102816	0.0020	Au-ICP21	VO19105434
			314.00	315.00	0.00	A0102817	0.0010	Au-ICP21	VO19105434
			315.00	316.00	0.00	A0102818	0.0005	Au-ICP21	VO19105434
			316.00	317.00	0.00	A0102819	0.0040	Au-ICP21	VO19105434

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
316.60	334.65	V3B; MG; AP Basalte; Magnétique; Aphanitique Basalt with no outstanding characteristics- dark gray, aphanitic, massive, homogeneous. Weakly pervasively magnetic, non carb'd, no vis sul.	317.00	318.00	0.00	A0102820	0.0030	Au-ICP21	VO19105434
			318.00	319.00	0.00	A0102821	0.0020	Au-ICP21	VO19105434
			319.00	320.00	0.00	A0102822	0.0020	Au-ICP21	VO19105434
			320.00	321.00	0.00	A0102823	0.0020	Au-ICP21	VO19105434
			321.00	322.00	0.00	A0102824	0.0020	Au-ICP21	VO19105434
			322.00	323.00	0.00	A0102826	0.0005	Au-ICP21	VO19105434
			323.00	324.00	0.00	A0102827	0.0010	Au-ICP21	VO19105434
			324.00	325.00	0.00	A0102828	0.0010	Au-ICP21	VO19105434
			325.00	326.00	0.00	A0102829	0.0020	Au-ICP21	VO19105434
			326.00	327.00	0.00	A0102830	0.0010	Au-ICP21	VO19105434
			327.00	328.00	0.00	A0102831	0.0070	Au-ICP21	VO19105434
			328.00	329.00	0.00	A0102832	0.0020	Au-ICP21	VO19105434
			329.00	330.00	0.00	A0102833	0.0010	Au-ICP21	VO19105434
			330.00	331.00	0.00	A0102834	0.0020	Au-ICP21	VO19105434
			331.00	332.00	0.00	A0102835	0.0020	Au-ICP21	VO19105434
			332.00	333.00	0.00	A0102836	0.0050	Au-ICP21	VO19105434
			333.00	334.00	0.00	A0102837	0.0020	Au-ICP21	VO19105434
			334.00	335.00	0.00	A0102838	0.0040	Au-ICP21	VO19105434

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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334.65 336.00 V3B I2D; AP; CS; IU; IU

335.00 336.00 0.00 A0102839 0.0120 Au-ICP21 VO19105434

Basalte avec 25 à 50% de syénite; Aphanitique; Cisailé; Injection; Injection

Pink, black, and gray, fine uneven lams strongly foliated at 45 dtca moderately carbonatized and weakly spottily magnetic in dark lams.

One 10 cm interval of pink syenite. Trace of sulphide

End of Hole

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	358.90	-55.30	Collar	3.01	359.99	-57.44	Reflex EZ-Gyro	30.00	355.66	-54.98	Reflex EZ-Gyro
60.00	350.49	-54.59	Reflex EZ-Gyro	90.00	356.21	-54.35	Reflex EZ-Gyro	120.00	353.33	-53.87	Reflex EZ-Gyro
123.00	14.56	-53.78	Reflex EZ-Gyro	180.00	343.91	-53.53	Reflex EZ-Gyro	210.00	0.93	-53.43	Reflex EZ-Gyro
240.00	359.49	-53.26	Reflex EZ-Gyro	270.00	5.48	-53.16	Reflex EZ-Gyro	300.00	344.14	-53.20	Reflex EZ-Gyro
303.01	0.80	-57.44	Reflex EZ-Gyro	330.00	359.41	-53.12	Reflex EZ-Gyro	333.00	358.66	-53.05	Reflex EZ-Gyro

Drillhole Information

Easting: 706898.00
Northing: 5490552.00
Elevation: 295.00
Azimuth 357.50
Dip -59.70

Drilling Information

DrillCo: Pikogan
DrillID: PK1
DrillStart: 03-Apr-19
DrillEnd: 11-Apr-19
Length (m): 564.00

Logging Information

LogBy: C. Gagnier (OGQ #1068)
LogStart: 03-Apr-19
LogEnd: 10-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro was during drilling; the distances recorded in the table are corrected values, which are 3 m less than that recorded in the download file.

Logged by C. Gagnier (0-455 m), M.Sokolov (455-564 m).

Résumé du trou:

Forage DO-19-260, zone porphyre. Azimut: 357.5 degrés, plongée: - 59.5 degrés. Longueur planifiée : 500m. Longueur finale: 564m. Section : 706900E.

Objectifs du forage: vérifier les teneurs plutôt décevantes du trou DO-11-41 (13.5m à 1.33 g/t). En fait, deux cibles seront vérifiées : de 190 à 270m puis de 390 à 460m.

Résultats : après avoir traversé le mort-terrain à 6.7m, une succession d'intrusions syénitiques sont recoupées jusqu'à la profondeur de 552.6m : composées essentiellement de feldspaths potassiques avec un pourcentage variable de minéraux mafiques (pyroxènes; probablement augite). La syénite est porphyrique ou non et multiphases, à grain moyen à grossier.

Généralement non magnétique, elle montre parfois des cavités de dissolution. À partir de 527.3m, nous avons une alternance de basalte plus ou moins mélangé avec des intrusions syénitiques. Plusieurs zones de failles sont observées et de multiples zones minéralisées sont décrites.

Interprétation : aux profondeurs de la première cible, de 190 à 270m, aucune minéralisation n'est observée. Par contre, aux profondeurs de la seconde cible (de 390 à 460m), trois belles zones minéralisées sont traversées :

- 1)2% pyrite de 444.7 à 447.7m
- 2)2% pyrite de 458.5 à 458.75m
- 3)3% pyrite de 461.9 à 462.0m

Ces dernières zones minéralisées intéressantes (car plus riches en sulfures) sont localisées dans des zones de failles caractérisées par des brèches, des stries, de la roche fracturée et cisailée. De plus, le siège de cette minéralisation se produit dans une zone de contacts et de mélange syénite-basalte.

Results:

113 - 115 m: 0.443 ppm Au/2 m 126 - 130 m: 0.646 ppm Au/4 m
136 - 138 m: 0.298 ppm Au/2 m 378 - 384 m: 0.677 ppm Au/6 m
422 - 445 m: 0.422 ppm Au/23 m 450 - 488 m: 0.515 ppm Au/38 m
505 - 506 m: 0.251 ppm Au/1 m 509 - 510 m: 0.334 ppm Au/1 m



C. Gagnier (OGQ #1068)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	6.70	M-T Mort terrain Note des foreurs: casing à 6m							
6.70	55.30	I2D Syénite Syénite multiphase, hétérogène, non porphyrique: la couleur varie sur de courtes distances de rose saumon-beige à noir- rosé selon la composition. La syénite composée essentiellement de feldspaths (50% de l'unité) est rosée et celle riche en minéraux mafiques, soit 25% de pyroxènes (50% de l'unité) est plus foncée. Les contacts entre ces zones (mesurant de 5cm à 2m en longueur) leucocrates et mélanocrates sont parfois nets mais souvent diffus. Les propriétés de la syénite varient selon la composition: seules les portions mafiques sont carbonatisées et légèrement magnétiques. Les portions leucocrates, rosées, essentiellement feldspathiques sont localement légèrement poreuses (cavités de dissolutions). Les pyroxènes (augite ?) sub-automorphes mesurent de 1 à 2mm, sont épidotisés et chloritisés. Traces de leucoxène. Non minéralisé. Contact inférieur graduel sur 30cm.	6.70	7.20	0.00	V468483	0.0100	Au-ICP21	VO19097476
			7.20	8.00	0.00	V468484	0.0150	Au-ICP21	VO19097476
			8.00	9.00	0.00	V468485	0.0070	Au-ICP21	VO19097476
			9.00	10.00	0.00	V468486	0.0005	Au-ICP21	VO19097476
			10.00	11.00	0.00	V468487	0.0020	Au-ICP21	VO19097476
			11.00	12.00	0.00	V468489	0.0005	Au-ICP21	VO19097476
			12.00	13.00	0.00	V468490	0.0005	Au-ICP21	VO19097476
			13.00	14.00	0.00	V468491	0.0005	Au-ICP21	VO19097476
			14.00	15.00	0.00	V468492	0.0005	Au-ICP21	VO19097476
			15.00	16.00	0.00	V468493	0.0070	Au-ICP21	VO19097476
			16.00	17.00	0.00	V468494	0.0090	Au-ICP21	VO19097476
			17.00	18.00	0.00	V468495	0.0440	Au-ICP21	VO19097476
			18.00	19.00	0.00	V468496	0.0340	Au-ICP21	VO19097476
			19.00	20.00	0.00	V468497	0.0130	Au-ICP21	VO19097476
6.70	8.65	HM Hématisation	20.00	21.00	0.00	V468498	0.0090	Au-ICP21	VO19097476
8.65	15.30	CL; EP; CB Chloritisation; Épidotisation; Carbonatisation	21.00	22.00	0.00	V468499	0.0020	Au-ICP21	VO19097476
			22.00	23.00	0.00	V468500	0.0130	Au-ICP21	VO19097476
15.30	21.50	HM Hématisation	23.00	24.00	0.00	V468501	0.0010	Au-ICP21	VO19097476
			24.00	25.00	0.00	V468502	0.0030	Au-ICP21	VO19097476
21.50	24.00	HM; CB; CL; EP Hématisation; Carbonatisation; Chloritisation; Épidotisation	25.00	26.00	0.00	V468503	0.0010	Au-ICP21	VO19097476
			26.00	27.00	0.00	V468505	0.0060	Au-ICP21	VO19097476
24.00	55.30	HM; CL; EP Hématisation; Chloritisation; Épidotisation	27.00	28.00	0.00	V468506	0.0260	Au-ICP21	VO19097476
			28.00	29.00	0.00	V468507	0.0310	Au-ICP21	VO19097476
			29.00	30.00	0.00	V468508	0.0080	Au-ICP21	VO19097476

16.10	16.60	Dissolution	60	30.00	31.00	0.00	V468509	0.0020	Au-ICP21	VO19097476
		Cavité de dissolution 60°		31.00	32.00	0.00	V468510	0.0340	Au-ICP21	VO19097476
		Légèrement poreux.		32.00	33.00	0.00	V468511	0.0020	Au-ICP21	VO19097476
29.10	29.17	CS	50	33.00	34.00	0.00	V468512	0.0280	Au-ICP21	VO19097476
		Cisaillé(e) 50°		34.00	35.00	0.00	V468513	0.0200	Au-ICP21	VO19097476
		Zone cisaillée avec lamines oxidées (rouillées).		35.00	36.00	0.00	V468514	0.0050	Au-ICP21	VO19097476
38.64	38.67	CS	50	36.00	37.00	0.00	V468515	0.0100	Au-ICP21	VO19097476
		Cisaillé(e) 50°		37.00	38.00	0.00	V468516	0.0110	Au-ICP21	VO19097476
		Zone cisaillée rouillée.		38.00	39.00	0.00	V468517	0.0110	Au-ICP21	VO19097476
39.92	40.00	CS	50	39.00	40.00	0.00	V468518	0.0030	Au-ICP21	VO19097476
		Cisaillé(e) 50°		40.00	41.00	0.00	V468519	0.0240	Au-ICP21	VO19097476
		Zone rouillée cisaillée.		41.00	42.00	0.00	V468520	0.0430	Au-ICP21	VO19097476
46.52	46.53	CS	75	42.00	43.00	0.00	V468522	0.0640	Au-ICP21	VO19097476
		Cisaillé(e) 75°		43.00	44.00	0.00	V468523	0.0070	Au-ICP21	VO19097476
		Lamines de dolomite-ankérite rouillées.		44.00	45.00	0.00	V468524	0.0150	Au-ICP21	VO19097476
				45.00	46.00	0.00	V468525	0.0030	Au-ICP21	VO19097476
				46.00	47.00	0.00	V468526	0.0130	Au-ICP21	VO19097476
				47.00	48.00	0.00	V468527	0.0100	Au-ICP21	VO19097476
				48.00	49.00	0.00	V468528	0.0110	Au-ICP21	VO19097476
				49.00	50.00	0.00	V468529	0.1150	Au-ICP21	VO19097476
				50.00	51.00	0.00	V468530	0.0050	Au-ICP21	VO19097476
				51.00	52.00	0.00	V468531	0.0160	Au-ICP21	VO19097476
				52.00	53.00	0.00	V468532	0.0060	Au-ICP21	VO19097476
				53.00	54.00	0.00	V468533	0.0030	Au-ICP21	VO19097476
				54.00	55.00	0.00	V468534	0.0500	Au-ICP21	VO19097476

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
55.30	90.00	I2D; MA	55.00	56.00	0.00	V468535	0.0010	Au-ICP21	VO19097476
		Syénite 60°; Roche massive	56.00	57.00	0.00	V468537	0.0005	Au-ICP21	VO19097476
		Contact supérieur graduel sur 30cm. Syénite multiphase massive, porphyrique constituée de 90% de zones noires-rosées et 10% de zones roses saumon. Les contacts entre ces deux constituantes sont soit francs à 60 degrés, soit graduels ou flous. Les portions foncées sont composées de 35% de phénocristaux sub-automorphes noirs de pyroxènes chloritisés de 1-2mm. Les portions rosées sont plus riches en feldspaths xénomorphes et localement séricitisées. Localement faiblement magnétique, carbonatisé, contient des traces de sphène. Non minéralisé. Contact inférieur net à 60 degrés.	57.00	58.00	0.00	V468538	0.0005	Au-ICP21	VO19097476
			58.00	59.00	0.00	V468539	0.0040	Au-ICP21	VO19097476
			59.00	60.00	0.00	V468540	0.0005	Au-ICP21	VO19097476
			60.00	61.00	0.00	V468541	0.0005	Au-ICP21	VO19097476
			61.00	62.00	0.00	V468542	0.0010	Au-ICP21	VO19097476
			62.00	63.00	0.00	V468543	0.0005	Au-ICP21	VO19097476
			63.00	64.00	0.00	V468544	0.0005	Au-ICP21	VO19097476
			64.00	65.00	0.00	V468545	0.0005	Au-ICP21	VO19097476

55.30	90.00	HM; CL; CB; EP Hématisation; Chloritisation; Carbonatisation; Épidotisation		65.00	66.00	0.00	V468546	0.0005	Au-ICP21	VO19097476
				66.00	67.00	0.00	V468547	0.0005	Au-ICP21	VO19097476
				67.00	68.00	0.00	V468548	0.0005	Au-ICP21	VO19097476
56.90	57.00	FA Fracturé(e)		68.00	69.00	0.00	V468549	0.0005	Au-ICP21	VO19097476
71.00	71.80	CS Cisaillé(e) 40°	40	69.00	70.00	0.00	V468550	0.0010	Au-ICP21	VO19097476
		Lamines centimétriques de carbonates gris.		70.00	71.00	0.00	V468551	0.0080	Au-ICP21	VO19097476
80.25	80.38	BX Bréchiq		71.00	72.00	0.00	V468553	0.1160	Au-ICP21	VO19097476
				72.00	73.00	0.00	V468554	0.0010	Au-ICP21	VO19097476
				73.00	74.00	0.00	V468555	0.0005	Au-ICP21	VO19097476
				74.00	75.00	0.00	V468556	0.0005	Au-ICP21	VO19097476
				75.00	76.00	0.00	V468557	0.0030	Au-ICP21	VO19097476
				76.00	77.00	0.00	V468558	0.0020	Au-ICP21	VO19097476
				77.00	78.00	0.00	V468559	0.0030	Au-ICP21	VO19097476
				78.00	79.00	0.00	V468560	0.0010	Au-ICP21	VO19097476
				79.00	80.00	0.00	V468561	0.0005	Au-ICP21	VO19097476
				80.00	81.00	0.00	V468562	0.0005	Au-ICP21	VO19097476
				81.00	82.00	0.00	V468563	0.0005	Au-ICP21	VO19097476
				82.00	83.00	0.00	V468564	0.0005	Au-ICP21	VO19097476
				83.00	84.00	0.00	V468565	0.0005	Au-ICP21	VO19097476
				84.00	85.00	0.00	V468566	0.0170	Au-ICP21	VO19097476
				85.00	86.00	0.00	V468567	0.0010	Au-ICP21	VO19097476
				86.00	87.00	0.00	V468568	0.0005	Au-ICP21	VO19097476
				87.00	88.00	0.00	V468570	0.0010	Au-ICP21	VO19097476
				88.00	89.00	0.00	V468571	0.0050	Au-ICP21	VO19097476
				89.00	90.00	0.00	V468572	0.0010	Au-ICP21	VO19097476

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
90.00	386.00	I2D Syénite Contact supérieur net à 60 degrés. Syénite multiphase, hétérogène, généralement non porphyrique, de couleur très variable: de rose saumon à mauve à beige. Traces d'hématite spéculaire et de titanite. Localement fortement bréchifié, cisaillé, boudiné, faiblement minéralisé avec des cavités de dissolution dans les carbonates. Ces cavités (druses) millimétriques sont parfois tapissées de quartz, d'albite, barytine, fluorine et pyrite. Contact inférieur franc à 70 degrés.	90.00	91.00	0.00	V468573	0.0020	Au-ICP21	VO19097476
			91.00	92.00	0.00	V468574	0.0080	Au-ICP21	VO19097476
			92.00	93.00	0.00	V468575	0.0050	Au-ICP21	VO19097476
			93.00	94.00	0.00	V468576	0.0170	Au-ICP21	VO19097476
			94.00	95.00	0.00	V468577	0.0050	Au-ICP21	VO19097476
			95.00	96.00	0.00	V468578	0.0030	Au-ICP21	VO19097476
			96.00	97.00	0.00	V468579	0.0010	Au-ICP21	VO19097476
			97.00	98.00	0.00	V468580	0.0005	Au-ICP21	VO19097476
			98.00	99.00	0.00	V468581	0.0090	Au-ICP21	VO19097476
90.00	108.40	HM Hématisation	99.00	100.00	0.00	V468582	0.0050	Au-ICP21	VO19097476
			100.00	101.00	0.00	V468583	0.0090	Au-ICP21	VO19097476

108.40	115.60	Si; CB		101.00	102.00	0.00	V468585	0.0190	Au-ICP21	VO19097476
		Silicification; Carbonatisation		102.00	103.00	0.00	V468586	0.0270	Au-ICP21	VO19097476
		Lamines boudinées de silice dans une zone cisailée.		103.00	104.00	0.00	V468587	0.0160	Au-ICP21	VO19097476
115.60	264.80	HM; CL; CB		104.00	105.00	0.00	V468588	0.0160	Au-ICP21	VO19097476
		Hématisation; Chloritisation; Carbonatisation		105.00	106.00	0.00	V468589	0.0350	Au-ICP21	VO19097476
		La carbonatisation consiste en une faible dolomitisation: bandes centimétriques à 35 degrés.		106.00	107.00	0.00	V468590	0.0080	Au-ICP21	VO19097476
				107.00	108.00	0.00	V468591	0.0005	Au-ICP21	VO19097476
264.80	265.40	CB		108.00	109.00	0.00	V468592	0.0200	Au-ICP21	VO19097476
		Carbonatisation		109.00	110.00	0.00	V468593	0.1980	Au-ICP21	VO19097476
		Calcifié.		110.00	111.00	0.00	V468594	0.1770	Au-ICP21	VO19097476
265.40	308.00	HM; CL; CB-FL		111.00	112.00	0.00	V468595	0.0190	Au-ICP21	VO19097476
		Hématisation; Chloritisation; Carbonate-fluorite		112.00	113.00	0.00	V468596	0.0650	Au-ICP21	VO19097476
		Dolomitisation.		113.00	114.00	0.00	V468597	0.1320	Au-ICP21	VO19097476
308.00	381.90	HM; Si; CB		114.00	115.00	0.00	V468598	0.7530	Au-ICP21	VO19097476
		Hématisation; Silicification; Carbonatisation		115.00	116.00	0.00	V468599	0.0890	Au-ICP21	VO19097476
		Zones beiges dolomitisées.		116.00	117.00	0.00	V468601	0.0450	Au-ICP21	VO19097476
381.90	386.00	SR		117.00	118.00	0.00	V468602	0.0150	Au-ICP21	VO19097476
		Séricitisation		118.00	119.00	0.00	V468603	0.0410	Au-ICP21	VO19097476
118.00	119.40	GLtr; PY00.3		119.00	120.00	0.00	V468604	0.0270	Au-ICP21	VO19097476
		Galène tr; Pyrite 0.3%		120.00	121.00	0.00	V468605	0.0050	Au-ICP21	VO19097476
		0.3% de pyrite euhédrale et traces de galène cubique dans des veinules millimétriques de carbonates-barytine orientées à 70 degrés.		121.00	122.00	0.00	V468606	0.0150	Au-ICP21	VO19097476
				122.00	123.00	0.00	V468607	0.0480	Au-ICP21	VO19097476
368.20	368.90	PY00.5		123.00	124.00	0.00	V468609	0.0250	Au-ICP21	VO19097476
		Pyrite 0.5%		124.00	125.00	0.00	V468610	0.0170	Au-ICP21	VO19097476
		Pyrite disséminée.		125.00	126.00	0.00	V468611	0.0260	Au-ICP21	VO19097476
369.70	370.40	PY00.5		126.00	127.00	0.00	V468612	1.7950	Au-ICP21	VO19097476
		Pyrite 0.5%		127.00	128.00	0.00	V468613	0.5780	Au-ICP21	VO19097476
		Pyrite disséminée.		128.00	129.00	0.00	V468614	0.0920	Au-ICP21	VO19097476
108.60	114.00	CS; Dissolution	15	129.00	130.00	0.00	V468615	0.1180	Au-ICP21	VO19097476
		Cisaillé(e) 15°; Cavité de dissolution		130.00	131.00	0.00	V468616	0.0430	Au-ICP21	VO19097476
		Lamines de quartz dans une zone cisailée. Boudiné avec des cavités de dissolution.		131.00	132.00	0.00	V468617	0.0040	Au-ICP21	VO19097476
				132.00	133.00	0.00	V468618	0.0850	Au-ICP21	VO19097476
114.00	127.00	BX		133.00	134.00	0.00	V468619	0.0360	Au-ICP21	VO19097476
		Bréchique		134.00	135.00	0.00	V468620	0.0280	Au-ICP21	VO19097476
155.60	155.80	BX		135.00	136.00	0.00	V468621	0.0480	Au-ICP21	VO19097476
		Bréchique		136.00	137.00	0.00	V468622	0.2450	Au-ICP21	VO19097476
161.10	161.60	BX		137.00	138.00	0.00	V468623	0.3500	Au-ICP21	VO19097476
		Bréchique		138.00	139.00	0.00	V468624	0.0380	Au-ICP21	VO19097476

162.20	177.00	BX		139.00	140.00	0.00	V468626	0.0210	Au-ICP21	VO19097476
		Bréchique		140.00	141.00	0.00	V468627	0.0430	Au-ICP21	VO19097476
211.00	212.20	CS	50	141.00	142.00	0.00	V468628	0.0580	Au-ICP21	VO19097476
		Cisaillé(e) 50°		142.00	143.00	0.00	V468629	0.0090	Au-ICP21	VO19097476
		Cisaillé avec lamines de dolomite grise.		143.00	144.00	0.00	V468630	0.0010	Au-ICP21	VO19097476
238.30	241.90	CS	25	144.00	145.00	0.00	V468631	0.0060	Au-ICP21	VO19097476
		Cisaillé(e) 25°		145.00	146.00	0.00	V468632	0.0020	Au-ICP21	VO19097476
		Cisaillé avec lamines centimétriques de carbonates.		146.00	147.00	0.00	V468633	0.0560	Au-ICP21	VO19097485
252.20	252.90	CS	30	147.00	148.00	0.00	V468634	0.0220	Au-ICP21	VO19097485
		Cisaillé(e) 30°		148.00	149.00	0.00	V468635	0.0360	Au-ICP21	VO19097485
		Cisaillé avec lamines de carbonates.		149.00	150.00	0.00	V468636	0.0130	Au-ICP21	VO19097485
263.50	269.00	BX; FA	50	150.00	151.00	0.00	V468637	0.0140	Au-ICP21	VO19097485
		Bréchique 50°; Fracturé(e)		151.00	152.00	0.00	V468638	0.0100	Au-ICP21	VO19097485
		Présence de fluorine.		152.00	153.00	0.00	V468639	0.0240	Au-ICP21	VO19097485
280.00	304.00	BX		153.00	154.00	0.00	V468641	0.0210	Au-ICP21	VO19097485
		Bréchique		154.00	155.00	0.00	V468642	0.0080	Au-ICP21	VO19097485
351.00	351.50	CS	30	155.00	156.00	0.00	V468643	0.0080	Au-ICP21	VO19097485
		Cisaillé(e) 30°		156.00	157.00	0.00	V468644	0.0090	Au-ICP21	VO19097485
		Cisaillé avec lamines de dolomite.		157.00	158.00	0.00	V468645	0.0180	Au-ICP21	VO19097485
359.00	362.00	BX		158.00	159.00	0.00	V468646	0.0280	Au-ICP21	VO19097485
		Bréchique		159.00	160.00	0.00	V468647	0.0160	Au-ICP21	VO19097485
381.90	386.00	CS	50	160.00	161.00	0.00	V468648	0.0090	Au-ICP21	VO19097485
		Cisaillé(e) 50°		161.00	162.00	0.00	V468649	0.0520	Au-ICP21	VO19097485
		Cisaillé avec lamines de séricite beiges.		162.00	163.00	0.00	V468650	0.0040	Au-ICP21	VO19097485
				163.00	164.00	0.00	V468651	0.0050	Au-ICP21	VO19097485
				164.00	165.00	0.00	V468652	0.0100	Au-ICP21	VO19097485
				165.00	166.00	0.00	V468653	0.0020	Au-ICP21	VO19097485
				166.00	167.00	0.00	V468654	0.0050	Au-ICP21	VO19097485
				167.00	168.00	0.00	V468655	0.0050	Au-ICP21	VO19097485
				168.00	169.00	0.00	V468657	0.0210	Au-ICP21	VO19097485
				169.00	170.00	0.00	V468658	0.0130	Au-ICP21	VO19097485
				170.00	171.00	0.00	V468659	0.0390	Au-ICP21	VO19097485
				171.00	172.00	0.00	V468660	0.0120	Au-ICP21	VO19097485
				172.00	173.00	0.00	V468661	0.0200	Au-ICP21	VO19097485
				173.00	174.00	0.00	V468662	0.0200	Au-ICP21	VO19097485
				174.00	175.00	0.00	V468663	0.0220	Au-ICP21	VO19097485
				175.00	176.00	0.00	V468664	0.0510	Au-ICP21	VO19097485
				176.00	177.00	0.00	V468665	0.0200	Au-ICP21	VO19097485

177.00	178.00	0.00	V468666	0.0460	Au-ICP21	VO19097485
178.00	179.00	0.00	V468667	0.1580	Au-ICP21	VO19097485
179.00	180.00	0.00	V468668	0.0440	Au-ICP21	VO19097485
180.00	181.00	0.00	V468669	0.0070	Au-ICP21	VO19097485
181.00	182.00	0.00	V468670	0.0090	Au-ICP21	VO19097485
182.00	183.00	0.00	V468671	0.0990	Au-ICP21	VO19097485
183.00	184.00	0.00	V468672	0.0070	Au-ICP21	VO19097485
184.00	185.00	0.00	V468674	0.0170	Au-ICP21	VO19097485
185.00	186.00	0.00	V468675	0.0200	Au-ICP21	VO19097485
186.00	187.00	0.00	V468676	0.0180	Au-ICP21	VO19097485
187.00	188.00	0.00	V468677	0.0070	Au-ICP21	VO19097485
188.00	189.00	0.00	V468678	0.0410	Au-ICP21	VO19097485
189.00	190.00	0.00	V468679	0.0060	Au-ICP21	VO19097485
190.00	191.00	0.00	V468680	0.0020	Au-ICP21	VO19097485
191.00	192.00	0.00	V468681	0.0010	Au-ICP21	VO19097485
192.00	193.00	0.00	V468682	0.0030	Au-ICP21	VO19097485
193.00	194.00	0.00	V468683	0.0010	Au-ICP21	VO19097485
194.00	195.00	0.00	V468684	0.0110	Au-ICP21	VO19097485
195.00	196.00	0.00	V468685	0.0150	Au-ICP21	VO19097485
196.00	197.00	0.00	V468686	0.0260	Au-ICP21	VO19097485
197.00	198.00	0.00	V468687	0.0140	Au-ICP21	VO19097485
198.00	199.00	0.00	V468689	0.0060	Au-ICP21	VO19097485
199.00	200.00	0.00	V468690	0.0190	Au-ICP21	VO19097485
200.00	201.00	0.00	V468691	0.0090	Au-ICP21	VO19097485
201.00	202.00	0.00	V468692	0.0240	Au-ICP21	VO19097485
202.00	203.00	0.00	V468693	0.0050	Au-ICP21	VO19097485
203.00	204.00	0.00	V468694	0.0040	Au-ICP21	VO19097485
204.00	205.00	0.00	V468695	0.0010	Au-ICP21	VO19097485
205.00	206.00	0.00	V468696	0.0005	Au-ICP21	VO19097485
206.00	207.00	0.00	V468697	0.0050	Au-ICP21	VO19097485
207.00	208.00	0.00	V468698	0.0050	Au-ICP21	VO19097485
208.00	209.00	0.00	V468699	0.0020	Au-ICP21	VO19097485
209.00	210.00	0.00	V468700	0.0005	Au-ICP21	VO19097485
210.00	211.00	0.00	V468701	0.0160	Au-ICP21	VO19097485
211.00	212.00	0.00	V468702	0.0040	Au-ICP21	VO19097485
212.00	213.00	0.00	V468703	0.0080	Au-ICP21	VO19097485
213.00	214.00	0.00	V468705	0.0180	Au-ICP21	VO19097485
214.00	215.00	0.00	V468706	0.0080	Au-ICP21	VO19097485

215.00	216.00	0.00	V468707	0.0040	Au-ICP21	VO19097485
216.00	217.00	0.00	V468708	0.0070	Au-ICP21	VO19097485
217.00	218.00	0.00	V468709	0.0050	Au-ICP21	VO19097485
218.00	219.00	0.00	V468710	0.0030	Au-ICP21	VO19097485
219.00	220.00	0.00	V468711	0.0090	Au-ICP21	VO19097485
220.00	221.00	0.00	V468712	0.0640	Au-ICP21	VO19097485
221.00	222.00	0.00	V468713	0.0020	Au-ICP21	VO19097485
222.00	223.00	0.00	V468714	0.0070	Au-ICP21	VO19097485
223.00	224.00	0.00	V468715	0.0040	Au-ICP21	VO19097485
224.00	225.00	0.00	V468716	0.0060	Au-ICP21	VO19097485
225.00	226.00	0.00	V468717	0.0460	Au-ICP21	VO19097485
226.00	227.00	0.00	V468718	0.0090	Au-ICP21	VO19097485
227.00	228.00	0.00	V468719	0.1130	Au-ICP21	VO19097485
228.00	229.00	0.00	V468720	0.0490	Au-ICP21	VO19097485
229.00	230.00	0.00	V468722	0.0040	Au-ICP21	VO19097485
230.00	231.00	0.00	V468723	0.0060	Au-ICP21	VO19097485
231.00	232.00	0.00	V468724	0.0060	Au-ICP21	VO19097485
232.00	233.00	0.00	V468725	0.0030	Au-ICP21	VO19097485
233.00	234.00	0.00	V468726	0.0010	Au-ICP21	VO19097485
234.00	235.00	0.00	V468727	0.0020	Au-ICP21	VO19097485
235.00	236.00	0.00	V468728	0.0030	Au-ICP21	VO19097485
236.00	237.00	0.00	V468729	0.0010	Au-ICP21	VO19097485
237.00	238.00	0.00	V468730	0.0005	Au-ICP21	VO19097485
238.00	239.00	0.00	V468731	0.0020	Au-ICP21	VO19097485
239.00	240.00	0.00	V468732	0.0020	Au-ICP21	VO19097485
240.00	241.00	0.00	V468733	0.0030	Au-ICP21	VO19097485
241.00	242.00	0.00	V468734	0.0020	Au-ICP21	VO19097485
242.00	243.00	0.00	V468735	0.0100	Au-ICP21	VO19097485
243.00	244.00	0.00	V468737	0.0060	Au-ICP21	VO19097485
244.00	245.00	0.00	V468738	0.0020	Au-ICP21	VO19097485
245.00	246.00	0.00	V468739	0.0290	Au-ICP21	VO19097485
246.00	247.00	0.00	V468740	0.0110	Au-ICP21	VO19097485
247.00	248.00	0.00	V468741	0.0050	Au-ICP21	VO19097485
248.00	249.00	0.00	V468742	0.0030	Au-ICP21	VO19097485
249.00	250.00	0.00	V468743	0.0100	Au-ICP21	VO19097485
250.00	251.00	0.00	V468744	0.0120	Au-ICP21	VO19097485
251.00	252.00	0.00	V468745	0.0050	Au-ICP21	VO19097485
252.00	253.00	0.00	V468746	0.0040	Au-ICP21	VO19097485

253.00	254.00	0.00	V468747	0.0010	Au-ICP21	VO19097485
254.00	255.00	0.00	V468748	0.0005	Au-ICP21	VO19097485
255.00	256.00	0.00	V468749	0.0010	Au-ICP21	VO19097485
256.00	257.00	0.00	V468750	0.0005	Au-ICP21	VO19097485
257.00	258.00	0.00	V468751	0.0080	Au-ICP21	VO19097485
258.00	259.00	0.00	V468753	0.0110	Au-ICP21	VO19097485
259.00	260.00	0.00	V468754	0.0010	Au-ICP21	VO19097485
260.00	261.00	0.00	V468755	0.0630	Au-ICP21	VO19097485
261.00	262.00	0.00	V468756	0.0350	Au-ICP21	VO19097485
262.00	263.00	0.00	V468757	0.0190	Au-ICP21	VO19097485
263.00	264.00	0.00	V468758	0.0040	Au-ICP21	VO19097485
264.00	265.00	0.00	V468759	0.0280	Au-ICP21	VO19097485
265.00	266.00	0.00	V468760	0.0150	Au-ICP21	VO19097485
266.00	267.00	0.00	V468761	0.0020	Au-ICP21	VO19097485
267.00	268.00	0.00	V468762	0.0030	Au-ICP21	VO19097485
268.00	269.00	0.00	V468763	0.0030	Au-ICP21	VO19097485
269.00	270.00	0.00	V468764	0.0240	Au-ICP21	VO19097485
270.00	271.00	0.00	V468765	0.0870	Au-ICP21	VO19097485
271.00	272.00	0.00	V468766	0.0030	Au-ICP21	VO19097485
272.00	273.00	0.00	V468767	0.0010	Au-ICP21	VO19097485
273.00	274.00	0.00	V468768	0.0030	Au-ICP21	VO19097485
274.00	275.00	0.00	V468770	0.0040	Au-ICP21	VO19097485
275.00	276.00	0.00	V468771	0.0010	Au-ICP21	VO19097485
276.00	277.00	0.00	V468772	0.0110	Au-ICP21	VO19097485
277.00	278.00	0.00	V468773	0.0005	Au-ICP21	VO19097485
278.00	279.00	0.00	V468774	0.0060	Au-ICP21	VO19097485
279.00	280.00	0.00	V468775	0.0060	Au-ICP21	VO19097485
280.00	281.00	0.00	V468776	0.0050	Au-ICP21	VO19097485
281.00	282.00	0.00	V468777	0.0050	Au-ICP21	VO19097485
282.00	283.00	0.00	V468778	0.0060	Au-ICP21	VO19097485
283.00	284.00	0.00	V468779	0.0100	Au-ICP21	VO19097485
284.00	285.00	0.00	V468780	0.0030	Au-ICP21	VO19097485
285.00	286.00	0.00	V468781	0.0070	Au-ICP21	VO19097485
286.00	287.00	0.00	V468782	0.0100	Au-ICP21	VO19097485
287.00	288.00	0.00	V468783	0.0030	Au-ICP21	VO19097550
288.00	289.00	0.00	V468785	0.0030	Au-ICP21	VO19097550
289.00	290.00	0.00	V468786	0.0320	Au-ICP21	VO19097550
290.00	291.00	0.00	V468787	0.0260	Au-ICP21	VO19097550

291.00	292.00	0.00	V468788	0.0070	Au-ICP21	VO19097550
292.00	293.00	0.00	V468789	0.0040	Au-ICP21	VO19097550
293.00	294.00	0.00	V468790	0.0090	Au-ICP21	VO19097550
294.00	295.00	0.00	V468791	0.0060	Au-ICP21	VO19097550
295.00	296.00	0.00	V468792	0.0030	Au-ICP21	VO19097550
296.00	297.00	0.00	V468793	0.0080	Au-ICP21	VO19097550
297.00	298.00	0.00	V468794	0.0030	Au-ICP21	VO19097550
298.00	299.00	0.00	V468795	0.0030	Au-ICP21	VO19097550
299.00	300.00	0.00	V468796	0.0030	Au-ICP21	VO19097550
300.00	301.00	0.00	V468797	0.0280	Au-ICP21	VO19097550
301.00	302.00	0.00	V468798	0.0150	Au-ICP21	VO19097550
302.00	303.00	0.00	V468799	0.0030	Au-ICP21	VO19097550
303.00	304.00	0.00	V468801	0.0030	Au-ICP21	VO19097550
304.00	305.00	0.00	V468802	0.0020	Au-ICP21	VO19097550
305.00	306.00	0.00	V468803	0.0030	Au-ICP21	VO19097550
306.00	307.00	0.00	V468804	0.0320	Au-ICP21	VO19097550
307.00	308.00	0.00	V468805	0.0310	Au-ICP21	VO19097550
308.00	309.00	0.00	V468806	0.0210	Au-ICP21	VO19097550
309.00	310.00	0.00	V468807	0.0230	Au-ICP21	VO19097550
310.00	311.00	0.00	V468809	0.0380	Au-ICP21	VO19097550
311.00	312.00	0.00	V468810	0.0060	Au-ICP21	VO19097550
312.00	313.00	0.00	V468811	0.0030	Au-ICP21	VO19097550
313.00	314.00	0.00	V468812	0.0120	Au-ICP21	VO19097550
314.00	315.00	0.00	V468813	0.0320	Au-ICP21	VO19097550
315.00	316.00	0.00	V468814	0.0110	Au-ICP21	VO19097550
316.00	317.00	0.00	V468815	0.0120	Au-ICP21	VO19097550
317.00	318.00	0.00	V468816	0.0170	Au-ICP21	VO19097550
318.00	319.00	0.00	V468817	0.0130	Au-ICP21	VO19097550
319.00	320.00	0.00	V468818	0.0080	Au-ICP21	VO19097550
320.00	321.00	0.00	V468819	0.0110	Au-ICP21	VO19097550
321.00	322.00	0.00	V468820	0.0200	Au-ICP21	VO19097550
322.00	323.00	0.00	V468821	0.0160	Au-ICP21	VO19097550
323.00	324.00	0.00	V468822	0.0050	Au-ICP21	VO19097550
324.00	325.00	0.00	V468823	0.0050	Au-ICP21	VO19097550
325.00	326.00	0.00	V468824	0.0005	Au-ICP21	VO19097550
326.00	327.00	0.00	V468826	0.0020	Au-ICP21	VO19097550
327.00	328.00	0.00	V468827	0.0030	Au-ICP21	VO19097550
328.00	329.00	0.00	V468828	0.0030	Au-ICP21	VO19097550

329.00	330.00	0.00	V468829	0.0070	Au-ICP21	VO19097550
330.00	331.00	0.00	V468830	0.0080	Au-ICP21	VO19097550
331.00	332.00	0.00	V468831	0.0080	Au-ICP21	VO19097550
332.00	333.00	0.00	V468832	0.0080	Au-ICP21	VO19097550
333.00	334.00	0.00	V468833	0.0050	Au-ICP21	VO19097550
334.00	335.00	0.00	V468834	0.0020	Au-ICP21	VO19097550
335.00	336.00	0.00	V468835	0.0110	Au-ICP21	VO19097550
336.00	337.00	0.00	V468836	0.0170	Au-ICP21	VO19097550
337.00	338.00	0.00	V468837	0.0020	Au-ICP21	VO19097550
338.00	339.00	0.00	V468838	0.0190	Au-ICP21	VO19097550
339.00	340.00	0.00	V468839	0.0070	Au-ICP21	VO19097550
340.00	341.00	0.00	V468841	0.0030	Au-ICP21	VO19097550
341.00	342.00	0.00	V468842	0.0070	Au-ICP21	VO19097550
342.00	343.00	0.00	V468843	0.0050	Au-ICP21	VO19097550
343.00	344.00	0.00	V468844	0.0040	Au-ICP21	VO19097550
344.00	345.00	0.00	V468845	0.0030	Au-ICP21	VO19097550
345.00	346.00	0.00	V468846	0.0030	Au-ICP21	VO19097550
346.00	347.00	0.00	V468847	0.0020	Au-ICP21	VO19097550
347.00	348.00	0.00	V468848	0.0340	Au-ICP21	VO19097550
348.00	349.00	0.00	V468849	0.0200	Au-ICP21	VO19097550
349.00	350.00	0.00	V468850	0.0170	Au-ICP21	VO19097550
350.00	351.00	0.00	V468851	0.0020	Au-ICP21	VO19097550
351.00	352.00	0.00	V468852	0.0010	Au-ICP21	VO19097550
352.00	353.00	0.00	V468853	0.0070	Au-ICP21	VO19097550
353.00	354.00	0.00	V468854	0.0170	Au-ICP21	VO19097550
354.00	355.00	0.00	V468855	0.0150	Au-ICP21	VO19097550
355.00	356.00	0.00	V468857	0.0040	Au-ICP21	VO19097550
356.00	357.00	0.00	V468858	0.0005	Au-ICP21	VO19097550
357.00	358.00	0.00	V468859	0.0040	Au-ICP21	VO19097550
358.00	359.00	0.00	V468860	0.0060	Au-ICP21	VO19097550
359.00	360.00	0.00	V468861	0.0090	Au-ICP21	VO19097550
360.00	361.00	0.00	V468862	0.0160	Au-ICP21	VO19097550
361.00	362.00	0.00	V468863	0.0120	Au-ICP21	VO19097550
362.00	363.00	0.00	V468864	0.0020	Au-ICP21	VO19097550
363.00	364.00	0.00	V468865	0.0230	Au-ICP21	VO19097550
364.00	365.00	0.00	V468866	0.0290	Au-ICP21	VO19097550
365.00	366.00	0.00	V468867	0.0410	Au-ICP21	VO19097550
366.00	367.00	0.00	V468868	0.0180	Au-ICP21	VO19097550

367.00	368.00	0.00	V468869	0.0580	Au-ICP21	VO19097550
368.00	369.00	0.00	V468870	0.1710	Au-ICP21	VO19097550
369.00	370.00	0.00	V468871	0.0310	Au-ICP21	VO19097550
370.00	371.00	0.00	V468872	0.0090	Au-ICP21	VO19097550
371.00	372.00	0.00	V468874	0.0180	Au-ICP21	VO19097550
372.00	373.00	0.00	V468875	0.0120	Au-ICP21	VO19097550
373.00	374.00	0.00	V468876	0.0330	Au-ICP21	VO19097550
374.00	375.00	0.00	V468877	0.0120	Au-ICP21	VO19097550
375.00	376.00	0.00	V468878	0.0130	Au-ICP21	VO19097550
376.00	377.00	0.00	V468879	0.0370	Au-ICP21	VO19097550
377.00	378.00	0.00	V468880	0.0850	Au-ICP21	VO19097550
378.00	379.00	0.00	V468881	0.1030	Au-ICP21	VO19097550
379.00	380.00	0.00	V468882	0.1130	Au-ICP21	VO19097550
380.00	381.00	0.00	V468883	0.3340	Au-ICP21	VO19097550
381.00	382.00	0.00	V468884	0.7740	Au-ICP21	VO19097550
382.00	383.00	0.00	V468885	0.1000	Au-ICP21	VO19097550
383.00	384.00	0.00	V468886	2.6400	Au-ICP21	VO19097550
384.00	385.00	0.00	V468887	0.0240	Au-ICP21	VO19097550
385.00	386.00	0.00	V468889	0.0150	Au-ICP21	VO19097550

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
386.00	440.50	I2D; PO Syénite 70°; Porphyrique Contact supérieur net à 70 degrés. Syénite porphyrique de couleur rose/grisâtre/beige contenant environ 25% de phénocristaux xénomorphes de feldspaths orangés à blancs de 2 à 5mm à contours flous. Non magnétique. Localement faiblement minéralisé. Présence régulière de veinules de quartz-fluorine. Contact inférieur cisailé à 50 degrés.	386.00	387.00	0.00	V468890	0.0150	Au-ICP21	VO19097550
			387.00	388.00	0.00	V468891	0.0400	Au-ICP21	VO19097550
			388.00	389.00	0.00	V468892	0.0400	Au-ICP21	VO19097550
			389.00	390.00	0.00	V468893	0.0050	Au-ICP21	VO19097550
			390.00	391.00	0.00	V468894	0.0490	Au-ICP21	VO19097550
			391.00	392.00	0.00	V468895	0.0570	Au-ICP21	VO19097550
			392.00	393.00	0.00	V468896	0.0560	Au-ICP21	VO19097550
			393.00	394.00	0.00	V468897	0.0370	Au-ICP21	VO19097550
386.00	397.90	HM Hématisation Avec fluorine.	394.00	395.00	0.00	V468898	0.0020	Au-ICP21	VO19097550
			395.00	396.00	0.00	V468899	0.0010	Au-ICP21	VO19097550
397.90	399.00	SR Séricitisation	396.00	397.00	0.00	V468900	0.0010	Au-ICP21	VO19097550
			397.00	398.00	0.00	V468901	0.0030	Au-ICP21	VO19097550
399.00	455.00	HM Hématisation	398.00	399.00	0.00	V468902	0.0100	Au-ICP21	VO19097550
			399.00	400.00	0.00	V468903	0.0040	Au-ICP21	VO19097550
435.50	438.50	PY00.5 Pyrite 0.5%	400.00	401.00	0.00	V468905	0.0010	Au-ICP21	VO19097550
			401.00	402.00	0.00	V468906	0.0050	Au-ICP21	VO19097550
			402.00	403.00	0.00	V468907	0.0220	Au-ICP21	VO19097550

		en veinules et en amas dans une zone cisailée, bréchique.		403.00	404.00	0.00	V468908	0.0040	Au-ICP21	VO19097550
402.50	403.00	CS	40	404.00	405.00	0.00	V468909	0.0005	Au-ICP21	VO19097550
		Cisaillé(e) 40°		405.00	406.00	0.00	V468910	0.0010	Au-ICP21	VO19097550
		Cisaillé avec lamines de sérécite.		406.00	407.00	0.00	V468911	0.0030	Au-ICP21	VO19097550
414.70	414.80	CS	60	407.00	408.00	0.00	V468912	0.0670	Au-ICP21	VO19097550
		Cisaillé(e) 60°		408.00	409.00	0.00	V468913	0.0020	Au-ICP21	VO19097550
433.00	436.80	BX		409.00	410.00	0.00	V468914	0.0330	Au-ICP21	VO19097550
		Bréchique		410.00	411.00	0.00	V468915	0.0020	Au-ICP21	VO19097550
		Localement bréchique.		411.00	412.00	0.00	V468916	0.0005	Au-ICP21	VO19097550
				412.00	413.00	0.00	V468917	0.0030	Au-ICP21	VO19097550
				413.00	414.00	0.00	V468918	0.0300	Au-ICP21	VO19097550
				414.00	415.00	0.00	V468919	0.0570	Au-ICP21	VO19097550
				415.00	416.00	0.00	V468920	0.0990	Au-ICP21	VO19097550
				416.00	417.00	0.00	V468922	0.0820	Au-ICP21	VO19097550
				417.00	418.00	0.00	V468923	0.1240	Au-ICP21	VO19097550
				418.00	419.00	0.00	V468924	0.0150	Au-ICP21	VO19097550
				419.00	420.00	0.00	V468925	0.0040	Au-ICP21	VO19097550
				420.00	421.00	0.00	V468926	0.0070	Au-ICP21	VO19097550
				421.00	422.00	0.00	V468927	0.0150	Au-ICP21	VO19097550
				422.00	423.00	0.00	V468928	0.1760	Au-ICP21	VO19097550
				423.00	424.00	0.00	V468929	0.0430	Au-ICP21	VO19097550
				424.00	425.00	0.00	V468930	0.2770	Au-ICP21	VO19097550
				425.00	426.00	0.00	V468931	0.0740	Au-ICP21	VO19097550
				426.00	427.00	0.00	V468932	0.1400	Au-ICP21	VO19097550
				427.00	428.00	0.00	V468933	0.0210	Au-ICP21	VO19097555
				428.00	429.00	0.00	V468934	0.1210	Au-ICP21	VO19097555
				429.00	430.00	0.00	V468935	0.0040	Au-ICP21	VO19097555
				430.00	431.00	0.00	V468937	0.5500	Au-ICP21	VO19097555
				431.00	432.00	0.00	V468938	0.0330	Au-ICP21	VO19097555
				432.00	433.00	0.00	V468939	2.3600	Au-ICP21	VO19097555
				433.00	434.00	0.00	V468940	0.8890	Au-ICP21	VO19097555
				434.00	435.00	0.00	V468941	0.2740	Au-ICP21	VO19097555
				435.00	436.00	0.00	V468942	0.1090	Au-ICP21	VO19097555
				436.00	437.00	0.00	V468943	0.7950	Au-ICP21	VO19097555
				437.00	438.00	0.00	V468944	0.0670	Au-ICP21	VO19097555
				438.00	439.00	0.00	V468945	0.4580	Au-ICP21	VO19097555
				439.00	439.90	0.00	V468946	0.1980	Au-ICP21	VO19097555
				439.90	440.50	0.00	V468947	0.8960	Au-ICP21	VO19097555

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
440.50	467.15	I2D Syénite 60° Contacts cisailés à 60 degrés. Syénite de couleur variable de rouge brique à beige à grisâtre (possiblement un intervalle de lave injecté par la lave) à beige à rouge vin. Non porphyrique; cette absence de phénocristaux est possiblement causée par le fait que cette unité est affectée par une faille: elle est localement fracturée et presque entièrement cisailée. From 455 to 467.15 m: Syenite, fine to medium-grained, variable in colour - light beige-pink, medium mauve-grey. The colour varies upon alteration: Hem, Carb (Cal, Dol) minor Ser and Sil. Mostly non-magnetic except a few wk magn spots. Mod-str brittle-ductile deformation, irregular fracturing, locally weakly-developed foliation at 45-50CA. Mineralization: traces to 2-3% Py fine diss grains, fine-grained masses in fractures. An arbitrary lower contact marked by changes in grain size and alteration patterns.	440.50	441.30	0.00	V468948	0.5070	Au-ICP21	VO19097555
			441.30	442.00	0.00	V468949	0.3010	Au-ICP21	VO19097555
			442.00	443.00	0.00	V468950	0.1110	Au-ICP21	VO19097555
			443.00	444.00	0.00	V468951	0.2230	Au-ICP21	VO19097555
			444.00	445.00	0.00	V468953	1.6450	Au-ICP21	VO19097555
			445.00	446.00	0.00	V468954	0.0170	Au-ICP21	VO19097555
			446.00	447.00	0.00	V468955	0.0200	Au-ICP21	VO19097555
			447.00	448.00	0.00	V468956	0.0080	Au-ICP21	VO19097555
			448.00	449.00	0.00	V468957	0.0040	Au-ICP21	VO19097555
			449.00	450.00	0.00	V468958	0.0490	Au-ICP21	VO19097555
			450.00	451.00	0.00	V468959	0.2250	Au-ICP21	VO19097555
			451.00	452.00	0.00	V468960	0.2840	Au-ICP21	VO19097555
			452.00	453.00	0.00	V468961	1.0750	Au-ICP21	VO19097555
			453.00	454.00	0.00	V468962	0.3530	Au-ICP21	VO19097555
			454.00	455.00	0.00	V468963	0.6400	Au-ICP21	VO19097555
			455.00	456.00	0.00	V468964	0.1200	Au-ICP21	VO19097555
444.40	449.40	V3B Basalte 40° Syenite dyke (?) or possibly a boudinaged fragment, medium-grained with "crushed" colorless Plg grains, medium red, pervasively hematitized and carbonatized, microfractured. Traces to 0.5% Py fine diss grains and fine-grained masses in fractures.	456.00	457.00	0.00	V468965	0.0710	Au-ICP21	VO19097555
			457.00	458.00	0.00	V468966	0.0980	Au-ICP21	VO19097555
			458.00	459.00	0.00	V468967	0.1390	Au-ICP21	VO19097555
			459.00	460.00	0.00	V468968	0.0430	Au-ICP21	VO19097555
			460.00	461.00	0.00	V468970	0.1020	Au-ICP21	VO19097555
			461.00	462.00	0.00	V468971	0.2480	Au-ICP21	VO19097555
455.00	458.50	HM; CB-; MG-- Hématisation; Carbonatisation -; Magnétite -- Mod patchy to pervasive Hem, patchy Carb, a few wk-magn spots.	462.00	463.00	0.00	V468972	0.0280	Au-ICP21	VO19097555
			463.00	464.00	0.00	V468973	0.0530	Au-ICP21	VO19097555
458.50	467.15	CB; HM; SR- Carbonatisation; Hématisation; Séricitisation - Mod-str patchy Carb (Cal, Dol), wk-mod patchy Hem. Non-magnetic. Minor sericite in fractures, shear planes.	464.00	465.00	0.00	V468974	0.1780	Au-ICP21	VO19097555
			465.00	466.00	0.00	V468975	1.0700	Au-ICP21	VO19097555
			466.00	467.00	0.00	V468976	0.5960	Au-ICP21	VO19097555
444.70	447.70	PY02 Pyrite 2% De 0.3% à 3% (moyenne: 2%) de pyrite euhédrale disséminée dans une zone faillée.							
450.00	458.50	PYtr Pyrite tr Traces Py.							

458.50	458.75	PY02 Pyrite 2% 0.5-3% fine Py in a microbreccia zone.	
458.75	461.90	PYtr Pyrite tr Traces fine Py.	
461.90	462.00	PY03 Pyrite 3% Fine-grained Py aggregates in irregular fractures in coarse-grained syenite.	
462.00	462.85	PYtr Pyrite tr Traces Py.	
462.85	467.15	PY01 Pyrite 1% Traces to 1-2% Py fine-grained aggregates in fractures, shear planes.	
445.40	454.00	FJ Faille 50° Stries de faille. Localement cisailé.	50
458.50	458.75	T1A; Dissolution Brèche de faille 46°; Cavité de dissolution A fault zone with microbreccia cemented by calcite, at 45-47CA, dissolution cavities.	46
458.75	474.00	FA; CS Fracturé(e); Cisailé(e) Moderate irregular and planar fracturing, locally weakly to moderately developed foliation. Fractures and foliation are commonly oriented at 45-50CA.	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
467.15	494.50	I2D Syénite Syenite, medium to coarse-grained, bright orange-red, pervasively hematitized. Carbonatized intervals are greyish beige. Non-magnetic, hard. Cal, fluorite and specular Hem in fractures. The interval is mod-str deformed (brittle-ductile). Frequent planar fractures and irregular microfractures, locally brecciation. In places weakly to moderately-developed foliation at 40 to 65CA. Locally dissolution cavities with calcite crystals. A fault zone at 488.1-488.35 m at 60CA.	467.00	468.00	0.00	V468977	2.3000	Au-ICP21	VO19097555
			468.00	469.00	0.00	V468978	0.7850	Au-ICP21	VO19097555
			469.00	470.00	0.00	V468979	0.1660	Au-ICP21	VO19097555
			470.00	471.00	0.00	V468980	0.0470	Au-ICP21	VO19097555
			471.00	472.00	0.00	V468981	0.0320	Au-ICP21	VO19097555
			472.00	473.00	0.00	V468982	0.3360	Au-ICP21	VO19097555
			473.00	474.00	0.00	V468983	0.0660	Au-ICP21	VO19097555
			474.00	475.00	0.00	V468985	0.0110	Au-ICP21	VO19097555
			475.00	476.00	0.00	V468986	0.0060	Au-ICP21	VO19097555

		Mineralization: traces to 1-2% fine Py and fine-grained aggregates in fractures. At 493-494.5 m - 2-5% Py in fractures.	476.00	477.00	0.00	V468987	0.2340	Au-ICP21	VO19097555
		Red Hem-altered and fractured intervals tend to be more mineralized than pale-gey-beige carbonatized intervals.	477.00	478.00	0.00	V468988	0.1220	Au-ICP21	VO19097555
			478.00	479.00	0.00	V468989	0.4640	Au-ICP21	VO19097555
			479.00	480.00	0.00	V468990	1.2900	Au-ICP21	VO19097555
		An arbitrary lower contact marking the beginning of an extensive shear zone.	480.00	481.00	0.00	V468991	0.0180	Au-ICP21	VO19097555
489.35	490.35	I2D; GF	481.00	482.00	0.00	V468992	0.0020	Au-ICP21	VO19097555
		Syénite 45°; Grains fins	482.00	483.00	0.00	V468993	0.1270	Au-ICP21	VO19097555
		Syenite dyke (?) or possibly a boudinaged fragment, medium-grained with "crushed" colorless Plg grains, medium red, pervasively hematitized and carbonatized, microfractured.	483.00	484.00	0.00	V468994	0.0650	Au-ICP21	VO19097555
		Traces to 0.5% Py fine diss grains and fine-grained masses in fractures.	484.00	485.00	0.00	V468995	0.0350	Au-ICP21	VO19097555
			485.00	486.00	0.00	V468996	7.5300	Au-ICP21	VO19097555
467.15	470.40	HM+; CB	486.00	487.00	0.00	V468997	0.2360	Au-ICP21	VO19097555
		Hématisation +; Carbonatisation	487.00	488.00	0.00	V468998	0.3560	Au-ICP21	VO19097555
		Mod-str pervasive to patchy Hem, wk-mod patchy Carb. Minor fluorite in fractures.	488.00	489.00	0.00	V468999	0.0380	Au-ICP21	VO19097555
470.40	473.70	CB+; HM	489.00	490.00	0.00	V469001	0.0150	Au-ICP21	VO19097555
		Carbonatisation +; Hématisation	490.00	491.00	0.00	V469002	0.0190	Au-ICP21	VO19097555
		Mod-str patchy to pervasive Carb, wk-mod patchy Hem.	491.00	492.00	0.00	V469003	0.0200	Au-ICP21	VO19097555
473.70	494.50	HM++	492.00	493.00	0.00	V469004	0.0260	Au-ICP21	VO19097555
		Hématisation ++	493.00	493.75	0.00	V469005	0.0270	Au-ICP21	VO19097555
		Strong pervasive Hem, wk-mod patchy Carb. Minor fluorite in fractures.	493.75	494.50	0.00	V469006	0.0470	Au-ICP21	VO19097555
467.15	470.40	PY00.5							
		Pyrite 0.5%							
		Traces to 0.5% Py fine-grained aggregates in fractures.							
470.40	473.60	PYtr							
		Pyrite tr							
		Traces Py in fractures.							
473.60	488.00	PY00.75							
		Pyrite 0.75%							
		Traces to 1-2% Py very fine grains and fine-grained aggregates in fractures.							
488.00	488.90	PYtr							
		Pyrite tr							
		Traces Py.							
489.35	490.35	PY00.25							
		Pyrite 0.25%							
		Traces to 0.5% Py small to med-size subhedral diss grains and fine-grained aggregates in some fractures.							

490.35	493.00	PY00.25 Pyrite 0.25% Traces to 0.5-1% Py fine grains and aggregates in fractures.	
493.00	494.50	PY03 Pyrite 3% MINERALIZED ZONE 2-5% Py fine grains and fine-grained aggregates in fractures.	
474.00	480.00	FA++; CS; BX-; Dissolution- Fracturé(e)++; Cisailé(e) 47°; Bréchique-; Cavité de dissolution- Strongly fractured, locally brecciated, in parts foliated at 40-55CA. Locally dissolution cavities with calcite crystals. Locally mm gouge on fracture planes.	47
480.00	488.10	FA; CS Fracturé(e); Cisailé(e) 47° Moderate irregular and planar fracturing, locally brecciation. Intermittent weakly to moderately-developed foliation. Fractures and foliation are commonly oriented at 45-52CA.	47
488.10	488.35	FJ; T1A Faille 60°; Brèche de faille A fault zone at 60CA, 4 cm wide zone with loose microbreccia and gouge (70 and 30%), cemented microbreccia around this zone.	60
488.35	488.90	BX; FA Bréchique; Fracturé(e) Mod-str irregular fracturing and brecciation. Clast-supported mm-cm angular fragments of the bleached host rock, cemented.	
488.90	494.50	FA+; CS Fracturé(e)+ 60°; Cisailé(e) Moderate to strong planar and irregular fracturing, commonly at 60-65CA, locally weakly-developed foliation.	60

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
494.50	527.30	I2D; CS Syénite; Cisailé Syenite (possibly contaminated by some mafic material), mod-str sheared, mottled pink, greyish beige, patchy bleached, with patchy Hem and Carb alteration (Dol, Fe-Carb). Fibrous Ser in shear planes and fractures (sometimes fuchsitic). The matrix is fine to medium-grained, non-magnetic. Colorless to whitish Plg grains look crushed. Minor specular Hem in fractures. The foliation is moderately-developed at 40 to 55CA (mainly 45-50); locally minor brecciation.	494.50	495.00	0.00	V469007	0.0470	Au-ICP21	VO19097555
			495.00	496.00	0.00	V469009	0.0170	Au-ICP21	VO19097555
			496.00	497.00	0.00	V469010	0.0310	Au-ICP21	VO19097555
			497.00	498.00	0.00	V469011	0.1160	Au-ICP21	VO19097555
			498.00	499.00	0.00	V469012	0.1450	Au-ICP21	VO19097555
			499.00	500.00	0.00	V469013	0.0660	Au-ICP21	VO19097555
			500.00	501.00	0.00	V469014	0.0750	Au-ICP21	VO19097555
			501.00	502.00	0.00	V469015	0.0580	Au-ICP21	VO19097555

		2-5% white Carb and Qz-Carb veinlets parallel to shear and crosscutting it. Some veinlets are folded.	502.00	503.00	0.00	V469016	0.0170	Au-ICP21	VO19097555
		Mineralization: traces to 1-3% Py fine-grained stringers in shear planes, in fractures, fine disseminated.	503.00	504.00	0.00	V469017	0.0880	Au-ICP21	VO19097555
		At 503.45-513.8 m – 3-7% Py in a strongly sheared zone with patchy Sil, Carb, Ser, Hem alteration.	504.00	505.00	0.00	V469018	0.2150	Au-ICP21	VO19097555
			505.00	506.00	0.00	V469019	0.2510	Au-ICP21	VO19097555
			506.00	507.00	0.00	V469020	0.0880	Au-ICP21	VO19097555
			507.00	508.00	0.00	V469021	0.1240	Au-ICP21	VO19097555
		From 522.7 m - weakly magnetic.	508.00	509.00	0.00	V469022	0.0240	Au-ICP21	VO19097555
		The lower contact is somewhat distinct, at 55CA.	509.00	510.00	0.00	V469023	0.3340	Au-ICP21	VO19097555
513.80	514.25	I2D; GM	510.00	511.00	0.00	V469024	0.1800	Au-ICP21	VO19097555
		Syénite 45°; Grains moyens	511.00	512.00	0.00	V469026	0.1850	Au-ICP21	VO19097555
		Syenite dyke (?) or possibly a boudinaged fragment, medium-grained with "crushed" colorless Plg grains, medium red, pervasively hematitized and carbonatized, microfractured.	512.00	513.00	0.00	V469027	0.0640	Au-ICP21	VO19097555
		Traces to 0.5% Py fine diss grains and fine-grained masses in fractures.	513.00	514.00	0.00	V469028	0.2280	Au-ICP21	VO19097555
			514.00	515.00	0.00	V469029	0.0690	Au-ICP21	VO19097555
515.55	515.85	I2D; GG	515.00	516.00	0.00	V469030	0.1440	Au-ICP21	VO19097555
		Syénite; Grains grossiers	516.00	517.00	0.00	V469031	0.1140	Au-ICP21	VO19097555
		Syenite dyke (?) or possibly a boudinaged fragment, medium-grained with "crushed" colorless Plg grains, medium red, pervasively hematitized and carbonatized, microfractured.	517.00	518.00	0.00	V469032	0.0220	Au-ICP21	VO19097555
		Traces to 0.5% Py fine diss grains and fine-grained masses in fractures.	518.00	519.00	0.00	V469033	0.0130	Au-ICP21	VO19097555
			519.00	520.00	0.00	V469034	0.0460	Au-ICP21	VO19097555
			520.00	521.00	0.00	V469035	0.0230	Au-ICP21	VO19097555
516.90	517.15	I2D; GM	521.00	522.00	0.00	V469036	0.1250	Au-ICP21	VO19097555
		Syénite; Grains moyens	522.00	523.00	0.00	V469037	0.0920	Au-ICP21	VO19097555
		Syenite dyke (?) or possibly a boudinaged fragment, medium-grained with "crushed" colorless Plg grains, medium red, pervasively hematitized and carbonatized, microfractured.	523.00	524.00	0.00	V469038	0.0260	Au-ICP21	VO19097555
		Traces to 0.5% Py fine diss grains and fine-grained masses in fractures.	524.00	525.00	0.00	V469039	0.0200	Au-ICP21	VO19097555
			525.00	526.00	0.00	V469041	0.0410	Au-ICP21	VO19097555
			526.00	526.65	0.00	V469042	0.0130	Au-ICP21	VO19097555
517.70	518.75	I2D; GM	526.65	527.30	0.00	V469043	0.0060	Au-ICP21	VO19097555
		Syénite 55°; Grains moyens							
		Syenite dyke (?) or possibly a boudinaged fragment, medium-grained with "crushed" colorless Plg grains, medium red, pervasively hematitized and carbonatized, microfractured.							
		Traces to 0.5% Py fine diss grains and fine-grained masses in fractures.							
494.50	527.30	CB+; HM; SR; Si-							
		Carbonatisation +; Hémathisation; Séricitisation; Silicification -							
		Mod-str pervasive to patchy Carb (Dol, Fe-Carb), wk-mod patchy Hem and minor specular Hem in fractures. Fibrous Ser in fractures and shear planes (yellow, beige-grey, sometimes fuchsite green).							
		Locally patchy silicification (Sil veins, Sil flooding) and probably albitization.							
		Non-magnetic down to 522.7 m, then weakly magnetic.							

494.50	497.15	PYtr Pyrite tr Traces Py.	
497.15	503.45	PY01.5 Pyrite 1.5% MINERALIZED ZONE 0.5-2% Py fine grains and fine-grained aggregates in shear planes and fractures.	
503.45	513.80	PY05 Pyrite 5% MINERALIZED ZONE 3-7% Py fine and lesser med-size subhedral grains and fine-grained aggregates in shear planes, fractures, diss.	
513.80	517.70	PY02 Pyrite 2% MINERALIZED ZONE 0.5-3% Py fine grains, lesser med-size grains, and fine-grained aggregates in fractures, shear planes.	
517.70	518.75	PY00.5 Pyrite 0.5% Traces to 0.5% Py fine diss grains and fine-grained masses in fractures within med-grained syenite.	
518.75	525.10	PYtr Pyrite tr Traces to 0.25% Py.	
525.10	525.50	PY02 Pyrite 2% 1-3% fine Py diss and in fractures within med-grained, fractured syenite with 5% silica veining.	
525.50	527.30	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py fine-grained stringers in shear planes.	
494.50	527.30	CS+; FA; BX- Cisaillé(e)+ 50°; Fracturé(e); Bréchique- SHEAR ZONE Mod-str developed foliation at 40 to 55CA (mainly 45-50); locally minor brecciation. At 495.30-495.35 m - 1.5 cm wide cemented microbreccia zone at 55CA.	50

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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527.30	534.30	V3B I2D Basalte avec 25 à 50% de syénite 55° Basalt with 25-35% Syenite. The rock has a heterogeneous, mottled appearance, dark grey with beige, red and green-grey patches of Hem, Carb, Chl and +/-Ser alteration; fine-grained, mod-str magnetic. Weakly to moderately sheared with intermittently developed foliation at 50-55CA. 2-5% Carb and Qz-Carb veinlets, mm-cm wide, variably oriented. Mineralization: traces to 1-2% Py fine to med-size grains and aggregates in shear planes, veinlets, fractures.	527.30	528.00	0.00	V469044	0.0120	Au-ICP21	VO19097555
			528.00	529.00	0.00	V469045	0.0130	Au-ICP21	VO19097555
			529.00	530.00	0.00	V469046	0.0060	Au-ICP21	VO19097555
			530.00	531.00	0.00	V469047	0.0160	Au-ICP21	VO19097555
			531.00	532.00	0.00	V469048	0.0180	Au-ICP21	VO19097555
			532.00	533.00	0.00	V469049	0.0080	Au-ICP21	VO19097555
			533.00	533.65	0.00	V469050	0.0080	Au-ICP21	VO19097555
			533.65	534.30	0.00	V469051	0.0020	Au-ICP21	VO19097555

The lower contact is somewhat distinct, at 55CA.

527.30 534.30 CL; HM; CB; MG; SR-
Chloritisation; Hémathisation; Carbonatisation; Magnétite; Séricitisation -
Mod-str patchy to pervasive Chl, mod patchy Hem, Carb, +/-Ser. Mod-str magnetism.
Locally minor leucoxene.

527.30 534.30 PY01
Pyrite 1%
Traces to 1-2% Py fine to med-size subhedral to anhedral grains and aggregates in fractures, veinlets, shear planes.

527.30 534.30 CS 52
Cisaillé(e) 52°
Weakly to moderately sheared with intermittently developed foliation at 50-55CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
534.30	547.05	I2D (V3B) Syénite avec 5 à 25% de basalte 55° Syenite with 10-15% basalt, strongly sheared and altered. The rock has a mottled appearance, light beige, grey, pink patches of Carb, Hem, Ser and +/-Chl alteration; hard, fine to medium-grained. Mod-str magnetic with small diss Mgt grains and occasional Mgt mm-cm bands, locally non-magnetic. The foliation is mod to well-developed at 50-60CA. 5-7% beige-white Carb-Qz veinlets often parallel to shear, some are crosscutting the foliation; often fragmented, Mineralization: traces to 1-2% Py fine grains and fine-grained to med-grained aggregates in shear planes, veinlets, fractures.	534.30	535.00	0.00	V469052	0.0430	Au-ICP21	VO19097555
			535.00	536.00	0.00	V469053	0.0310	Au-ICP21	VO19097555
			536.00	537.00	0.00	V469054	0.0680	Au-ICP21	VO19097555
			537.00	538.00	0.00	V469055	0.0840	Au-ICP21	VO19097555
			538.00	539.00	0.00	V469057	0.0190	Au-ICP21	VO19097555
			539.00	540.00	0.00	V469058	0.0730	Au-ICP21	VO19097555
			540.00	541.00	0.00	V469059	0.0160	Au-ICP21	VO19097555
			541.00	542.00	0.00	V469060	0.0140	Au-ICP21	VO19097555
			542.00	543.00	0.00	V469061	0.0270	Au-ICP21	VO19097555
			543.00	544.00	0.00	V469062	0.0160	Au-ICP21	VO19097555
			544.00	545.00	0.00	V469063	0.0190	Au-ICP21	VO19097555

At 542.90-543.90 m - 1-3% Py.
The lower contact is distinct, at 45CA,

545.00	546.00	0.00	V469064	0.0190	Au-ICP21	VO19097555
546.00	547.05	0.00	V469065	0.0120	Au-ICP21	VO19097555

534.30 547.05 CB; HM; SR; CL-; MG
Carbonatisation; Hémathisation; Séricitisation; Chloritisation -; Magnétite
Mod-str patchy to pervasive Carb, wk-mod patchy Hem, Ser and minor Chl alteration.
Mod-str magnetic due to the presence of small diss Mgt grains and occasional mm-cm Mgt bands. The unit is less magnetic to non-magnetic in the lower portion.
Locally minor diss leucoxene.

534.30 542.90 PY00.5
Pyrite 0.5%
Traces to 0.5-1% Py fine grains and fine- to med-grained aggregates in shear planes.

542.90 543.90 PY02
Pyrite 2%
MINERALIZED ZONE
1-3% Py fine diss grains and fine-grained aggregates in shear planes and rims of Carb veinlets.

543.90 547.05 PY00.5
Pyrite 0.5%
Traces to 0.5% Py, locally 1% Py, fine grains and aggregates in shear planes.

534.30 547.05 CS+ 55
Cisaillé(e)+ 55°
SHEAR ZONE
Mod-str developed foliation at 50 to 60CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
547.05	552.60	I2D Syénite 45° Syenite medium-grained, with distinct, partially to completely altered colorless to light grey Plg subhedral grains in reddish or greyish matrix. The upper half of the interval is reddish due to pervasive Hem alteration. The lower portion is medium grey to reddish grey, pervasively carbonatized and weakly hematitized. Locally minor Ser. The rock is non-magnetic, hard, rather uniform, non-sheared. The grey carbonatized interval is moderately fractured and cut by 1-2% silica mm veinlets. Mineralization: traces to 0; 5-1% fine Py anhedral diss grains and fine-grained	547.05	548.00	0.00	V469066	0.0040	Au-ICP21	VO19097555
			548.00	549.00	0.00	V469067	0.0040	Au-ICP21	VO19097555
			549.00	550.00	0.00	V469068	0.0010	Au-ICP21	VO19097555
			550.00	551.00	0.00	V469069	0.0100	Au-ICP21	VO19097555
			551.00	552.00	0.00	V469070	0.0050	Au-ICP21	VO19097555
			552.00	552.60	0.00	V469071	0.0100	Au-ICP21	VO19097555

aggregates in fractures.

The lower contact is distinct, at 40CA.

- 547.05 550.00 HM; CB; SR-
Hématisation; Carbonatisation; Séricitisation -
Moderate pervasive Hem and patchy to pervasive Carb, locally minor Ser.
Carb in microfractures.
- 550.00 552.60 CB; HM; SR-
Carbonatisation; Hématisation; Séricitisation -
Mod-str pervasive Carb, wk-mod patchy Hem, minor Ser.
- 547.05 552.60 PY00.5
Pyrite 0.5%
Traces to 0.5% Py, locally 1% Py, fine diss anhedral grains and aggregates.
- 550.00 552.60 FA-
Fracturé(e)-
Wk-mod fracturing with white Cal and colorless silica infilling.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
552.60	564.00	V3B	552.60	553.30	0.00	V469072	0.0460	Au-ICP21	VO19097555
		Basalte 40°	553.30	554.00	0.00	V469074	0.0270	Au-ICP21	VO19097555
		Basalt, massive, fine-grained, with minor localized amygdules. Pervasively chloritized, medium greenish grey with a mottled appearance due to mod-str patchy Ep alteration and 1-3% brownish syenite injections. Patchy magnetic (non-magn to wk-mod magn).	554.00	555.00	0.00	V469075	0.0480	Au-ICP21	VO19097555
		Mod-str irregular fracturing with Cal and Ep infilling. Brecciated basalt in the upper portion of the unit and cemented by Cal-Qz veins.	555.00	556.00	0.00	V469076	0.0310	Au-ICP21	VO19097555
		Mineralization: traces to 0.5-1% Py in in fractures, rims of veinlets and in epidote patches; 1-4% Py fine grains and fine-grained aggregates in syenite injections and some Qz-Cal veinlets.	556.00	557.00	0.00	V469077	0.0100	Au-ICP21	VO19097555
			557.00	558.00	0.00	V469078	0.0180	Au-ICP21	VO19097555
			558.00	559.00	0.00	V469079	0.1080	Au-ICP21	VO19097555
			559.00	560.00	0.00	V469080	0.0320	Au-ICP21	VO19097555
			560.00	561.00	0.00	V469081	0.0500	Au-ICP21	VO19097555
			561.00	562.00	0.00	V469082	0.0760	Au-ICP21	VO19097555
			562.00	563.00	0.00	V469083	0.0920	Au-ICP21	VO19097555
		EOH	563.00	564.00	0.00	V469084	0.0960	Au-ICP21	VO19097555
552.60	555.30	CL; CB; Si-; MG Chloritisation; Carbonatisation; Silicification -; Magnétite Mod-str pervasive Chl, mod-str Cal in matrix and fractures. Minor silicification halos around some Qz-Cal veins. Mod-str magnetic.							

555.30	564.00	CL; EP; CB; HM-; Si-; MG Chloritisation; Épidotisation; Carbonatisation; Hématisation -; Silicificatio Mod--str pervasvie Chl, mod-str patchy and fracture-filling Ep and Cal. Minor reddish brown Hem+Sil patches (syenite injections). Patchy magnetism.
552.60	553.25	PY01 Pyrite 1% 0.5-1% Py fine to med-size subhedral grains diss and in fractures.
553.25	553.95	PY04 Pyrite 4% MINERALIZED ZONE 3-7% fine Py in Cal-Qz veins and host basalt.
553.95	555.30	PY01 Pyrite 1% Traces to 1% Py fine to med-size subhedral to anhedral grains in fractures, rims of Cal veinlets. Traces Cpy.
555.30	564.00	PY01 Pyrite 1% 1-4% Py fine grains and fine-grained aggregates in syenite injections and some Qz-Cal veinlets. Traces to 0.5-1% Py in epidote patches.
552.60	555.30	FA+; BX- Fracturé(e)+; Bréchique- Mod-str irregular fracturing with Cal infilling, locally brecciation.
555.30	564.00	FA Fracturé(e) Mod-str irregular fracturing with Cal and Ep infilling.

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	357.50	-59.70	Collar	12.00	356.86	-59.62	Reflex EZ-Gyro	27.00	357.33	-59.49	Reflex EZ-Gyro
57.00	356.88	-59.13	Reflex EZ-Gyro	87.00	358.22	-58.73	Reflex EZ-Gyro	120.00	358.43	-58.37	Reflex EZ-Gyro
153.00	356.63	-57.88	Reflex EZ-Gyro	183.00	358.38	-57.15	Reflex EZ-Gyro	213.00	359.51	-56.32	Reflex EZ-Gyro
243.00	358.63	-55.89	Reflex EZ-Gyro	273.00	1.39	-55.42	Reflex EZ-Gyro	303.00	1.95	-54.82	Reflex EZ-Gyro
303.01	1.67	-54.78	Reflex EZ-Gyro	333.00	1.76	-54.40	Reflex EZ-Gyro	363.00	0.86	-53.88	Reflex EZ-Gyro
426.00	3.26	-52.40	Reflex EZ-Gyro	477.00	3.13	-51.78	Reflex EZ-Gyro	507.00	4.33	-51.34	Reflex EZ-Gyro
537.00	3.61	-50.63	Reflex EZ-Gyro	561.00	3.30	-50.00	Reflex EZ-Gyro				

Drillhole Information

Easting: 706806.00
Northing: 5489137.00
Elevation: 290.00
Azimuth 358.73
Dip -46.28

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-93
DrillStart: 07-Apr-19
DrillEnd: 13-Apr-19
Length (m): 363.00

Logging Information

LogBy: T. Coyle (OGQ #2079)
LogStart: 08-Apr-19
LogEnd: 13-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro occurred in one exercise, probably after drilling. The distances used are those which are in the download file, as there were no table entries in the database. The measurements were not optimized (4 min v 2 min), which reduces their accuracy. Survey by Orbit Garant.

This drillhole was targeting the syenite apatite rich-basalt contact along strike at 290-300m depth and sporadic >1g/t Au intersected in hole DO-13-122.

From 25 to 108.6m this drillhole intersected a weakly altered basalt with carbonate stringers locally weakly magnetic and with minor syenite injections starting from 94m with trace pyrite disseminated throughout.

From 108.6 to 120.9m aphanitic nonmagnetic basalt with alteration, mostly carbonate and bleaching increasing downhole. From 116 to 118 foliated interval with syenite injections.

From 120.9 to 123.9 fault zone followed by an altered syenite down to 1752.1m. The syenite is coarse grained with very little 0.25 % disseminated pyrite and pervasive carbonate and moderate silicification.

From 172.1 to 181.5 altered basalt with epidote stains and pervasive carbonate stringers or veinlets. The altered weakly basalt continues to 199.75m as carbonate flooded, epidote altered and brecciated in places.

From 199.75 to 228 carbonate altered basalt is invaded by reddish syenite injections that lack carbonate veining. Overall trace to 0.15% pyrite with up to 1% over short intervals.

From 228 to 253 the unit is a foliated brick-red syenite with trace pyrite. A major fault with graphitic gouge and badly broken syenite with brecciated and foliated fragments was intersected from 253 to 261.8m.

A possible Mineralized Zone follows the fault zone as a mixed interval of syenite with up to 40% aphanitic basaltic interval and trace to 1% very fine disseminated pyrite.

Mixed syenite basalt intervals continue down to 295.78m with trace to locally 1% over short intervals of finely disseminated pyrite.

From 321.53 to 363m this drillhole intersected a reddish-brown coarse grained massive porphyritic syenite with 0.5 -1% py as mm thick veinlets along fractures at 45 to 50 degrees tca over every three meters or so from 333 to 346m.

The drillhole was stopped at 363m in coarse grained porphyritic syenite with no visible sulphides.

Results:

109.2 - 111 m: 1.049 ppm Au/1.8 m

121.5 - 122 m: 0.254 ppm Au/0.5 m

149 - 150 m: 0.448 ppm Au/1 m

261 - 261.8 m: 0.34 ppm Au/0.80/1 m

PHILIP TERRENCE Coyle
P.S. Coyle
OGQ # 2079

T. Coyle (OGQ #2079)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	25.00	M-T Mort terrain Overburden							
25.00	108.60	V3B; AE Basalte; Altéré Weakly altered basalt-common carb stringers rarely clustered into an open stockwork -spotty weakly magnetic, predominantly weakly pervasively carb'd with short intervals non reactive. Several short intervals are strongly foliated as noted: -0.1% pyrite disseminated throughout. -38.2---2 large angular clasts of amorphous pale pink carbonatized material in massive basalt 60.55-61.35--80% foliated basalt in which the bands are from mmtric to centimetric are can be pale gray to black to slightly brownish- a few of the lighter bands are amorphous and very siliceous 81.5--81.85--interval of beige gray matrix breccia with basalt fragments- laced with cb stringers-siliceous- contacts 60 dtca 90.65--91.10--aphanitic siliceous -bands of varying shades of gray at 70 dtca- coarse pyrite in one band, fine in another-overal 1% 92.7-94.10--moderately foliated at 45 dtca- laminated shades of gray 94.10-95.45-- interval includes 3 X 2 cm pink syenite dykelets 97.4--100.5--several 20-30 cm, finely laminated and or brecciated siliceous multi-toned gray bands at 70 dtca-	25.00	26.00	0.00	A0102841	0.0030	Au-ICP21	VO19111098
			26.00	27.00	0.00	A0102842	0.0020	Au-ICP21	VO19111098
			27.00	27.65	0.00	A0102843	0.0030	Au-ICP21	VO19111098
			27.65	28.50	0.00	A0102844	0.0040	Au-ICP21	VO19111098
			28.50	29.00	0.00	A0102845	0.0010	Au-ICP21	VO19111098
			29.00	30.00	0.00	A0102846	0.0005	Au-ICP21	VO19111098
			30.00	30.60	0.00	A0102847	0.0010	Au-ICP21	VO19111098
			30.60	31.15	0.00	A0102848	0.0010	Au-ICP21	VO19111098
			31.15	32.00	0.00	A0102849	0.0020	Au-ICP21	VO19111098
			32.00	33.00	0.00	A0102850	0.0020	Au-ICP21	VO19111098
			33.00	34.00	0.00	A0102851	0.0005	Au-ICP21	VO19111098
			34.00	35.00	0.00	A0102852	0.0020	Au-ICP21	VO19111098
			35.00	36.00	0.00	A0102853	0.0010	Au-ICP21	VO19111098
			36.00	37.00	0.00	A0102854	0.0010	Au-ICP21	VO19111098
			37.00	38.00	0.00	A0102855	0.0010	Au-ICP21	VO19111098
			38.00	39.00	0.00	A0102857	0.0010	Au-ICP21	VO19111098
			39.00	40.00	0.00	A0102858	0.0080	Au-ICP21	VO19111098
			40.00	41.00	0.00	A0102859	0.0030	Au-ICP21	VO19111098
			41.00	41.60	0.00	A0102860	0.0070	Au-ICP21	VO19111098
			41.60	42.25	0.00	A0102861	0.0130	Au-ICP21	VO19111098
			42.25	43.00	0.00	A0102862	0.0060	Au-ICP21	VO19111098
			43.00	43.50	0.00	A0102863	0.0020	Au-ICP21	VO19111098
			43.50	44.00	0.00	A0102864	0.0010	Au-ICP21	VO19111098
			44.00	45.00	0.00	A0102865	0.0010	Au-ICP21	VO19111098
			45.00	46.00	0.00	A0102866	0.0030	Au-ICP21	VO19111098

		100.5--104.2-- very few carb stringers in dark green, moderately carbonatized basalt	46.00	47.00	0.00	A0102867	0.0010	Au-ICP21	VO19111098
		--most lams react to acid	47.00	48.00	0.00	A0102868	0.0010	Au-ICP21	VO19111098
		104.2--108.6--solitary carb stringers are common, mostly at 45 dtca	48.00	49.00	0.00	A0102869	0.0040	Au-ICP21	VO19111098
		105.4--105.4-- 2cm of of segmented pinkish syenite dykelet	49.00	50.00	0.00	A0102870	0.0030	Au-ICP21	VO19111098
		106.5--108.85--coarse-grained syenite-dark pink-contacts 10 d up, 35 d low	50.00	51.00	0.00	A0102871	0.0020	Au-ICP21	VO19111098
		-.02 sulphide as fine disseminations	51.00	52.00	0.00	A0102872	0.0020	Au-ICP21	VO19111098
			52.00	53.00	0.00	A0102874	0.0010	Au-ICP21	VO19111098
		64.9-65.1- cluster of mm, carbonate-filled vesicules	53.00	54.00	0.00	A0102875	0.0010	Au-ICP21	VO19111098
			54.00	55.00	0.00	A0102876	0.0020	Au-ICP21	VO19111098
		--foliation 45 dtca	55.00	56.00	0.00	A0102877	0.0020	Au-ICP21	VO19111098
			56.00	57.00	0.00	A0102878	0.0005	Au-ICP21	VO19111098
29.00	31.15	V3B (I2D); AE; FO	57.00	58.00	0.00	A0102879	0.0005	Au-ICP21	VO19111098
		Basalte avec 5 à 25% de syénite; Altéré; Folié	58.00	59.00	0.00	A0102880	0.0005	Au-ICP21	VO19111098
		80% foliated basalt in which the bands are from mmetric to centimetric are can be pale gray to black to slightly brownish-rare slightly greenish lams	59.00	60.00	0.00	A0102881	0.0010	Au-ICP21	VO19111098
			60.00	60.55	0.00	A0102882	0.0050	Au-ICP21	VO19111098
			60.55	61.35	0.00	A0102883	0.0020	Au-ICP21	VO19111098
			61.35	62.00	0.00	A0102884	0.0010	Au-ICP21	VO19111098
		many of the lighter bands are amorphous and very siliceous	62.00	63.00	0.00	A0102885	0.0020	Au-ICP21	VO19111098
		-only certain lams react to acid	63.00	64.00	0.00	A0102886	0.0005	Au-ICP21	VO19111098
		-.02 sulphide as fine disseminations	64.00	65.00	0.00	A0102887	0.0020	Au-ICP21	VO19111098
41.00	43.50	V3B; FO	65.00	66.00	0.00	A0102889	0.0460	Au-ICP21	VO19111098
		Basalte; Folié	66.00	67.00	0.00	A0102890	0.0080	Au-ICP21	VO19111098
		80% foliated basalt in which the bands are from mmetric to centimetric are can be pale gray to black to slightly brownish-rare slightly greenish lams	67.00	68.00	0.00	A0102891	0.0040	Au-ICP21	VO19111098
			68.00	69.00	0.00	A0102892	0.0020	Au-ICP21	VO19111098
			69.00	70.00	0.00	A0102893	0.0020	Au-ICP21	VO19111098
		many of the lighter bands are amorphous and very siliceous	70.00	71.00	0.00	A0102894	0.0070	Au-ICP21	VO19111098
		-only certain lams react to acid	71.00	72.00	0.00	A0102895	0.0190	Au-ICP21	VO19111098
		-.02 sulphide as fine disseminations	72.00	73.00	0.00	A0102896	0.0010	Au-ICP21	VO19111098
25.00	29.00	MG-; CB-	73.00	74.00	0.00	A0102897	0.0030	Au-ICP21	VO19111098
		Magnétite -; Carbonatisation -	74.00	75.00	0.00	A0102898	0.0010	Au-ICP21	VO19111098
		carbonatisation generally weak and pervasive	75.00	76.00	0.00	A0102899	0.0010	Au-ICP21	VO19111098
		magnetism spotty, weak except as noted in lithology	76.00	77.00	0.00	A0102900	0.0020	Au-ICP21	VO19111098
29.00	31.15	MG+; CB+; Si; HM-	77.00	78.00	0.00	A0102901	0.0030	Au-ICP21	VO19111098
		Magnétite +; Carbonatisation +; Silicification; Hémathisation -	78.00	79.00	0.00	A0102902	0.0030	Au-ICP21	VO19111098
		Strongly foliated zone of alteration	79.00	80.00	0.00	A0102903	0.0170	Au-ICP21	VO19111098
			80.00	81.00	0.00	A0102905	0.0150	Au-ICP21	VO19111098
			81.00	82.00	0.00	A0102906	0.0070	Au-ICP21	VO19111098
			82.00	83.00	0.00	A0102907	0.0040	Au-ICP21	VO19111098

31.15	71.00	MG-; CB-		83.00	84.00	0.00	A0102908	0.0150	Au-ICP21	VO19111098
		Magnétite -; Carbonatisation -		84.00	85.00	0.00	A0102909	0.0020	Au-ICP21	VO19111098
		carbonatisation generally weak and pervasive		85.00	86.00	0.00	A0102910	0.0020	Au-ICP21	VO19111098
		magnetism spotty, weak except as noted in lithology		86.00	87.00	0.00	A0102911	0.0020	Au-ICP21	VO19111098
71.00	108.60	CB--		87.00	88.00	0.00	A0102912	0.0050	Au-ICP21	VO19111098
		Carbonatisation --		88.00	89.00	0.00	A0102913	0.0010	Au-ICP21	VO19111098
		weak carbonatization		89.00	90.00	0.00	A0102914	0.0030	Au-ICP21	VO19111098
				90.00	91.00	0.00	A0102915	0.0060	Au-ICP21	VO19111098
27.85	28.50	T1A	10	91.00	92.00	0.00	A0102916	0.0020	Au-ICP21	VO19111098
		Brèche de faille 10°		92.00	93.00	0.00	A0102917	0.0020	Au-ICP21	VO19111098
		Otherwise competent core is broken up along fractures parallel to core-		93.00	94.00	0.00	A0102918	0.0060	Au-ICP21	VO19111098
		there is fine gouge on some rock pieces breccia		94.00	95.00	0.00	A0102919	0.0030	Au-ICP21	VO19111098
		-foliation in host rock in selvedges of breccia over 20 cm each side- 45 dtca		95.00	96.00	0.00	A0102920	0.0040	Au-ICP21	VO19111098
				96.00	97.00	0.00	A0102922	0.0020	Au-ICP21	VO19111098
				97.00	98.00	0.00	A0102923	0.0370	Au-ICP21	VO19111098
				98.00	99.00	0.00	A0102924	0.0600	Au-ICP21	VO19111098
				99.00	100.00	0.00	A0102925	0.0030	Au-ICP21	VO19111098
				100.00	101.00	0.00	A0102926	0.0020	Au-ICP21	VO19111098
				101.00	102.00	0.00	A0102927	0.0020	Au-ICP21	VO19111098
				102.00	103.00	0.00	A0102928	0.0010	Au-ICP21	VO19111098
				103.00	104.00	0.00	A0102929	0.0020	Au-ICP21	VO19111098
				104.00	105.00	0.00	A0102930	0.0010	Au-ICP21	VO19111098
				105.00	106.00	0.00	A0102931	0.0020	Au-ICP21	VO19111098
				106.00	107.00	0.00	A0102932	0.0050	Au-ICP21	VO19111098
				107.00	108.00	0.00	A0102933	0.0050	Au-ICP21	VO19111098
				108.00	108.60	0.00	A0102934	0.0005	Au-ICP21	VO19111098

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
108.60	120.90	V3B; AE	108.60	109.20	0.00	A0102935	0.0020	Au-ICP21	VO19111098
		Basalte; Altéré	109.20	110.00	0.00	A0102937	1.5600	Au-ICP21	VO19111098
		Basalt- aphanitic, non-magnetic-increasingly bleached by at first, a light beige	110.00	111.00	0.00	A0102938	0.6400	Au-ICP21	VO19111098
		stockwork becoming more invasive outward from fractures, into the wallrock	111.00	112.00	0.00	A0102939	0.0140	Au-ICP21	VO19111098
		until the rock is completely grayish beige.	112.00	113.00	0.00	A0102940	0.0060	Au-ICP21	VO19111098
		The alteration is strongly reactive to HCL and does not seem to have a silica	113.00	114.00	0.00	A0102941	0.0020	Au-ICP21	VO19111098
		component.	114.00	115.00	0.00	A0102942	0.0050	Au-ICP21	VO19111098
		Flooding by beige alteration fluid has finely brecciated short intervals	115.00	116.00	0.00	A0102943	0.0100	Au-ICP21	VO19111098
		0.15% fine pyrite overall	116.00	116.80	0.00	A0102944	0.0040	Au-ICP21	VO19111098
			116.80	117.50	0.00	A0102945	0.0200	Au-ICP21	VO19111098

113.00 to 116.8-- typical basalt	117.50	118.10	0.00	A0102946	0.0570	Au-ICP21	VO19111098
	118.10	119.00	0.00	A0102947	0.0110	Au-ICP21	VO19111098
116.8--118.1-- strongly foliated resulting in siliceous, amorphous, variably gray bands and minor red and pale green lams at 50 dtca	119.00	119.60	0.00	A0102948	0.0060	Au-ICP21	VO19111098
Rare bnds host massive to disseminated fine pyrite	119.60	120.35	0.00	A0102949	0.0060	Au-ICP21	VO19111098
	120.35	120.90	0.00	A0102950	0.0180	Au-ICP21	VO19111098
120.5--120.9--moderately magnetic-intense fine carbonate stringers at 30 d which transect earlier carbonate beige alteration and fine brecciation							

108.60	113.00	CB+					
		Carbonatisation +					
		beige gray carbonate alteration has invaded core from fine fractures					
116.80	118.10	Si					
		Silicification					
		#NAME?					
120.50	120.90	MG; CB+					
		Magnétite; Carbonatisation +					
		moderately magnetic--intense fine carb stringers at 30 dtca					

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
120.90	123.90	FAILLE; AE	120.90	121.50	0.00	A0102951	0.1030	Au-ICP21	VO19111098
		Faille; Altéré	121.50	122.00	0.00	A0102953	0.2540	Au-ICP21	VO19111098
		--no faulting-non magnetic- 0.5% fine pyrite	122.00	123.00	0.00	A0102954	0.0270	Au-ICP21	VO19111098
		intense multi-coloured paisley, aphanitic lams and bands of gray-green, grayish pink, bluish gray, medium gray and rare red	123.00	123.90	0.00	A0102955	0.0230	Au-ICP21	VO19111098
		two short intervals of red coarse grained syenite dykelets, 2 cm and 15 cm parallel to foliation							
		rare carbonate veinlets with coarse euhedral hematite crystals							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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123.90	172.10	I2D; AE	123.90	124.80	0.00	A0102956	0.0190	Au-ICP21	VO19111098
		Syénite; Altéré	124.80	125.60	0.00	A0102957	0.0110	Au-ICP21	VO19111098
		Coarse -grained syenite-	125.60	126.50	0.00	A0102958	0.0050	Au-ICP21	VO19111098
		-generally weak, spotty magnetism	126.50	127.00	0.00	A0102959	0.0110	Au-ICP21	VO19111098
		-0.25% pyrite finely disseminated throughout	127.00	128.00	0.00	A0102960	0.0010	Au-ICP21	VO19111098
		123.9--124.8-dark burgundy black-strongly carb'd --strongly magnetic--0.5%	128.00	129.00	0.00	A0102961	0.0010	Au-ICP21	VO19111098
		pyrite-moderately foliated--black fine frags at 70 dtca	129.00	130.00	0.00	A0102962	0.0005	Au-ICP21	VO19111098
		124.8- 135.45-- loss of burgundy tint-coarse grained abundant feldspar in	130.00	131.00	0.00	A0102963	0.0005	Au-ICP21	VO19111098
		black matrix-moderately, pervasively carbonatized-massive	131.00	132.00	0.00	A0102964	0.0020	Au-ICP21	VO19111098
		127.65--130.25--weak foliation 75 dtca becoming stronger with depth-	132.00	133.00	0.00	A0102965	0.0010	Au-ICP21	VO19111098
		129.0--129.9--texture completely gone- rock is grayish bands at 70	133.00	134.00	0.00	A0102966	0.0040	Au-ICP21	VO19111098
		dtca	134.00	135.00	0.00	A0102967	0.0090	Au-ICP21	VO19111098
		135.45--136.35- weak hematization of feldspars	135.00	135.50	0.00	A0102968	0.0130	Au-ICP21	VO19111098
		136.35--147.75--texture becomes blurred but still recognizable-	135.50	136.35	0.00	A0102970	0.0040	Au-ICP21	VO19111098
		hematization of both feldspars and matrix over intervals	136.35	137.00	0.00	A0102971	0.0050	Au-ICP21	VO19111098
		146.0--147.75--texture destroyed-strong carbonate and moderate	137.00	138.00	0.00	A0102972	0.0620	Au-ICP21	VO19111098
		silicification	138.00	139.00	0.00	A0102973	0.0070	Au-ICP21	VO19111098
		147.75--158-- local blurring of texture-otherwise coarse, abundant	139.00	140.00	0.00	A0102974	0.0330	Au-ICP21	VO19111098
		feldspars with a slight pink tint in a dark gray to black matrix- pink intensifies	140.00	141.00	0.00	A0102975	0.0060	Au-ICP21	VO19111098
		locally in feldspars	141.00	142.00	0.00	A0102976	0.0070	Au-ICP21	VO19111098
		158.00--172.1--typical, coarse-grained, strongly carbonatized, feldspar-rich	142.00	143.00	0.00	A0102977	0.0120	Au-ICP21	VO19111098
		intrusive with dark gray green matrix-weakly pervasively magnetic	143.00	144.00	0.00	A0102978	0.1300	Au-ICP21	VO19111098
		172,1-- sharp contact 45 dtca	144.00	145.00	0.00	A0102979	0.1480	Au-ICP21	VO19111098
			145.00	146.00	0.00	A0102980	0.0060	Au-ICP21	VO19111098
120.90	228.00	CB+; MG--	146.00	147.00	0.00	A0102981	0.0030	Au-ICP21	VO19111098
		Carbonatisation +; Magnétite --	147.00	147.75	0.00	A0102982	0.0180	Au-ICP21	VO19111098
		strongly pervasively carbonatized	147.75	148.50	0.00	A0102983	0.0390	Au-ICP21	VO19111098
		--spotty weak magnetism	148.50	149.00	0.00	A0102985	0.0360	Au-ICP21	VO19111098
			149.00	150.00	0.00	A0102986	0.4480	Au-ICP21	VO19111098
			150.00	151.00	0.00	A0102987	0.0270	Au-ICP21	VO19111098
			151.00	152.00	0.00	A0102988	0.0140	Au-ICP21	VO19111098
			152.00	153.00	0.00	A0102989	0.0400	Au-ICP21	VO19111098
			153.00	154.00	0.00	A0102990	0.0670	Au-ICP21	VO19111098
			154.00	155.00	0.00	A0102991	0.0460	Au-ICP21	VO19111098
			155.00	156.00	0.00	A0102992	0.0040	Au-ICP21	VO19111098
			156.00	157.00	0.00	A0102993	0.0100	Au-ICP21	VO19111098
			157.00	158.00	0.00	A0102994	0.0180	Au-ICP21	VO19111098
			158.00	159.00	0.00	A0102995	0.0280	Au-ICP21	VO19111098

159.00	160.00	0.00	A0102996	0.0190	Au-ICP21	VO19111098
160.00	161.00	0.00	A0102997	0.0030	Au-ICP21	VO19111098
161.00	162.00	0.00	A0102998	0.0390	Au-ICP21	VO19111098
162.00	163.00	0.00	A0102999	0.0230	Au-ICP21	VO19111098
163.00	164.00	0.00	A0103001	0.0080	Au-ICP21	VO19111098
164.00	165.00	0.00	A0103002	0.0270	Au-ICP21	VO19111098
165.00	166.00	0.00	A0103003	0.0750	Au-ICP21	VO19111098
166.00	167.00	0.00	A0103004	0.0170	Au-ICP21	VO19111098
167.00	168.00	0.00	A0103005	0.0060	Au-ICP21	VO19111098
168.00	169.00	0.00	A0103006	0.0190	Au-ICP21	VO19111098
169.00	170.00	0.00	A0103007	0.0240	Au-ICP21	VO19111098
170.00	171.00	0.00	A0103009	0.0020	Au-ICP21	VO19111098
171.00	171.50	0.00	A0103010	0.0470	Au-ICP21	VO19111098
171.50	172.10	0.00	A0103011	0.0090	Au-ICP21	VO19111098

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
172.10	181.50	V3B; AE	172.10	173.00	0.00	A0103012	0.0010	Au-ICP21	VO19111098
		Basalte; Altéré	173.00	174.00	0.00	A0103013	0.0005	Au-ICP21	VO19111098
		Epidote stained pervasive carbonate masks the rock as abundant ragged grains	174.00	175.00	0.00	A0103014	0.0010	Au-ICP21	VO19111098
		-few carbonate stringers or veinlets	175.00	175.50	0.00	A0103015	0.0005	Au-ICP21	VO19111098
		-non magnetic	175.50	176.20	0.00	A0103016	0.0020	Au-ICP21	VO19111098
		175.00--175.5--probable intrusive dyke displaying abundant coarse feldspar phenocryss beneath epidotized carbonate alteration	176.20	177.00	0.00	A0103017	0.0140	Au-ICP21	VO19111098
		looks very similar to surrounding host but for feldspar phenocrysts	177.00	178.00	0.00	A0103018	0.0090	Au-ICP21	VO19111098
		176.5--176.95-- clast supported carbonate matrix breccia--minor leaching	178.00	179.00	0.00	A0103019	0.0150	Au-ICP21	VO19111098
		177.0--178.00--boken up , minor gouge, strongly carb'd	179.00	180.00	0.00	A0103020	0.0050	Au-ICP21	VO19111098
		178.00--181.5--pale green epidote carbonate matrix carries scattered fine to coarse fragments throughout interval	180.00	181.00	0.00	A0103021	0.0030	Au-ICP21	VO19111098
		178.75--179.00--brecciation by and of apinching and swelling amorphous gray quartz vein	181.00	181.50	0.00	A0103022	0.0300	Au-ICP21	VO19111098

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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181.50	199.75	V3B; AE	181.50	182.00	0.00	A0103023	0.0280	Au-ICP21	VO19111098
		Basalte; Altéré	182.00	183.00	0.00	A0103024	0.0050	Au-ICP21	VO19111098
		Basalt invaded by and flooded by both pervasive carbonate and abundant ragged fine to thick lenses and patches which in places have brecciated the host and which, in general are aligned at 45 dtca.	183.00	184.00	0.00	A0103026	0.0020	Au-ICP21	VO19111098
		--weakly magnetic	184.00	185.00	0.00	A0103027	0.0020	Au-ICP21	VO19111098
		Over short lengths, epidote is pervasively present as at 172.10	185.00	186.00	0.00	A0103028	0.0020	Au-ICP21	VO19111098
		the unit is leached slightly, pervasively and locally displays pitting up to 1 cm across.	186.00	187.00	0.00	A0103029	0.0130	Au-ICP21	VO19111098
			187.00	188.00	0.00	A0103030	0.0030	Au-ICP21	VO19111104
			188.00	189.00	0.00	A0103031	0.0040	Au-ICP21	VO19111104
			189.00	190.00	0.00	A0103032	0.0060	Au-ICP21	VO19111104
			190.00	191.00	0.00	A0103033	0.0090	Au-ICP21	VO19111104
			191.00	192.00	0.00	A0103034	0.0030	Au-ICP21	VO19111104
			192.00	193.00	0.00	A0103035	0.0040	Au-ICP21	VO19111104
			193.00	194.00	0.00	A0103036	0.0070	Au-ICP21	VO19111104
			194.00	195.00	0.00	A0103037	0.0050	Au-ICP21	VO19111104
			195.00	196.00	0.00	A0103038	0.0060	Au-ICP21	VO19111104
			196.00	197.00	0.00	A0103039	0.0060	Au-ICP21	VO19111104
			197.00	198.00	0.00	A0103041	0.0040	Au-ICP21	VO19111104
			198.00	199.00	0.00	A0103042	0.0050	Au-ICP21	VO19111104
			199.00	199.75	0.00	A0103043	0.0030	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
199.75	228.00	V3B I2D	199.75	200.30	0.00	A0103044	0.0040	Au-ICP21	VO19111104
		Basalte avec 25 à 50% de syénite	200.30	201.00	0.00	A0103045	0.0030	Au-ICP21	VO19111104
		--measured 9 meters of variable intrusive usually weakly foliated with texture blurred to hidden	201.00	202.00	0.00	A0103046	0.0230	Au-ICP21	VO19111104
		--basalt is a dark gray laced with fine, to coarse wispy lenses and patches.	202.00	203.00	0.00	A0103047	0.0040	Au-ICP21	VO19111104
		--the intrusive intervals lack carbonate veining although they are strongly carbonatized	203.00	204.00	0.00	A0103048	0.0140	Au-ICP21	VO19111104
			204.00	205.00	0.00	A0103049	0.0040	Au-ICP21	VO19111104
			205.00	206.00	0.00	A0103050	0.0130	Au-ICP21	VO19111104
		-characteristics of basalt are chaotic carbonate veinlets, aphanitic, can have abundant light greenish fine ep/ca grains masking the rock	206.00	207.00	0.00	A0103051	0.0780	Au-ICP21	VO19111104
		and can be injected with narrow reddish intrusive dykelets	207.00	208.00	0.00	A0103052	0.0880	Au-ICP21	VO19111104
			208.00	209.00	0.00	A0103053	0.0130	Au-ICP21	VO19111104
			209.00	210.00	0.00	A0103054	0.0130	Au-ICP21	VO19111104
		- characterisitic of intrusive portions- can have abundant parallel dark stringers, can be gray intrusive with vague feldspar phenocrysts, can be beige-gray intrusive with rare clusters of bluish stringers at 70 dtca, can be pale mauve with abundant disseminated fine mafic minerals and common carb vnls and stringers at 60 dtca, can be slightly leached	210.00	211.00	0.00	A0103055	0.0340	Au-ICP21	VO19111104
		--occasional large fragments of basalt	211.00	212.00	0.00	A0103057	0.0410	Au-ICP21	VO19111104
			212.00	213.00	0.00	A0103058	0.0100	Au-ICP21	VO19111104
			213.00	214.00	0.00	A0103059	0.0030	Au-ICP21	VO19111104
			214.00	215.00	0.00	A0103060	0.0150	Au-ICP21	VO19111104
			215.00	216.00	0.00	A0103061	0.1030	Au-ICP21	VO19111104

-pyrite is trace to 0.15-rare short lengths have 1 % fine disseminated

216.00	217.00	0.00	A0103062	0.0010	Au-ICP21	VO19111104
217.00	218.00	0.00	A0103063	0.0020	Au-ICP21	VO19111104
218.00	219.00	0.00	A0103064	0.0005	Au-ICP21	VO19111104
219.00	220.00	0.00	A0103065	0.0350	Au-ICP21	VO19111104
220.00	221.00	0.00	A0103066	0.0350	Au-ICP21	VO19111104
221.00	222.00	0.00	A0103067	0.0790	Au-ICP21	VO19111104
222.00	223.00	0.00	A0103068	0.1660	Au-ICP21	VO19111104
223.00	224.00	0.00	A0103069	0.0600	Au-ICP21	VO19111104
224.00	225.00	0.00	A0103070	0.0020	Au-ICP21	VO19111104
225.00	226.00	0.00	A0103071	0.0110	Au-ICP21	VO19111104
226.00	227.00	0.00	A0103072	0.0080	Au-ICP21	VO19111104
227.00	228.00	0.00	A0103074	0.0080	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
228.00	253.00	I2D; FO	228.00	229.00	0.00	A0103075	0.0060	Au-ICP21	VO19111104
		Syénite; Folié	229.00	230.00	0.00	A0103076	0.0030	Au-ICP21	VO19111104
		Overall appearance is brick red- however, this is variable from solid red to mottled and foliated, as noted below. The main interval is non magnetic and non carb'd except as noted. Overall, the pyrite content is only 0.10 to 0.15%-- parts identified as solid, being red and massive, seem to carry more pyrite than the mottled/foliated intervals	230.00	230.60	0.00	A0103077	0.0060	Au-ICP21	VO19111104
			230.60	231.20	0.00	A0103078	0.0030	Au-ICP21	VO19111104
			231.20	232.00	0.00	A0103079	0.0140	Au-ICP21	VO19111104
			232.00	233.00	0.00	A0103080	0.0110	Au-ICP21	VO19111104
			233.00	234.00	0.00	A0103081	0.0120	Au-ICP21	VO19111104
		228.0--230.6--mottled red/pink/bluish/green lams or patches, with locally abundant fine to coarse, dark grn-gy mafic minerals disseminated (could be fragments)	234.00	235.00	0.00	A0103082	0.1110	Au-ICP21	VO19111104
		Foliation is moderate at 55 dtca- carbonate strongly pervasive	235.00	236.00	0.00	A0103083	0.0580	Au-ICP21	VO19111104
			236.00	236.50	0.00	A0103084	0.0780	Au-ICP21	VO19111104
			236.50	237.10	0.00	A0103085	0.0170	Au-ICP21	VO19111104
		230.6--237.1 --red brick, fine white and greenish ragged flecks, common to abundant, any original texture is gone, or masked--massive	237.10	238.00	0.00	A0103086	0.0150	Au-ICP21	VO19111104
			238.00	239.00	0.00	A0103087	0.0160	Au-ICP21	VO19111104
			239.00	239.60	0.00	A0103089	0.0340	Au-ICP21	VO19111104
		237.1--240.25--mottled and foliated-large patches of light gray beige alteration with minor coarse fragments--local clusters of silvery gray mafic minerals-- short intervals are solid, red, and massive	239.60	240.25	0.00	A0103090	0.0080	Au-ICP21	VO19111104
			240.25	240.75	0.00	A0103091	0.0100	Au-ICP21	VO19111104
			240.75	241.50	0.00	A0103092	0.0130	Au-ICP21	VO19111104
		240.25--241.5--solid, red interval as at 230.6	241.50	242.50	0.00	A0103093	0.0340	Au-ICP21	VO19111104
			242.50	243.50	0.00	A0103094	0.0060	Au-ICP21	VO19111104
		241.5-244.45--mottled but not foliated	243.50	244.45	0.00	A0103095	0.0090	Au-ICP21	VO19111104
			244.45	245.00	0.00	A0103096	0.0250	Au-ICP21	VO19111104
		244.45--246.3--solide, bright red-feldspars are weakly apparent	245.00	246.00	0.00	A0103097	0.0360	Au-ICP21	VO19111104
			246.00	247.00	0.00	A0103098	0.0130	Au-ICP21	VO19111104
		246.3--253.0--mottled as at 228-weakly foliated	247.00	248.00	0.00	A0103099	0.0200	Au-ICP21	VO19111104

228.00	253.00	PY01-025	248.00	249.00	0.00	A0103100	0.0270	Au-ICP21	VO19111104
		Pyrite 01-025	249.00	250.00	0.00	A0103101	0.0110	Au-ICP21	VO19111104
		Over all trace to 0.5 % pyrite.	250.00	251.00	0.00	A0103102	0.0080	Au-ICP21	VO19111104
			251.00	252.00	0.00	A0103103	0.0080	Au-ICP21	VO19111104
			252.00	253.00	0.00	A0103105	0.0080	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
253.00	261.80	FAILLE; LP	253.00	254.00	0.00	A0103106	0.0070	Au-ICP21	VO19111104
		Faille; Laminations parallèles	254.00	255.00	0.00	A0103107	0.0920	Au-ICP21	VO19111104
		Major fault Zone-	255.00	256.00	0.00	A0103108	0.0280	Au-ICP21	VO19111104
		--rock is badly broken with only a few solid pieces- graphite gouge is evident from place to place on fracture planes over short intervals	256.00	257.00	0.00	A0103109	0.0480	Au-ICP21	VO19111104
		-the rock is well foliated at 45 dtca and is comprised of aphanitic gray/pink/cream/and red lamination- non- carb'd, local spotty magnetism	257.00	258.00	0.00	A0103110	0.0160	Au-ICP21	VO19111104
		-no visible sulphide	258.00	259.00	0.00	A0103111	0.0120	Au-ICP21	VO19111104
		258.5--259.5 -- probable main part of fault with abundant gouge and breccia evident in rock pieces-strongly carb'd	259.00	259.50	0.00	A0103112	0.0680	Au-ICP21	VO19111104
		259.5-261.8--diminishing breakage and occurrences of graphitic gouge- interveing rock is competent	259.50	260.00	0.00	A0103113	0.0590	Au-ICP21	VO19111104
			260.00	261.00	0.00	A0103114	0.1330	Au-ICP21	VO19111104
			261.00	261.80	0.00	A0103115	0.3400	Au-ICP21	VO19111104

253.00	261.80	FJ; T1A; FA; T1C	45
		Faille; Brèche de faille; Fracturé(e); Boue de faille 45°	
		Intense breaking of rock-several graphitic gouge zones abundantly fractured-breccia apparent on some rock pieces-few whole pieces of rock See Main Lithology	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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261.80	275.35	I2D V3B; AE; FO Syénite avec 25 à 50% de basalte; Altéré; Folié Mixed intrusive and 40% basalt- aphanitic. no veining by carbonate-both rock types exhibit fine faint gray to pale white stockworks, locally, of either fine carb fractures or healed mafic micro fractures Basalt interverals are dark gray, weakly to moderately foliated at 50-55 d and become increasingly siliceous with depth- rare mottling and brecciation with different colours. Carbonate and magnetite are moderately pervasive over first few meters but then diminish to locally weak. Intrusive is dark red to dark grayish red-massive-siliceous. The original texture of the intrusive is not seen	261.80	262.50	0.00	A0103116	0.0150	Au-ICP21	VO19111104
			262.50	263.00	0.00	A0103117	0.0070	Au-ICP21	VO19111104
			263.00	264.00	0.00	A0103118	0.0340	Au-ICP21	VO19111104
			264.00	265.00	0.00	A0103119	0.0180	Au-ICP21	VO19111104
			265.00	266.00	0.00	A0103120	0.0080	Au-ICP21	VO19111104
			266.00	267.00	0.00	A0103122	0.0020	Au-ICP21	VO19111104
			267.00	268.00	0.00	A0103123	0.0070	Au-ICP21	VO19111104
			268.00	269.00	0.00	A0103124	0.0150	Au-ICP21	VO19111104
			269.00	270.00	0.00	A0103125	0.0150	Au-ICP21	VO19111104
			270.00	271.00	0.00	A0103126	0.0180	Au-ICP21	VO19111104
			271.00	272.00	0.00	A0103127	0.0300	Au-ICP21	VO19111104
			272.00	273.00	0.00	A0103128	0.0370	Au-ICP21	VO19111104
			273.00	274.00	0.00	A0103129	0.0090	Au-ICP21	VO19111104
			274.00	274.60	0.00	A0103130	0.0120	Au-ICP21	VO19111104
			274.60	275.35	0.00	A0103131	0.0220	Au-ICP21	VO19111104

261.00 280.85 PY
Pyrite
Trace to 0.5% very fine grained pyrite. Vrom 270-273 very fine veinlets along thin 5-10cm sheared mixed basalt syenite interval.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
275.35	280.85	I2D; AE Syénite; Altéré Dark grayish red intrusive-no original texture seen- network of fine, light gray stringers as stockwork locally common to abundant to clustered dark greenish gray fragments of basalt or of a mafic material -rock is strongly pervasively carbonatized, non magnetic, and massive rare pitted carbonate vnl parallel to core 279.4--280--well foliated gray/black/red/ lams at 45 dtca--mixing?	275.35	276.00	0.00	A0103132	0.0020	Au-ICP21	VO19111104
			276.00	277.00	0.00	A0103133	0.0020	Au-ICP21	VO19111104
			277.00	278.00	0.00	A0103134	0.0010	Au-ICP21	VO19111104
			278.00	279.00	0.00	A0103135	0.0010	Au-ICP21	VO19111104
			279.00	280.00	0.00	A0103137	0.0090	Au-ICP21	VO19111104
			280.00	280.85	0.00	A0103138	0.0010	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
280.85	285.13	V3B I2D	280.85	281.85	0.00	A0103139	0.0050	Au-ICP21	VO19111104
		Basalte avec 25 à 50% de syénite	281.85	282.85	0.00	A0103140	0.0060	Au-ICP21	VO19111104
		Greenish-grey fine grained aphanitic basalt moderately magneitc with reddish- brown syenite injections. From 284.77 to 285.13 coarse grained porphyritic syenite ,both contacts sharp at 50 degrees tca. Trace pyrite as isolated specks.	282.85	283.85	0.00	A0103141	0.0030	Au-ICP21	VO19111104
			283.85	284.77	0.00	A0103142	0.0030	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
285.13	286.70	I3	284.77	285.70	0.00	A0103143	0.0070	Au-ICP21	VO19111104
		Intrusif mafique	285.70	286.70	0.00	A0103144	0.0040	Au-ICP21	VO19111104
		Coarse grained salt and pepper texture possibly I3A intrusive. Moderately magnetic. Upper contact sharp at 40 degrees tca. Lower contact sharp at 50 degrees tca. 15cm sheared section near the lower contact.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
286.70	295.79	V3B (I2D)	286.70	287.70	0.00	A0103145	0.0080	Au-ICP21	VO19111104
		Basalte avec 5 à 25% de syénite	287.70	288.70	0.00	A0103146	0.0040	Au-ICP21	VO19111104
		Greenish-grey, fine grained aphanitic with carbonate +/- epidote veinlets some vuggy fractures. Syenite injections from 2-10cm thick with specks of pyrite at 292.3m. From 292.65 to 293.48 dark reddish-brown fine grained syenite vein with 1% disseminated pyrite. Both contascts sharp at 70 degrees tca.	288.70	289.70	0.00	A0103147	0.0060	Au-ICP21	VO19111104
			289.70	290.70	0.00	A0103148	0.0040	Au-ICP21	VO19111104
			290.70	291.70	0.00	A0103149	0.0050	Au-ICP21	VO19111104
			291.70	292.65	0.00	A0103150	0.0030	Au-ICP21	VO19111104
			292.65	293.48	0.00	A0103151	0.0040	Au-ICP21	VO19111104
			293.48	294.60	0.00	A0103153	0.0060	Au-ICP21	VO19111104
			294.60	295.79	0.00	A0103154	0.0080	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
295.79	321.53	I2D (V3B)	295.79	296.80	0.00	A0103155	0.0020	Au-ICP21	VO19111104
		Syénite avec 5 à 25% de basalte	296.80	297.90	0.00	A0103156	0.1410	Au-ICP21	VO19111104
		Reddish-brown to mauve, coarse grained porphyritic syenite. 5-10% basaltic intervals 1-3m long greenish-grey fine grained carbonate altered and moderately magnetic a couple of m long sections with gabbroic textures:	297.90	299.15	0.00	A0103157	0.0050	Au-ICP21	VO19111104
		295.79-296.8m gabbroic basalt interval.	299.15	300.20	0.00	A0103158	0.0030	Au-ICP21	VO19111104
		299.15 to 302.65m mix of fine grained and gabbroic basalt with syenite fragments.	300.20	301.20	0.00	A0103159	0.0070	Au-ICP21	VO19111104
		309.06 to 312.45 fine grained greenish-grey basalt with patches of disseminated pyrite 1-2%.	301.20	302.25	0.00	A0103160	0.0060	Au-ICP21	VO19111104
		316 to 319 mix of gabbroic basalt and fine grained carbonate altered basalt with trace pyrite.	302.25	303.10	0.00	A0103161	0.0260	Au-ICP21	VO19111104
			303.10	304.00	0.00	A0103162	0.0060	Au-ICP21	VO19111104
			304.00	305.00	0.00	A0103163	0.0005	Au-ICP21	VO19111104
			305.00	306.00	0.00	A0103164	0.0030	Au-ICP21	VO19111104
			306.00	307.00	0.00	A0103165	0.0020	Au-ICP21	VO19111104
			307.00	308.00	0.00	A0103166	0.0050	Au-ICP21	VO19111104
295.79	321.53	CB	308.00	309.06	0.00	A0103167	0.0010	Au-ICP21	VO19111104
		Carbonatisation	309.06	310.15	0.00	A0103168	0.0190	Au-ICP21	VO19111104
		Overall moderate carbonate alteration along carbonate veinlets and locally strong and pervasive over fine grained basaltic intervals.	310.15	311.30	0.00	A0103170	0.0070	Au-ICP21	VO19111104
			311.30	312.45	0.00	A0103171	0.0340	Au-ICP21	VO19111104
295.79	321.53	PY00.5	312.45	313.65	0.00	A0103172	0.0780	Au-ICP21	VO19111104
		Pyrite 0.5%	313.65	314.85	0.00	A0103173	0.0010	Au-ICP21	VO19111104
		Trace pyrite mainly on the basaltic interval and less on the syenite	314.85	316.00	0.00	A0103174	0.0060	Au-ICP21	VO19111104
			316.00	317.00	0.00	A0103175	0.0050	Au-ICP21	VO19111104
			317.00	318.00	0.00	A0103176	0.0030	Au-ICP21	VO19111104
			318.00	319.00	0.00	A0103177	0.0020	Au-ICP21	VO19111104
			319.00	320.00	0.00	A0103178	0.0040	Au-ICP21	VO19111104
			320.00	320.80	0.00	A0103179	0.0050	Au-ICP21	VO19111104
			320.80	321.53	0.00	A0103180	0.0060	Au-ICP21	VO19111104
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
321.53	346.00	I2D	321.53	322.60	0.00	A0103181	0.0010	Au-ICP21	VO19111104
		Syénite	322.60	323.70	0.00	A0103182	0.0010	Au-ICP21	VO19111104
		Dark reddish-brown, coarse grained syenite. Upper contact sharp at 40 degrees tca. From 333 to 347m 1-2% pyrite as disseminated euhedral 1-2mm grains and as very fine grained along 1-2mm fractures every three meters or so at 30 to 50 degrees tca. Locally weak carbonate alteration.	323.70	324.80	0.00	A0103183	0.0020	Au-ICP21	VO19111104
			324.80	325.90	0.00	A0103185	0.0070	Au-ICP21	VO19111104
			325.90	327.00	0.00	A0103186	0.0020	Au-ICP21	VO19111104
			327.00	328.00	0.00	A0103187	0.0020	Au-ICP21	VO19111104
			328.00	329.00	0.00	A0103188	0.0010	Au-ICP21	VO19111104
			329.00	330.00	0.00	A0103189	0.0080	Au-ICP21	VO19111104
333.00	346.00	PY01	330.00	331.00	0.00	A0103190	0.0120	Au-ICP21	VO19111104

Pyrite 1%

Pyrite veinlets along hairline fractures in syenite and 1-2% disseminated euhedral pyrite.

331.00	332.00	0.00	A0103191	0.0100	Au-ICP21	VO19111104
332.00	333.00	0.00	A0103192	0.0010	Au-ICP21	VO19111104
333.00	334.00	0.00	A0103193	0.0150	Au-ICP21	VO19111104
334.00	335.00	0.00	A0103194	0.0130	Au-ICP21	VO19111104
335.00	336.00	0.00	A0103195	0.0110	Au-ICP21	VO19111104
336.00	337.00	0.00	A0103196	0.0240	Au-ICP21	VO19111104
337.00	338.00	0.00	A0103197	0.0100	Au-ICP21	VO19111104
338.00	339.00	0.00	A0103198	0.0250	Au-ICP21	VO19111104
339.00	340.00	0.00	A0103199	0.0030	Au-ICP21	VO19111104
340.00	341.00	0.00	A0103201	0.0030	Au-ICP21	VO19111104
341.00	342.00	0.00	A0103202	0.0050	Au-ICP21	VO19111104
342.00	343.00	0.00	A0103203	0.0070	Au-ICP21	VO19111104
343.00	344.00	0.00	A0103204	0.0005	Au-ICP21	VO19111104
344.00	345.00	0.00	A0103205	0.0290	Au-ICP21	VO19111104
345.00	346.00	0.00	A0103206	0.0030	Au-ICP21	VO19111104

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
346.00	363.00	I2D	346.00	347.00	0.00	A0103207	0.0040	Au-ICP21	VO19111104
		Syénite	347.00	348.00	0.00	A0103209	0.0030	Au-ICP21	VO19111104
		Dark brownish-red, coarse grained, featureless, porphyritic syenite.	348.00	349.00	0.00	A0103210	0.0020	Au-ICP21	VO19111104
		EOH 363m	349.00	350.00	0.00	A0103211	0.0030	Au-ICP21	VO19111104
			350.00	351.00	0.00	A0103212	0.0040	Au-ICP21	VO19111104
			351.00	352.00	0.00	A0103213	0.0020	Au-ICP21	VO19111104
			352.00	353.00	0.00	A0103214	0.0020	Au-ICP21	VO19111104
			353.00	354.00	0.00	A0103215	0.0005	Au-ICP21	VO19111104
			354.00	355.00	0.00	A0103216	0.0010	Au-ICP21	VO19111104
			355.00	356.00	0.00	A0103217	0.0150	Au-ICP21	VO19111104
			356.00	357.00	0.00	A0103218	0.0100	Au-ICP21	VO19111104
			357.00	358.00	0.00	A0103219	0.0110	Au-ICP21	VO19111104
			358.00	359.00	0.00	A0103220	0.0020	Au-ICP21	VO19111106
			359.00	360.00	0.00	A0103221	0.0050	Au-ICP21	VO19111106
			360.00	361.00	0.00	A0103222	0.0050	Au-ICP21	VO19111106
			361.00	362.00	0.00	A0103223	0.0005	Au-ICP21	VO19111106
			362.00	363.00	0.00	A0103224	0.0005	Au-ICP21	VO19111106

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	358.73	-46.28	Collar	30.00	359.74	-45.65	Reflex EZ-Gyro	60.00	0.71	-45.43	Reflex EZ-Gyro
90.00	0.50	-45.29	Reflex EZ-Gyro	120.00	1.62	-45.11	Reflex EZ-Gyro	150.00	0.73	-45.02	Reflex EZ-Gyro
180.00	1.15	-44.89	Reflex EZ-Gyro	210.00	359.38	-44.78	Reflex EZ-Gyro	240.00	1.91	-44.61	Reflex EZ-Gyro
270.00	2.75	-44.55	Reflex EZ-Gyro	300.00	1.07	-44.44	Reflex EZ-Gyro	330.00	1.52	-44.44	Reflex EZ-Gyro
360.00	1.26	-44.35	Reflex EZ-Gyro								

Drillhole Information

Easting: 709046.00
Northing: 5489923.00
Elevation: 308.00
Azimuth 358.20
Dip -59.10

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-93
DrillStart: 13-Apr-19
DrillEnd: 18-Apr-19
Length (m): 432.00

Logging Information

LogBy: A. Peshkepia (OGQ #2143)
LogStart: 14-Apr-19
LogEnd: 19-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro. The file date/time stamps suggests the the survey was run down into the hole and then out of the hole. The readings on the latter set of measurements are erratic and should not be used. The first set of readings are also somewhat, but less, erratic, with some swings that don't seem reasonable. The readings were not optimized and are by nature less accurate. The distances recorded in the table are values that were adjusted at site by- 3 m from that recorded in the download file. Surveyed by Orbit Garant.

This drillhole targeted the up plunge interscetion of a 1993 drillhole at zone 531 coincident with a magnetic high.

After 87m of overburden this drillhole intersected variably altered basaltic flows from 87 to 209.8m, with pervasive epidote, carbonate veinlets and locally patchy silicification.

A coarse grained gabbroic textured basalt followed down to 224.7m. A fine grained basalt with py blebs and moderately magnetic was intersected from 224.7 to 241.5m.

The first syenite injected and/or contaminated basaltic flow was intersected from 2141.5 to 265.1m. It was foliated and contained trace pyrite.

From 265.1 to 308.4 this drillhole intersected massive chlorite intervals with up to 20% pyrite as bands stringers and disseminated starting from 271min what appear s to be a possible alteration pipe?

From 308 to 313.9m this drillhole intersected a possible felsic volcanic flow followed by foliated and syenite injected basalt with disseminated pyrite from 313.9 to 342m.

From 342 to 375 alternating altered basaltic sections with felsic volcanic intervals.

From 375 to 405.8 basaltic intervals alternated witg folited syenite contaminated sections with disseminated pyrite.

From 405.8 to 428.4m a mix of felsic volcanics and sediments(siltstone) with disseminated pyrite up to 10% was followed by a dark green chlorite altered magnesian baslat of ultramafic flowed down to the end of the hole at 432m.

The highest amount of sulphide mineralization was intersected from 286 to 313.9 m 15-20% pyrite with magnetite in chlorite altered basalts and from 353,5 to 380 8-10% disseminated pyrtie and minor magnetite in a mix of chlorite altered basalts, felsic volcanics and sediments.

Fracture-filling Chalcopyrite veinlets with a magnetite fragment were intersected from 405.4 to 405.6m.

Results:

257 - 260 m: 0.297 ppm Au/3 m

265 - 277 m: 0.702 ppm Au/12 m

286 - 330 m: 2.01 ppm Au/44 m

378 - 429 m: 2.81 ppm Au/51 m

A handwritten signature in black ink, appearing to read "A. Peshkepia". The signature is written in a cursive, slightly slanted style.

A. Peshkepia (OGQ #2143)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	86.30	M-T Mort terrain Overburden							
2.00	27.00	PY15 Pyrite 15% 15-20% pyrite as aggregates and stringers in a chlorite and silica altered basalt.							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
86.30	151.70	V3B Basalte Greenish-grey, fine grained aphanitic basalt. Pervasive epidote alteration as network of veinlets and patches. From 87 to 90m weakly magnetic, foliation subparalell to core axis. From 93 to 103m blocky core moderate fracturing. Carbonate veinlets far less then epidote. From 107.8 to 117m pervasive carbonate alteration as carbonate veinlets filling tension gushes. From 113 to 115.5m foliation subparalell to core axis, carbonate chlorite veinlerts with trace disseminated pyrite. Weakly magnetic. From 117 to 132m pervasive epidote alteration, trace disdseminated pyrite and pyrrhotite blebs at 123.8 and 129m. Moderate fracturing. From 132 to 149.4m pervasive epidote alteration as hairline fracture filling veinlets and patches. Minor carbonate alteration as veinlets with trace pyrite from 142 to 143m.	86.30	87.00	0.00	A0103226	0.0010	Au-ICP21	VO19111106
			87.00	88.00	0.00	A0103227	0.0005	Au-ICP21	VO19111106
			88.00	89.00	0.00	A0103228	0.0005	Au-ICP21	VO19111106
			89.00	90.00	0.00	A0103229	0.0040	Au-ICP21	VO19111106
			90.00	91.00	0.00	A0103230	0.0020	Au-ICP21	VO19111106
			91.00	92.00	0.00	A0103231	0.0005	Au-ICP21	VO19111106
			92.00	93.00	0.00	A0103232	0.0005	Au-ICP21	VO19111106
			93.00	94.00	0.00	A0103233	0.0005	Au-ICP21	VO19111106
			94.00	95.00	0.00	A0103234	0.0005	Au-ICP21	VO19111106
			95.00	96.00	0.00	A0103235	0.0005	Au-ICP21	VO19111106
			96.00	97.00	0.00	A0103236	0.0005	Au-ICP21	VO19111106
			97.00	98.00	0.00	A0103237	0.0010	Au-ICP21	VO19111106
			98.00	99.00	0.00	A0103238	0.0060	Au-ICP21	VO19111106
			99.00	100.00	0.00	A0103239	0.0010	Au-ICP21	VO19111106
86.30	107.00	EP; CB Épidotisation; Carbonatisation Pervasive patchy and as stockwork of veinlets. Weak carbonatisation as mm thick veinlets.	100.00	101.00	0.00	A0103241	0.0010	Au-ICP21	VO19111106
			101.00	102.00	0.00	A0103242	0.0010	Au-ICP21	VO19111106
			102.00	103.00	0.00	A0103243	0.0005	Au-ICP21	VO19111106
			103.00	104.00	0.00	A0103244	0.0005	Au-ICP21	VO19111106
107.00	117.00	CB; EP Carbonatisation; Épidotisation Pervasive carbonate alteration as well as epidote patches and veinlets.	104.00	105.00	0.00	A0103245	0.0005	Au-ICP21	VO19111106
			105.00	106.00	0.00	A0103246	0.0005	Au-ICP21	VO19111106
			106.00	107.00	0.00	A0103247	0.0005	Au-ICP21	VO19111106
			107.00	108.00	0.00	A0103248	0.0005	Au-ICP21	VO19111106

117.00	149.40	EP		108.00	109.00	0.00	A0103249	0.0010	Au-ICP21	VO19111106
		Épidotisation		109.00	110.00	0.00	A0103250	0.0010	Au-ICP21	VO19111106
		Pervasive epidote alteration as veinlets and patches with minor carbonate veinlets.		110.00	111.00	0.00	A0103251	0.0010	Au-ICP21	VO19111106
				111.00	112.00	0.00	A0103252	0.0005	Au-ICP21	VO19111106
				112.00	113.00	0.00	A0103253	0.0050	Au-ICP21	VO19111106
87.00	90.00	SC		113.00	114.00	0.00	A0103254	0.0100	Au-ICP21	VO19111106
		Schisteux(se)		114.00	115.00	0.00	A0103255	0.0030	Au-ICP21	VO19111106
		Foliation subparallel to core axis at 0 to15 degrees.		115.00	116.00	0.00	A0103257	0.0050	Au-ICP21	VO19111106
113.00	115.50	CS	15	116.00	117.00	0.00	A0103258	0.0005	Au-ICP21	VO19111106
		Cisaillé(e) 15°		117.00	118.00	0.00	A0103259	0.0005	Au-ICP21	VO19111106
		Foliation at 15-20 degrees to subparallel to core axis with carbonate and chlorite veinlets and trace pyrite.		118.00	119.00	0.00	A0103260	0.0010	Au-ICP21	VO19111106
149.40	151.70	FJ		119.00	120.00	0.00	A0103261	0.0005	Au-ICP21	VO19111106
		Faïlle		120.00	121.00	0.00	A0103262	0.0005	Au-ICP21	VO19111106
		Core broken in angular fragments 1-5cm.		121.00	122.00	0.00	A0103263	0.0005	Au-ICP21	VO19111106
				122.00	123.00	0.00	A0103264	0.0010	Au-ICP21	VO19111106
				123.00	124.00	0.00	A0103265	0.0070	Au-ICP21	VO19111106
				124.00	125.00	0.00	A0103266	0.0010	Au-ICP21	VO19111106
				125.00	126.00	0.00	A0103267	0.0005	Au-ICP21	VO19111106
				126.00	127.00	0.00	A0103268	0.0005	Au-ICP21	VO19111106
				127.00	128.00	0.00	A0103269	0.0005	Au-ICP21	VO19111106
				128.00	129.00	0.00	A0103270	0.0005	Au-ICP21	VO19111106
				129.00	130.00	0.00	A0103271	0.0030	Au-ICP21	VO19111106
				130.00	131.00	0.00	A0103272	0.0010	Au-ICP21	VO19111106
				131.00	132.00	0.00	A0103274	0.0005	Au-ICP21	VO19111106
				132.00	133.00	0.00	A0103275	0.0005	Au-ICP21	VO19111106
				133.00	134.00	0.00	A0103276	0.0005	Au-ICP21	VO19111106
				134.00	135.00	0.00	A0103277	0.0005	Au-ICP21	VO19111106
				135.00	136.00	0.00	A0103278	0.0005	Au-ICP21	VO19111106
				136.00	137.00	0.00	A0103279	0.0005	Au-ICP21	VO19111106
				137.00	138.00	0.00	A0103280	0.0010	Au-ICP21	VO19111106
				138.00	139.00	0.00	A0103281	0.0005	Au-ICP21	VO19111106
				139.00	140.00	0.00	A0103282	0.0040	Au-ICP21	VO19111106
				140.00	141.00	0.00	A0103283	0.0020	Au-ICP21	VO19111106
				141.00	142.00	0.00	A0103284	0.0005	Au-ICP21	VO19111106
				142.00	143.00	0.00	A0103285	0.0030	Au-ICP21	VO19111106
				143.00	144.00	0.00	A0103286	0.0060	Au-ICP21	VO19111106
				144.00	145.00	0.00	A0103287	0.0005	Au-ICP21	VO19111106
				145.00	146.00	0.00	A0103289	0.0010	Au-ICP21	VO19111106

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
			146.00	147.00	0.00	A0103290	0.0005	Au-ICP21	VO19111106
			147.00	148.00	0.00	A0103291	0.0020	Au-ICP21	VO19111106
			148.00	149.00	0.00	A0103292	0.0005	Au-ICP21	VO19111106
			149.00	150.00	0.00	A0103293	0.0010	Au-ICP21	VO19111106
			150.00	151.00	0.00	A0103294	0.0005	Au-ICP21	VO19111106
			151.00	152.00	0.00	A0103295	0.0005	Au-ICP21	VO19111106
151.70	169.85	V3B; AE; FO Basalte; Altéré; Folié Dark green fine grained to grey, altered basalt. Foliation subparalel to core axis. Chlorite alteration from 156 to 164m with carbonate veinlets magnetite veinlets and minor pyrite stringers from 155.5 to 156m. Fault gouge, green clay, from 158.1 to 158.4m. 3-4mm euhedral pyrite cubes from 153.5 to 154m.	152.00	153.00	0.00	A0103296	0.0020	Au-ICP21	VO19111106
			153.00	154.00	0.00	A0103297	0.0010	Au-ICP21	VO19111106
			154.00	155.00	0.00	A0103298	0.0005	Au-ICP21	VO19111106
			155.00	156.00	0.00	A0103299	0.0060	Au-ICP21	VO19111106
			156.00	157.00	0.00	A0103300	0.0070	Au-ICP21	VO19111106
			157.00	158.00	0.00	A0103301	0.0070	Au-ICP21	VO19111106
			158.00	159.00	0.00	A0103302	0.0020	Au-ICP21	VO19111106
151.70	163.00	CL; Si Chloritisation; Silicification Moderate to locally strong chlorite alteration mixed with moderate pervasive silicification and carbonate alteration mainly as veinlets.	159.00	160.00	0.00	A0103303	0.0010	Au-ICP21	VO19111106
			160.00	161.00	0.00	A0103305	0.0005	Au-ICP21	VO19111106
			161.00	162.00	0.00	A0103306	0.0020	Au-ICP21	VO19111106
			162.00	163.00	0.00	A0103307	0.0080	Au-ICP21	VO19111106
151.70	163.00	PY02 Pyrite 2% 2% pyrtie as euhedral grains and small blebs and veinlets.	163.00	164.00	0.00	A0103308	0.0050	Au-ICP21	VO19111106
			164.00	165.00	0.00	A0103309	0.0070	Au-ICP21	VO19111106
			165.00	166.00	0.00	A0103310	0.0030	Au-ICP21	VO19111106
158.10	158.40	FJ Faille Broken core chloritic fault gouge.	166.00	167.00	0.00	A0103311	0.0040	Au-ICP21	VO19111106
			167.00	168.00	0.00	A0103312	0.0030	Au-ICP21	VO19111106
			168.00	169.00	0.00	A0103313	0.0020	Au-ICP21	VO19111106
			169.00	169.85	0.00	A0103314	0.0030	Au-ICP21	VO19111106
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
169.85	186.00	V3B; AE Basalte; Altéré Greyish-green basalt, pervasive silicification, bleaching and epidote patches. Strongly magnetic form upper contact to 174m, moderately magnetic the rest of the unit. From 169.85 to 171.3m 10-15% disseminated and aggregates of pyrite in a silica and magnetite rich section possibly iron formation? Both contacts sharp at 40 degrees tca.	169.85	170.85	0.00	A0103315	0.0020	Au-ICP21	VO19111106
			170.85	171.90	0.00	A0103316	0.0020	Au-ICP21	VO19111106
			171.90	173.00	0.00	A0103317	0.0040	Au-ICP21	VO19111106
			173.00	174.00	0.00	A0103318	0.0030	Au-ICP21	VO19111106
			174.00	175.00	0.00	A0103319	0.0020	Au-ICP21	VO19111106
			175.00	176.00	0.00	A0103320	0.0040	Au-ICP21	VO19111106
			176.00	177.00	0.00	A0103322	0.0020	Au-ICP21	VO19111106
			177.00	178.00	0.00	A0103323	0.0020	Au-ICP21	VO19111106
169.85	186.00	Si; EP Silicification; Épidotisation	178.00	179.00	0.00	A0103324	0.0020	Au-ICP21	VO19111106

169.85	171.30	PY10 Pyrite 10% 10-15% pyrite in quartz-magnetite matrix.	179.00	180.00	0.00	A0103325	0.0020	Au-ICP21	VO19111106
			180.00	181.00	0.00	A0103326	0.0010	Au-ICP21	VO19111106
			181.00	182.00	0.00	A0103327	0.0020	Au-ICP21	VO19111106
			182.00	183.00	0.00	A0103328	0.0040	Au-ICP21	VO19111106
			183.00	184.00	0.00	A0103329	0.0010	Au-ICP21	VO19111106
			184.00	185.00	0.00	A0103330	0.0050	Au-ICP21	VO19111106
			185.00	186.00	0.00	A0103331	0.0050	Au-ICP21	VO19111106

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
186.00	198.00	V3B; AE Basalte; Altéré Greenish grey fine grained basalt. Weak foliation subparalell to core axis. Pervasive epidote alteration increases downhole. Patchy silicification. Trace pyrite.	186.00	187.00	0.00	A0103332	0.0010	Au-ICP21	VO19111106
			187.00	188.00	0.00	A0103333	0.0040	Au-ICP21	VO19111106
			188.00	189.00	0.00	A0103334	0.0010	Au-ICP21	VO19111106
			189.00	190.00	0.00	A0103335	0.0030	Au-ICP21	VO19111106
			190.00	191.00	0.00	A0103337	0.0010	Au-ICP21	VO19111106
			191.00	192.00	0.00	A0103338	0.0020	Au-ICP21	VO19111106
			192.00	193.00	0.00	A0103339	0.0020	Au-ICP21	VO19111106
186.00	198.00	EP Épidotisation Pervasive epidote alteration.	193.00	194.00	0.00	A0103340	0.0020	Au-ICP21	VO19111106
			194.00	195.00	0.00	A0103341	0.0020	Au-ICP21	VO19111106
			195.00	196.00	0.00	A0103342	0.0020	Au-ICP21	VO19111106
			196.00	197.00	0.00	A0103343	0.0010	Au-ICP21	VO19111106
			197.00	198.00	0.00	A0103344	0.0030	Au-ICP21	VO19111106

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
198.00	209.84	V3B; AE Basalte; Altéré Altered, vuggy, greenish-grey basalt. Pervasive vuggy carbonate veinlets at high angle to core axis and patchy epidote alteration. Blocky core. From 198 to 199.2m sheared section at 20 degrees tca.	198.00	199.00	0.00	A0103345	0.0010	Au-ICP21	VO19111106
			199.00	200.00	0.00	A0103346	0.0030	Au-ICP21	VO19111106
			200.00	201.00	0.00	A0103347	0.0120	Au-ICP21	VO19111106
			201.00	202.00	0.00	A0103348	0.0005	Au-ICP21	VO19111106
			202.00	203.00	0.00	A0103349	0.0010	Au-ICP21	VO19111106
			203.00	204.00	0.00	A0103350	0.0010	Au-ICP21	VO19111106
			204.00	205.00	0.00	A0103351	0.0005	Au-ICP21	VO19111106
198.00	210.00	CB; EP Carbonatisation; Épidotisation Pervasive vuggy carbonate veinlets at high angle to core axis and epidote as hairline fracure filling venlets.	205.00	206.00	0.00	A0103353	0.0005	Au-ICP21	VO19111106
			206.00	207.00	0.00	A0103354	0.0005	Au-ICP21	VO19111106
			207.00	208.00	0.00	A0103355	0.0005	Au-ICP21	VO19111106
			208.00	209.00	0.00	A0103356	0.0020	Au-ICP21	VO19111106
			209.00	210.00	0.00	A0103357	0.0030	Au-ICP21	VO19111106
198.00	199.20	CS Cisaillé(e) Weak sheared inteval at 20 degrees tca. Blocky core.							

Cisaillé(e) 35°

Sheared contact between the carbonate altered basalt above and the coarse grained massive gabbroic textured basaltic unit below. Trace pyrite as 5mm finely disseminated stringer at 208.84m.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
209.84	224.70	V3B Basalte Light greenish-grey epidote and carbonate altered, massive coarse grained gabbroic textured basalt. Grain size increases from 215.4m downhole. Trace of very finely disseminated pyrite from 212 to 213m. Pyrite stringer at 213.7m. From 223.5 to 224.7m sheared section with possible mm thick syenite injections and pervasive carbonate alteration at 40 degrees tca.	210.00	211.00	0.00	A0103358	0.0010	Au-ICP21	VO19111106
			211.00	212.00	0.00	A0103359	0.0005	Au-ICP21	VO19111106
			212.00	213.00	0.00	A0103360	0.0005	Au-ICP21	VO19111106
			213.00	214.00	0.00	A0103361	0.0030	Au-ICP21	VO19111106
			214.00	215.00	0.00	A0103362	0.0010	Au-ICP21	VO19111106
			215.00	216.00	0.00	A0103363	0.0005	Au-ICP21	VO19111106
			216.00	217.00	0.00	A0103364	0.0010	Au-ICP21	VO19111106
			217.00	218.00	0.00	A0103365	0.0030	Au-ICP21	VO19111106
210.00	217.00	EP; CB Épidotisation; Carbonatisation Pervasive epidote and carbonate as patches and vuggy veinlets.	218.00	219.00	0.00	A0103366	0.0005	Au-ICP21	VO19111106
			219.00	220.00	0.00	A0103367	0.0020	Au-ICP21	VO19111106
223.50	224.70	CB Carbonatisation Pervasive carbonate alteration and patchy epidote alteration.	220.00	221.00	0.00	A0103368	0.0090	Au-ICP21	VO19111106
			221.00	222.00	0.00	A0103370	0.0050	Au-ICP21	VO19111106
			222.00	223.00	0.00	A0103371	0.0005	Au-ICP21	VO19111106
			223.00	224.00	0.00	A0103372	0.0040	Au-ICP21	VO19111106
223.50	224.70	PY02 Pyrite 2%	224.00	225.00	0.00	A0103373	0.1250	Au-ICP21	VO19111106
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
224.70	241.55	V3B Basalte Green, fine grained aphanitic basalt. Pervasive fracture filling carbonate veinlets some are vuggy and filled with epidote. Py-po blebs at 231.1m. From 233 to 234.2m variolitic section with pale yellow epidote filled 1-4mm varioles. From 239.4 to 240 2m in-situ breccia with angular cm size basaltic fragments in carbonate matrix.	225.00	226.00	0.00	A0103374	0.0050	Au-ICP21	VO19111106
			226.00	227.00	0.00	A0103375	0.0020	Au-ICP21	VO19111106
			227.00	228.00	0.00	A0103376	0.0010	Au-ICP21	VO19111106
			228.00	229.00	0.00	A0103377	0.0005	Au-ICP21	VO19111106
			229.00	230.00	0.00	A0103378	0.0010	Au-ICP21	VO19111106
			230.00	231.00	0.00	A0103379	0.0005	Au-ICP21	VO19111106
			231.00	232.00	0.00	A0103380	0.0010	Au-ICP21	VO19111106
			232.00	233.00	0.00	A0103381	0.0005	Au-ICP21	VO19111106
			233.00	234.00	0.00	A0103382	0.0005	Au-ICP21	VO19111106
			234.00	235.00	0.00	A0103383	0.0020	Au-ICP21	VO19111106
			235.00	236.00	0.00	A0103385	0.0930	Au-ICP21	VO19111106
			236.00	237.00	0.00	A0103386	0.0030	Au-ICP21	VO19111106
			237.00	238.00	0.00	A0103387	0.0005	Au-ICP21	VO19111106
			238.00	239.00	0.00	A0103388	0.0010	Au-ICP21	VO19111106

239.00	240.00	0.00	A0103389	0.0005	Au-ICP21	VO19111106
240.00	241.00	0.00	A0103390	0.0050	Au-ICP21	VO19111106
241.00	242.00	0.00	A0103391	0.0005	Au-ICP21	VO19111106

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
241.55	250.30	V3B (I2D) Basalte avec 5 à 25% de syénite Medium grey with a brownish-hue massive fine grained basalt with possible syenite injections giving it a reddish hue. Pervasive vuggy carbonate veinlets. Trace euhedral pyrite grains from 244 to 245m.	242.00	243.00	0.00	A0103392	0.0005	Au-ICP21	VO19111106
			243.00	244.00	0.00	A0103393	0.0005	Au-ICP21	VO19111106
			244.00	245.00	0.00	A0103394	0.0005	Au-ICP21	VO19111106
			245.00	246.00	0.00	A0103395	0.0020	Au-ICP21	VO19111106
			246.00	247.00	0.00	A0103396	0.0010	Au-ICP21	VO19111106
			247.00	248.00	0.00	A0103397	0.0030	Au-ICP21	VO19111106
241.55	250.30	CB Carbonatisation Pervasive vuggy carbonate veinlets.	248.00	249.00	0.00	A0103398	0.0020	Au-ICP21	VO19111106
			249.00	250.00	0.00	A0103399	0.0050	Au-ICP21	VO19111106

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
250.30	265.10	V3B (I2D) Basalte avec 5 à 25% de syénite Brownish-grey to light grey with a light purple hue foliated and/or sheared basalt with possible syenite contamination. Pervasive strong carbonate alteration and silicification from 254 to 259.5m. Foliation between 25 and 40 degrees tca. Weakly magnetic with locally epidote patches and trace disseminated pyrite.	250.00	251.00	0.00	A0103401	0.0380	Au-ICP21	VO19111106
			251.00	252.00	0.00	A0103402	0.0060	Au-ICP21	VO19111106
			252.00	253.00	0.00	A0103403	0.0050	Au-ICP21	VO19111106
			253.00	254.00	0.00	A0103404	0.0060	Au-ICP21	VO19111106
			254.00	255.00	0.00	A0103405	0.0070	Au-ICP21	VO19111106
			255.00	256.00	0.00	A0103406	0.0080	Au-ICP21	VO19111106
			256.00	257.00	0.00	A0103407	0.0410	Au-ICP21	VO19111106
			257.00	258.00	0.00	A0103409	0.1650	Au-ICP21	VO19111106
			258.00	259.00	0.00	A0103410	0.6020	Au-ICP21	VO19111115
250.30	263.50	PY01 Pyrite 1% Trace to 1% pyrite as submm euhedral disseminated grains and occasional veinlets.	259.00	260.00	0.00	A0103411	0.1230	Au-ICP21	VO19111115
			260.00	261.00	0.00	A0103412	0.0310	Au-ICP21	VO19111115
			261.00	262.00	0.00	A0103413	0.1640	Au-ICP21	VO19111115
			262.00	263.00	0.00	A0103414	0.0090	Au-ICP21	VO19111115
250.30	263.50	CS Cisaillé(e) 30° Strongly sheared interval between 25 and 40 degrees tca in a possibly	263.00	264.00	0.00	A0103415	0.0190	Au-ICP21	VO19111115
			264.00	265.00	0.00	A0103416	0.0790	Au-ICP21	VO19111115

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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265.10	276.15	V3B; AE	265.00	266.00	0.00	A0103417	2.9300	Au-ICP21	VO19111115
		Basalte; Altéré	266.00	267.00	0.00	A0103418	0.5550	Au-ICP21	VO19111115
		Dark green to light grey, Pervasive chlorite alteration and silicification. Locally pervasive strong carbonate alteration. Could be an altered felsic flow.	267.00	268.00	0.00	A0103419	1.6400	Au-ICP21	VO19111115
		Foliation between 30 and 45 degrees tca. Aggregates and stringers of pyrite and pyrrhotite 15-20% from 271 to 275.4m.	268.00	269.00	0.00	A0103420	0.1470	Au-ICP21	VO19111115
			269.00	270.00	0.00	A0103421	0.1710	Au-ICP21	VO19111115
			270.00	271.00	0.00	A0103422	0.0870	Au-ICP21	VO19111115
			271.00	272.00	0.00	A0103423	0.0830	Au-ICP21	VO19111115
			272.00	273.00	0.00	A0103424	0.2440	Au-ICP21	VO19111115
271.00	275.40	PY15	273.00	274.00	0.00	A0103426	0.4720	Au-ICP21	VO19111115
		Pyrite 15%	274.00	275.00	0.00	A0103427	0.7330	Au-ICP21	VO19111115
		15-20% pyrite as stringers and aggregates in a silicified and chloritic matrix.	275.00	276.00	0.00	A0103428	1.2600	Au-ICP21	VO19111115

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
276.15	286.80	V3B (I2D); AE	276.00	277.00	0.00	A0103429	0.1020	Au-ICP21	VO19111115
		Basalte avec 5 à 25% de syénite; Altéré	277.00	278.00	0.00	A0103430	0.0060	Au-ICP21	VO19111115
		Brownish-grey with a faint reddish hue basalt. Vuggy with pervasive carbonate veinlets and possible syenite injections. Trace disseminated pyrite.	278.00	279.00	0.00	A0103431	0.0050	Au-ICP21	VO19111115
		Blocky core moderate fracturing from 282 to 285.5m.	279.00	280.00	0.00	A0103432	0.0700	Au-ICP21	VO19111115
			280.00	281.00	0.00	A0103433	0.0040	Au-ICP21	VO19111115
			281.00	282.00	0.00	A0103434	0.0070	Au-ICP21	VO19111115
276.15	286.80	CB	282.00	283.00	0.00	A0103435	0.0130	Au-ICP21	VO19111115
		Carbonatisation	283.00	284.00	0.00	A0103436	0.0610	Au-ICP21	VO19111115
		Pervasive carbonatisation as pinkish veins and veinlets at 20 degrees tca and tension gushes filling veinlets at high angle to core axis.	284.00	285.00	0.00	A0103437	0.0090	Au-ICP21	VO19111115
			285.00	286.00	0.00	A0103438	0.0530	Au-ICP21	VO19111115
276.15	286.80	PY01	286.00	287.00	0.00	A0103439	6.8400	Au-ICP21	VO19111115

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
286.80	308.40	V3B; AE	287.00	288.00	0.00	A0103441	3.3500	Au-ICP21	VO19111115
		Basalte; Altéré	288.00	289.00	0.00	A0103442	1.8650	Au-ICP21	VO19111115
		Dark green to dark grey chlorite altered basalt. Light grey to brown silicified interval with carbonate veinlets from upper contact to 291m. From 291 to 294m massive chlorite interval followed by a mix of chlorite altered silicified and carbonate veinlets basalt. Bands and stringers of pyrite and magnetite veinlets around pyrite aggregates throughout this interval with 20-25% pyrite.	289.00	290.00	0.00	A0103443	0.0790	Au-ICP21	VO19111115
			290.00	291.00	0.00	A0103444	0.2360	Au-ICP21	VO19111115
			291.00	292.00	0.00	A0103445	0.0740	Au-ICP21	VO19111115
			292.00	293.00	0.00	A0103446	0.0870	Au-ICP21	VO19111115
			293.00	294.00	0.00	A0103447	3.3600	Au-ICP21	VO19111115
			294.00	295.00	0.00	A0103448	0.3670	Au-ICP21	VO19111115
286.80	303.60	CL; Si; CB	295.00	296.00	0.00	A0103449	0.2100	Au-ICP21	VO19111115
		Chloritisation; Silicification; Carbonatisation	296.00	297.00	0.00	A0103450	0.0310	Au-ICP21	VO19111115
		Pervasive massive chlorite bands alternate with silicified and carbonate altered intervals.	297.00	298.00	0.00	A0103451	0.0290	Au-ICP21	VO19111115

286.80	303.60	PY20 Pyrite 20% Stringers and bands of semi-massive pyrite 20-25% with mm size magnetite stringers along the edges. Could explain the mag high anomaly.	298.00	299.00	0.00	A0103452	0.0170	Au-ICP21	VO19111115
			299.00	300.00	0.00	A0103453	0.1140	Au-ICP21	VO19111115
			300.00	301.00	0.00	A0103454	0.2010	Au-ICP21	VO19111115
			301.00	302.00	0.00	A0103455	0.0440	Au-ICP21	VO19111115
286.80	303.60	CS Cisaillé(e) 40° Foliation at 40 degrees tca marked by sulphide bands and carbonate veinlets.	302.00	303.00	0.00	A0103457	1.7550	Au-ICP21	VO19111115
			303.00	304.00	0.00	A0103458	0.8910	Au-ICP21	VO19111115
			304.00	305.00	0.00	A0103459	0.1680	Au-ICP21	VO19111115
			305.00	306.00	0.00	A0103460	6.7200	Au-ICP21	VO19111115
			306.00	307.00	0.00	A0103461	1.0050	Au-ICP21	VO19111115
			307.00	308.00	0.00	A0103462	0.1500	Au-ICP21	VO19111115

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
308.40	313.90	V1; FO Volcanique felsique non divisé; Folié Light grey to whitish-grey with greenish sections and bands and stringers of pyrite. Foliation at 40 degrees tca. 20% pyrite. Some of the pyrite bands are strongly magnetic. Probably a dacite(?). 312 to 313 semi-massive pyrite band in a chloritic section.	308.00	309.00	0.00	A0103463	2.2900	Au-ICP21	VO19111115
			309.00	310.00	0.00	A0103464	2.8600	Au-ICP21	VO19111115
			310.00	311.00	0.00	A0103465	1.5500	Au-ICP21	VO19111115
			311.00	312.00	0.00	A0103466	5.5400	Au-ICP21	VO19111115
			312.00	313.00	0.00	A0103467	0.3870	Au-ICP21	VO19111115
			313.00	314.00	0.00	A0103468	6.9500	Au-ICP21	VO19111115

308.40	313.90	PY20 Pyrite 20% Semi-massive pyrite bands and stringers at 30 to 40 degrees tca.							
308.40	313.90	CS Cisaillé(e) 40° Foliation at 40 degrees tca.	40						

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
313.90	342.00	V3B I2D Basalte avec 25 à 50% de syénite Pinkish-mauve syenite injected, foliated intervals alternate with greenish-grey with gabbroic textured and pervasive carboante alterd basaltic sections. 3-5% disseminated pyrite in the syenite injected section from 313.9 to 320.75m. Foliation at 35-40 degrees tca.	314.00	315.00	0.00	A0103469	13.0500	Au-GRA2	VO19111115
			315.00	316.00	0.00	A0103470	1.7300	Au-ICP21	VO19111115
			316.00	317.00	0.00	A0103471	1.1950	Au-ICP21	VO19111115
			317.00	318.00	0.00	A0103472	1.4700	Au-ICP21	VO19111115
			318.00	319.00	0.00	A0103474	6.7400	Au-ICP21	VO19111115
			319.00	320.00	0.00	A0103475	5.2600	Au-ICP21	VO19111115
		From 320.75 to 328.8m basaltic interval with 10-20cm reddish-brown syeniet injectec sections and 2% py as mm thick stringers.	320.00	321.00	0.00	A0103476	2.7200	Au-ICP21	VO19111115
		327.8 to 331.8 dark brownish-mauve syenite injected interval with 3-5% finely	321.00	322.00	0.00	A0103477	3.3100	Au-ICP21	VO19111115
			322.00	323.00	0.00	A0103478	0.5860	Au-ICP21	VO19111115

disseminated submm euhydral pyrite from 328 to 331.5m
 331.8 to 335.7 greenish-grey gabbroic textured interval with fine leucoxene overprint and trace pyrite.
 335.7 to 342m pinkish-mauve foliated and carbonate altered syenite injected interval. Foliation at 35 degrees tca. Fine leucoxene overprinting and fine 2% euhydral pyrite from 340 to 342m.

313.90 342.00 CB

Carbonatisation

Pervasive carbonate alteration and as fracturte filling veinlets.

313.90 320.75 PY04

Pyrite 4%

3-5% pyrite as mm thick veinlets and fine dissemination.

320.75 328.00 PY02

Pyrite 2%

2% finely disseminated py.

328.00 331.50 PY03

Pyrite 3%

3-4% finely disseminated pyrite and as mm thick stringers.

323.00	324.00	0.00	A0103479	0.5950	Au-ICP21	VO19111115
324.00	325.00	0.00	A0103480	0.0120	Au-ICP21	VO19111115
325.00	326.00	0.00	A0103481	0.1760	Au-ICP21	VO19111115
326.00	327.00	0.00	A0103482	1.7300	Au-ICP21	VO19111115
327.00	328.00	0.00	A0103483	0.4050	Au-ICP21	VO19111115
328.00	329.00	0.00	A0103484	0.9720	Au-ICP21	VO19111115
329.00	330.00	0.00	A0103485	1.3000	Au-ICP21	VO19111115
330.00	331.00	0.00	A0103486	0.0310	Au-ICP21	VO19111115
331.00	332.00	0.00	A0103487	0.0120	Au-ICP21	VO19111115
332.00	333.00	0.00	A0103489	0.0060	Au-ICP21	VO19111115
333.00	334.00	0.00	A0103490	0.0040	Au-ICP21	VO19111115
334.00	335.00	0.00	A0103491	0.0030	Au-ICP21	VO19111115
335.00	336.00	0.00	A0103492	0.1370	Au-ICP21	VO19111115
336.00	337.00	0.00	A0103493	0.0060	Au-ICP21	VO19111115
337.00	338.00	0.00	A0103494	0.0340	Au-ICP21	VO19111115
338.00	339.00	0.00	A0103495	0.0260	Au-ICP21	VO19111115
339.00	340.00	0.00	A0103496	0.0460	Au-ICP21	VO19111115
340.00	341.00	0.00	A0103497	0.0220	Au-ICP21	VO19111115
341.00	342.00	0.00	A0103498	0.0180	Au-ICP21	VO19111115

~~313.90 319.40 CS~~

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From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
342.00	353.00	V3B	342.00	343.00	0.00	A0103499	0.0120	Au-ICP21	VO19111115
		Basalte	343.00	344.00	0.00	A0103500	0.0060	Au-ICP21	VO19111115
		Greenish-grey fine grained altered basalt. Pervasive carbonate alteration. Blocky core, moderate fracturing from 343 to 349m. 2% pyrite as 1-3mm stringers. Vuggy carbonate veinlets 1-5mm thick.	344.00	345.00	0.00	A0103501	0.0040	Au-ICP21	VO19111115
			345.00	346.00	0.00	A0103502	0.0050	Au-ICP21	VO19111115
			346.00	347.00	0.00	A0103503	0.0020	Au-ICP21	VO19111115
			347.00	348.00	0.00	A0103505	0.0040	Au-ICP21	VO19111115
			348.00	349.00	0.00	A0103506	0.0030	Au-ICP21	VO19111115
			349.00	350.00	0.00	A0103507	0.0050	Au-ICP21	VO19111115
			350.00	351.00	0.00	A0103508	0.0030	Au-ICP21	VO19111115
			351.00	352.00	0.00	A0103509	0.0020	Au-ICP21	VO19111115
			352.00	353.00	0.00	A0103510	0.0020	Au-ICP21	VO19111115

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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353.00	362.00	V3B; AE Basalte; Altéré Dark green to grey to light grey altered basalt. 1-2m thick massive chlorite sections alternate with light grey foliated sections of more felsic composition with disseminated and stringers of pyrite from 353.5 to 356.3m. The chloritic interval from 360 to 362m contains 10% disseminated pyrite.	353.00	354.00	0.00	A0103511	0.0110	Au-ICP21	VO19111115
			354.00	355.00	0.00	A0103512	0.0020	Au-ICP21	VO19111115
			355.00	356.00	0.00	A0103513	0.0200	Au-ICP21	VO19111115
			356.00	357.00	0.00	A0103514	0.0090	Au-ICP21	VO19111115
			357.00	358.00	0.00	A0103515	0.0020	Au-ICP21	VO19111115
			358.00	359.00	0.00	A0103516	0.0100	Au-ICP21	VO19111115
			359.00	360.00	0.00	A0103517	0.0170	Au-ICP21	VO19111115
358.00	362.00	CL Chloritisation Massive chloritic section from 358 to 362m with 5-10% pyrite.	360.00	361.00	0.00	A0103518	0.0240	Au-ICP21	VO19111115
			361.00	362.00	0.00	A0103519	0.0400	Au-ICP21	VO19111115
353.50	356.50	PY10 Pyrite 10% 10% pyrite as disseminated and stringers.							
360.00	362.00	PY08 Pyrite 8% Aggregates of disseminated pyrite 8-10%.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
362.00	365.40	V1 Volcanique felsique non divisé Light grey to whitish-grey to black cherty looking felsic volcanic. Foliation subparallel to core axis. Pyrite veinlets along the foliation planes. Up to 10% pyrite.	362.00	363.00	0.00	A0103520	0.0170	Au-ICP21	VO19111115
			363.00	364.00	0.00	A0103522	0.0560	Au-ICP21	VO19111115
			364.00	365.00	0.00	A0103523	0.0260	Au-ICP21	VO19111115
362.00	365.40	PY10 Pyrite 10% 10% pyrite stringers subparallel to foliation.							
362.00	365.40	CS Cisaillé(e) 5° Foliation subparallel to core axis.							

365.40	375.00	S		365.00	366.00	0.00	A0103524	0.0080	Au-ICP21	VO19111115
		Sédiments non divisé		366.00	367.00	0.00	A0103525	0.0040	Au-ICP21	VO19111115
		Light grey, very fine grained, massive relatively soft probably mudstone from upper contact to 368.5m. From 368.5 to 375m dark grey sediment sections alternate with foliated felsic(?) intervals from 370.5 to 371.8m with disseminated and patches of pyrite subparallel to core axis with 10-15% pyrite.		367.00	368.00	0.00	A0103526	0.0060	Au-ICP21	VO19111115
				368.00	369.00	0.00	A0103527	0.0060	Au-ICP21	VO19111115
				369.00	370.00	0.00	A0103528	0.0030	Au-ICP21	VO19111115
				370.00	371.00	0.00	A0103529	0.0090	Au-ICP21	VO19111115
				371.00	372.00	0.00	A0103530	0.0220	Au-ICP21	VO19111115
				372.00	373.00	0.00	A0103531	0.0080	Au-ICP21	VO19111115
368.50	372.00	PY10		373.00	374.00	0.00	A0103532	0.0180	Au-ICP21	VO19111115
		Pyrite 10%		374.00	375.00	0.00	A0103533	0.0150	Au-ICP21	VO19111115
		5-10% disseminated and aggregates of pyrite.								

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
375.00	380.00	V3B	375.00	376.00	0.00	A0103534	0.0010	Au-ICP21	VO19111115
		Basalte	376.00	377.00	0.00	A0103535	0.0020	Au-ICP21	VO19111115
		Greenish-grey fine grained, pervasive carbonate alteration. Finely disseminated euhedral pyrite 5-8%.	377.00	378.00	0.00	A0103537	0.0410	Au-ICP21	VO19111115
			378.00	379.00	0.00	A0103538	0.7480	Au-ICP21	VO19111115
			379.00	380.00	0.00	A0103539	3.6700	Au-ICP21	VO19111115
375.00	380.00	CB							
		Carbonatisation							
		Pervasive moderate carbonate alteration.							
375.00	380.00	PY06							
		Pyrite 6%							
		5-7% disseminated euhedral pyrite 1-2mm grains.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
380.00	405.85	V3B I2D	380.00	381.00	0.00	A0103540	0.7410	Au-ICP21	VO19111115
		Basalte avec 25 à 50% de syénite	381.00	382.00	0.00	A0103541	0.0390	Au-ICP21	VO19111115
		Dark grey with dark reddish-brown intervals syenite injected basalt. Foliation at 40 degrees tca. Pervasive carbonate alteration as tension gushes filling vein lets. Pyrite as mm thick stringers and disseminated 3-5%. from 385 to 394m. From 398.5 to 402m sericite alteration in a synite interval with 2-3% disseminated py. From 405 to the lower contact brecciated section. cpy veinlets and a 10-15cm strongly magnetic fragment at 405.5m.	382.00	383.00	0.00	A0103542	0.6880	Au-ICP21	VO19111115
			383.00	384.00	0.00	A0103543	1.0400	Au-ICP21	VO19111115
			384.00	385.00	0.00	A0103544	0.2140	Au-ICP21	VO19111115
			385.00	386.00	0.00	A0103545	5.1300	Au-ICP21	VO19111115
			386.00	387.00	0.00	A0103546	0.9710	Au-ICP21	VO19111115
			387.00	388.00	0.00	A0103547	0.6540	Au-ICP21	VO19111115

380.00	400.00	CB	388.00	389.00	0.00	A0103548	0.7330	Au-ICP21	VO19111115
		Carbonatisation	389.00	390.00	0.00	A0103549	0.3020	Au-ICP21	VO19111115
		Pervasive carbonate as tension gushes filling veinlets.	390.00	391.00	0.00	A0103550	1.8000	Au-ICP21	VO19111115
380.00	394.00	PY04	391.00	392.00	0.00	A0103551	1.0900	Au-ICP21	VO19111115
		Pyrite 4%	392.00	393.00	0.00	A0103553	4.5400	Au-ICP21	VO19111115
		3-5% pyrite as veinlets and fine dissemination.	393.00	394.00	0.00	A0103554	3.6300	Au-ICP21	VO19111115
405.40	405.60	CP	394.00	395.00	0.00	A0103555	2.1900	Au-ICP21	VO19111115
		Chalcopyrite	395.00	396.00	0.00	A0103556	3.1100	Au-ICP21	VO19111115
		Fracture filling chalcopyrite veinlets 1-10mm thick in a strongly magnetic fragment.	396.00	397.00	0.00	A0103557	3.9300	Au-ICP21	VO19111115
386.00	393.00	CS	397.00	398.00	0.00	A0103558	7.4400	Au-ICP21	VO19111115
		Cisaillé(e)	398.00	399.00	0.00	A0103559	5.9000	Au-ICP21	VO19111115
		Foliation at 35 to40 degrees tca.	399.00	400.00	0.00	A0103560	5.3300	Au-ICP21	VO19111115
			400.00	401.00	0.00	A0103561	6.1100	Au-ICP21	VO19111115
			401.00	402.00	0.00	A0103562	6.3400	Au-ICP21	VO19111115
			402.00	403.00	0.00	A0103563	5.4800	Au-ICP21	VO19111115
			403.00	404.00	0.00	A0103564	9.7800	Au-ICP21	VO19111115
			404.00	405.00	0.00	A0103565	2.9700	Au-ICP21	VO19111115
			405.00	406.00	0.00	A0103566	3.5600	Au-ICP21	VO19111115

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
405.85	417.50	V1	406.00	407.00	0.00	A0103567	0.0130	Au-ICP21	VO19111115
		Volcanique felsique non divisé	407.00	408.00	0.00	A0103568	0.0320	Au-ICP21	VO19111115
		Intermediate to felsic volcanic interval with dark green altered basaltic intervals interlayered with greyish-beige more felsic sections. Foliated at 50 degrees tca. Very fine grained 3-5% pyrite from 409 to 412m in the more felsic interval.	408.00	409.00	0.00	A0103570	0.1500	Au-ICP21	VO19111115
			409.00	410.00	0.00	A0103571	0.2610	Au-ICP21	VO19111115
			410.00	411.00	0.00	A0103572	2.3500	Au-ICP21	VO19111115
			411.00	412.00	0.00	A0103573	0.5280	Au-ICP21	VO19111115
			412.00	413.00	0.00	A0103574	0.1110	Au-ICP21	VO19111115
400.00	425.00	SR	413.00	414.00	0.00	A0103575	0.1290	Au-ICP21	VO19111115
		Séricitisation	414.00	415.00	0.00	A0103576	2.6400	Au-ICP21	VO19111115
		Pervasive sericite alteration and chlorite on the more mafic sections.	415.00	416.00	0.00	A0103577	0.4120	Au-ICP21	VO19111115
410.00	412.00	PY03	416.00	417.00	0.00	A0103578	0.7810	Au-ICP21	VO19111115
		Pyrite 3%	417.00	418.00	0.00	A0103579	1.8650	Au-ICP21	VO19111115
		3-4% finely disseminated ov.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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417.50	428.40	V1		418.00	419.00	0.00	A0103580	0.7330	Au-ICP21	VO19111115
		Volcanique felsique non divisé		419.00	420.00	0.00	A0103581	0.8750	Au-ICP21	VO19111115
		Greyish-brown fine grained sericite altered felsic volcanic dacite? with 3-5% disseminated pyrite with interlayered beige brown fine grained siltstone(?) intervals near the lower contact from 424 to the lower contact. Lower contact sharp at 30 degrees tca.		420.00	421.00	0.00	A0103582	2.6100	Au-ICP21	VO19111115
				421.00	422.00	0.00	A0103583	9.3900	Au-ICP21	VO19111115
				422.00	423.00	0.00	A0103585	6.6900	Au-ICP21	VO19111115
				423.00	424.00	0.00	A0103586	12.2000	Au-GRA2	VO19111115
				424.00	425.00	0.00	A0103587	1.4250	Au-ICP21	VO19111115
				425.00	426.00	0.00	A0103588	3.6800	Au-ICP21	VO19111115
418.00	427.00	PY05		426.00	427.00	0.00	A0103589	1.2250	Au-ICP21	VO19111115
		Pyrite 5%		427.00	428.00	0.00	A0103590	4.6700	Au-ICP21	VO19111115
		5% finely disseminated and locally veinlets of pyrite.								
420.00	426.00	CS								
		Cisaillé(e)								
		Foliation at 30 degrees tca.								

From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate
428.40	432.00	V3F		428.00	429.00	0.00	A0103591	2.4300	Au-ICP21	VO19111115
		Basalte hyper-magnésien		429.00	430.00	0.00	A0103592	0.0150	Au-ICP21	VO19111115
		Dark green, medium grained, foliated chlorite altered magnesian basalt or ultramafic rock?. Foliation at 30-35 degrees tca.		430.00	431.00	0.00	A0103593	0.0040	Au-ICP21	VO19111115
		.		431.00	432.00	0.00	A0103594	0.0010	Au-ICP21	VO19111115
		EOH 432m								
428.40	432.00	CL								
		Chloritisation								
		Dark green pervasive chlorite alteration.								
428.40	432.00	CS	30							
		Cisaillé(e) 30°								
		Moderate to strong foliation at 30 degrees tca.								

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	358.20	-59.10	Collar	6.00	359.84	-60.65	Reflex EZ-Gyro	36.00	3.22	-61.09	Reflex EZ-Gyro
66.00	359.97	-62.26	Reflex EZ-Gyro	96.00	1.16	-62.27	Reflex EZ-Gyro	126.00	0.51	-62.06	Reflex EZ-Gyro
156.00	1.30	-61.94	Reflex EZ-Gyro	186.00	2.41	-60.48	Reflex EZ-Gyro	216.00	3.21	-60.08	Reflex EZ-Gyro
246.00	4.36	-59.63	Reflex EZ-Gyro	276.00	3.70	-59.35	Reflex EZ-Gyro	306.00	4.35	-58.94	Reflex EZ-Gyro
336.00	4.11	-58.35	Reflex EZ-Gyro	366.00	5.15	-57.80	Reflex EZ-Gyro	396.00	3.57	-57.33	Reflex EZ-Gyro
426.00	5.49	-56.34	Reflex EZ-Gyro								

Drillhole Information

Easting: 707858.00
Northing: 5490252.00
Elevation: 302.00
Azimuth 1.80
Dip -51.30

Drilling Information

DrillCo: Pikogan
DrillID: PK3
DrillStart: 06-Apr-19
DrillEnd: 10-Apr-19
Length (m): 357.00

Logging Information

LogBy: C. Gagnier (OGQ #1068)
LogStart: 06-Apr-19
LogEnd: 10-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Downhole survey by Reflex EZ-Gyro was during drilling; the distances recorded in the table are corrected values, which are 3 m less than that recorded in the download file.

Logged by C.Gagnier (0-266 m), M.Sokolov (266-357 m).

Résumé:

Forage DO-19-263, zone porphyre. Azimut: 1.8 degrés, plongée: - 51.3 degrés. Longueur planifiée : 350m. Longueur finale: 357m. Section : 707900E.

Cible : vérifier l'existence d'une continuité de la zone interceptée par le trou DO-18-247 (de 365 à 386m donnant 3.4 g/t sur 21m). Dans notre trou, la cible sera de 260 à 310m.

Résultats : Après avoir traversé le mort-terrain à 43.2m, nous avons une succession d'intrusions syénitiques et de basaltes, parfois de mélanges de ces deux lithologies et ce, jusqu'à 252.5m.

À cette profondeur et jusqu'à 268.15m, nous observons un basalte hyper-magnésien. Par la suite et jusqu'à la fin du trou nous avons de nouveau une alternance de syénites et de basaltes.

Plusieurs zones minéralisées ont été recoupées mais les plus prometteuses sont celles correspondant à notre cible (de 260 à 310m) :

- 1) De 252.5 à 268.8m : 2% pyrite
- 2) De 275.15 à 322,75m : 2% pyrite et traces de chalcoppyrite.

Structuralement, plusieurs zones cisailées, bréchifiées, faillées sont recoupées, notamment dans notre intervalle cible (260 à 310m).

Interprétation : La minéralisation de notre cible débute dans un basalte ultra-magnésien pour se poursuivre dans une syénite et se terminer dans un basalte. L'altération la plus significative est une carbonatation.

Results:

272 - 281.65 m: 1.04 ppm Au/9.65/1.04 m

341 - 342 m: 0.421 ppm Au/1 m



C. Gagnier (OGQ #1068)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	43.20	M-T Mort terrain Casing à 44m.							
43.20	87.40	V3B Basalte 40° Lave mafique verte foncée, homogène, aphanitique, massive, magnétique. Fortement chloritisée et carbonatisée. Localement fortement minéralisé. Contient quelques injections de syénite plus ou moins digérées par le basalte. Contact inférieur net à 40 degrés.	43.20	44.00	0.00	V470501	0.0120	Au-ICP21	VO19111115
			44.00	45.00	0.00	V470502	0.0070	Au-ICP21	VO19111115
			45.00	46.00	0.00	V470503	0.0210	Au-ICP21	VO19111115
			46.00	47.00	0.00	V470505	0.0170	Au-ICP21	VO19111115
			47.00	48.00	0.00	V470506	0.0850	Au-ICP21	VO19111117
			48.00	49.00	0.00	V470507	0.0150	Au-ICP21	VO19111117
44.10	45.30	I2D Syénite 40° Contacts francs à 50 degrés. Lave intermédiaire ? aphanitique de couleur verte/beige, massive, dure, chloritisée et séricitisée. Non magnétique.	49.00	50.00	0.00	V470508	0.0170	Au-ICP21	VO19111117
			50.00	51.00	0.00	V470509	0.0090	Au-ICP21	VO19111117
			51.00	52.00	0.00	V470510	0.0080	Au-ICP21	VO19111117
			52.00	53.00	0.00	V470511	0.0070	Au-ICP21	VO19111117
67.40	69.50	V3B (I2D) Basalte avec 5 à 25% de syénite 60° Contacts francs à 50 degrés. Lave intermédiaire ? aphanitique de couleur verte/beige, massive, dure, chloritisée et séricitisée. Non magnétique.	53.00	54.00	0.00	V470512	0.0100	Au-ICP21	VO19111117
			54.00	55.00	0.00	V470513	0.0050	Au-ICP21	VO19111117
			55.00	56.00	0.00	V470514	0.0150	Au-ICP21	VO19111117
			56.00	57.00	0.00	V470515	0.0190	Au-ICP21	VO19111117
43.20	87.40	CL; CB; EP Chloritisation; Carbonatisation; Épidotisation Forte chloritisation pénétrante. Calcifié: altération pénétrante et aussi, en veinules.	57.00	58.00	0.00	V470516	0.0180	Au-ICP21	VO19111117
			58.00	59.00	0.00	V470517	0.0040	Au-ICP21	VO19111117
			59.00	60.00	0.00	V470518	0.0050	Au-ICP21	VO19111117
			60.00	61.00	0.00	V470519	0.0090	Au-ICP21	VO19111117
50.80	58.60	PY01 Pyrite 1% Pyrite en veinules, en amas.	61.00	62.00	0.00	V470520	0.0100	Au-ICP21	VO19111117
			62.00	63.00	0.00	V470522	0.0180	Au-ICP21	VO19111117
			63.00	64.00	0.00	V470523	0.1560	Au-ICP21	VO19111117
60.50	69.00	PY01 Pyrite 1% Pyrite en amas, en veinules tordues.	64.00	65.00	0.00	V470524	0.0040	Au-ICP21	VO19111117
			65.00	66.00	0.00	V470525	0.0160	Au-ICP21	VO19111117
			66.00	67.00	0.00	V470526	0.0480	Au-ICP21	VO19111117
			67.00	68.00	0.00	V470527	0.1570	Au-ICP21	VO19111117

75.50	81.90	PY01.5 Pyrite 1.5% Pyrtite disséminée, en amas, en veinules.		68.00	69.00	0.00	V470528	0.0160	Au-ICP21	VO19111117
				69.00	70.00	0.00	V470529	0.0070	Au-ICP21	VO19111117
				70.00	71.00	0.00	V470530	0.0220	Au-ICP21	VO19111117
65.60	69.50	CS Cisaillé(e) 50° Lamines de calcite.	50	71.00	72.00	0.00	V470531	0.0050	Au-ICP21	VO19111117
				72.00	73.00	0.00	V470532	0.0050	Au-ICP21	VO19111117
				73.00	74.00	0.00	V470533	0.0080	Au-ICP21	VO19111117
				74.00	75.00	0.00	V470534	0.0060	Au-ICP21	VO19111117
				75.00	76.00	0.00	V470535	0.0040	Au-ICP21	VO19111117
				76.00	77.00	0.00	V470537	0.0060	Au-ICP21	VO19111117
				77.00	78.00	0.00	V470538	0.0180	Au-ICP21	VO19111117
				78.00	79.00	0.00	V470539	0.0090	Au-ICP21	VO19111117
				79.00	80.00	0.00	V470540	0.0060	Au-ICP21	VO19111117
				80.00	81.00	0.00	V470541	0.0290	Au-ICP21	VO19111117
				81.00	82.00	0.00	V470542	0.0350	Au-ICP21	VO19111117
				82.00	83.00	0.00	V470543	0.0040	Au-ICP21	VO19111117
				83.00	84.00	0.00	V470544	0.0080	Au-ICP21	VO19111117
				84.00	85.00	0.00	V470545	0.0140	Au-ICP21	VO19111117
				85.00	86.00	0.00	V470546	0.0170	Au-ICP21	VO19111117
				86.00	86.80	0.00	V470547	0.0130	Au-ICP21	VO19111117
				86.80	87.40	0.00	V470548	0.0120	Au-ICP21	VO19111117

From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate
87.40	98.00	I2D V3B Syénite avec 25 à 50% de basalte 40° Contact supérieur net à 40 degrés. Mélange hétérogène de 50% syénite et 50% basalte. La couleur varie de gris à rougeâtre/beige. Une faible foliation à 30 degrés est formée par l'enlignement de minces veinules de séricite et des grains de feldspaths. Localement magnétique (moyennement à fortement). Calcifié. Contact inférieur graduel sur 20cm.		87.40	88.00	0.00	V470549	0.0060	Au-ICP21	VO19111117
				88.00	89.00	0.00	V470550	0.0240	Au-ICP21	VO19111117
				89.00	90.00	0.00	V470551	0.0140	Au-ICP21	VO19111117
				90.00	91.00	0.00	V470553	0.0200	Au-ICP21	VO19111117
				91.00	92.00	0.00	V470554	0.0330	Au-ICP21	VO19111117
				92.00	93.00	0.00	V470555	0.0190	Au-ICP21	VO19111117
				93.00	94.00	0.00	V470556	0.0390	Au-ICP21	VO19111117
				94.00	95.00	0.00	V470557	0.0460	Au-ICP21	VO19111117
87.40	98.00	CL; CB; HM Chloritisation; Carbonatisation; Hématisation		95.00	96.00	0.00	V470558	0.0120	Au-ICP21	VO19111117
89.00	95.00	PY00.3 Pyrite 0.3% De 0% à 1% de pyrite disséminée.		96.00	97.00	0.00	V470559	0.0140	Au-ICP21	VO19111117
89.00	95.00	BX Bréchiq Localement bréchiq.		97.00	98.00	0.00	V470560	0.0030	Au-ICP21	VO19111117

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
98.00	106.30	V3B (I2D) Basalte avec 5 à 25% de syénite Contacts graduels sur 20cm. Basalte injecté par 20% de syénite: couleur verte sombre de loin mais en regardant à la loupe on observe des résidus brunâtres de feldspaths à demi-digérés. Fortement calcifié. Magnétique. 25% de veinules blanches de 1-2mm de calcite généralement à 50 degrés.	98.00	99.00	0.00	V470561	0.0120	Au-ICP21	VO19111117
			99.00	100.00	0.00	V470562	0.0140	Au-ICP21	VO19111117
			100.00	101.00	0.00	V470563	0.0100	Au-ICP21	VO19111117
			101.00	102.00	0.00	V470564	0.0120	Au-ICP21	VO19111117
			102.00	103.00	0.00	V470565	0.0060	Au-ICP21	VO19111117
			103.00	104.00	0.00	V470566	0.0080	Au-ICP21	VO19111117
			104.00	105.00	0.00	V470567	0.0070	Au-ICP21	VO19111117
98.00	106.30	CL; CB Chloritisation; Carbonatisation	105.00	105.70	0.00	V470568	0.0060	Au-ICP21	VO19111117
			105.70	106.30	0.00	V470570	0.0100	Au-ICP21	VO19111117
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
106.30	110.60	V3B; VA Basalte 60°; Variolaire Contact supérieur graduel sur 20cm. Lave mafique aphanitique, verte foncée, variolaire, magnétique, fortement chloritisée et calcifiée. Très faiblement schisteux à 60 degrés. Contact inférieur net à 70 degrés.	106.30	107.00	0.00	V470571	0.0060	Au-ICP21	VO19111117
			107.00	108.00	0.00	V470572	0.0100	Au-ICP21	VO19111117
			108.00	109.00	0.00	V470573	0.0030	Au-ICP21	VO19111117
			109.00	110.00	0.00	V470574	0.0010	Au-ICP21	VO19111117
			110.00	110.60	0.00	V470575	0.0030	Au-ICP21	VO19111117
106.30	110.60	CL; CB Chloritisation; Carbonatisation							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
110.60	113.40	I2D; PO Syénite 60°; Porphyrique Contacts francs: supérieur à 70 degrés, inférieur à 50 degrés. Présence de bordures de trempe aux contacts: la lave est endurcie sur 2-3cm. Syénite massive, homogène, rouge-brunâtre porphyrique contenant 25% de phénocristaux sub-automorphes de 1-2mm, incolores, blancs et verts pâles: feldspaths (potassiques et plagioclases). Magnétique et calcifié.	110.60	111.20	0.00	V470576	0.0050	Au-ICP21	VO19111117
			111.20	112.30	0.00	V470577	0.0005	Au-ICP21	VO19111117
			112.30	113.40	0.00	V470578	0.0010	Au-ICP21	VO19111117
110.60	113.40	HM Hématisation							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
113.40	126.90	V3B (I2D) Basalte avec 5 à 25% de syénite 50° Contacts nets à 50 degrés. Lave mafique injectée par 20% de syénite. Couleur verte pomme: forte épidotisation. Non magnétique. Calcifié. Faiblement schisteux à 50 degrés.	113.40	114.00	0.00	V470579	0.0150	Au-ICP21	VO19111117
			114.00	115.00	0.00	V470580	0.0300	Au-ICP21	VO19111117
			115.00	116.00	0.00	V470581	0.0070	Au-ICP21	VO19111117
			116.00	117.00	0.00	V470582	0.0060	Au-ICP21	VO19111117
			117.00	118.00	0.00	V470583	0.0160	Au-ICP21	VO19111117
121.40	122.30	I2D (V3B) Syénite avec 5 à 25% de basalte 50° Contacts francs à 50 degrés. Lave intermédiaire ? aphanitique de couleur verte/beige, massive, dure, chloritisée et séricitisée. Non magnétique.	118.00	119.00	0.00	V470585	0.0030	Au-ICP21	VO19111117
			119.00	120.00	0.00	V470586	0.0090	Au-ICP21	VO19111117
			120.00	121.00	0.00	V470587	0.0180	Au-ICP21	VO19111117
			121.00	122.00	0.00	V470588	0.0140	Au-ICP21	VO19111117
113.40	121.40	EP; CB; HM Épidotisation; Carbonatisation; Hématisation	122.00	123.00	0.00	V470589	0.0090	Au-ICP21	VO19111117
			123.00	124.00	0.00	V470590	0.0070	Au-ICP21	VO19111117
121.40	122.30	HM; CB; EP Hématisation; Carbonatisation; Épidotisation	124.00	125.00	0.00	V470591	0.0690	Au-ICP21	VO19111117
			125.00	126.00	0.00	V470592	0.0190	Au-ICP21	VO19111117
			126.00	126.90	0.00	V470593	0.0060	Au-ICP21	VO19111117

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
126.90	127.10	V3B Basalte 40° Contacts nets à 40 degrés. Lave mafique aphanitique homogène massive, variolaire. Non calcifié. non magnétique.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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127.10 130.60 I2D; PO
Syénite 40°; Porphyrique
 Contacts francs à 40 degrés. Intrusion identique à celle traversée précédemment: Syénite massive, homogène, rouge-brunâtre porphyrique contenant 25% de phénocristaux sub-automorphes de 1-2mm, incolores, blancs et verts pâles: feldspaths (potassiques et plagioclases). Non magnétique, non calcifié.

126.90	128.00	0.00	V470594	0.0060	Au-ICP21	VO19111117
128.00	129.10	0.00	V470595	0.0110	Au-ICP21	VO19111117
129.10	129.80	0.00	V470596	0.0070	Au-ICP21	VO19111117
129.80	130.60	0.00	V470597	0.0030	Au-ICP21	VO19111117

126.90 129.90 CL; EP; CB
Chloritisation; Épidotisation; Carbonatisation

129.90 130.50 HM
Hématisation

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
130.60	144.40	V3B Basalte 50° Contacts francs à 50 degrés. Lave mafique aphanitique verte foncée (jusqu'à 135m) puis devenant couleur vert pomme (forte épidotisation). Magnétique. Calcifié.	130.60	131.30	0.00	V470598	0.0020	Au-ICP21	VO19111117
			131.30	132.00	0.00	V470599	0.0330	Au-ICP21	VO19111117
			132.00	133.00	0.00	V470601	0.0005	Au-ICP21	VO19111117
			133.00	134.00	0.00	V470602	0.0020	Au-ICP21	VO19111117
			134.00	135.00	0.00	V470603	0.0020	Au-ICP21	VO19111117
			135.00	136.00	0.00	V470604	0.0070	Au-ICP21	VO19111117
130.50	133.40	CL Chloritisation	136.00	137.00	0.00	V470605	0.0100	Au-ICP21	VO19111117
			137.00	138.00	0.00	V470606	0.0430	Au-ICP21	VO19111117
133.40	135.00	CL; CB Chloritisation; Carbonatisation	138.00	139.00	0.00	V470607	0.0230	Au-ICP21	VO19111117
			139.00	140.00	0.00	V470609	0.0300	Au-ICP21	VO19111117
135.00	142.80	EP; CL; CB Épidotisation; Chloritisation; Carbonatisation	140.00	141.00	0.00	V470610	0.0710	Au-ICP21	VO19111117
			141.00	142.00	0.00	V470611	0.1490	Au-ICP21	VO19111117
142.80	144.40	CL; CB; EP Chloritisation; Carbonatisation; Épidotisation	142.00	143.00	0.00	V470612	0.0460	Au-ICP21	VO19111117
			143.00	143.70	0.00	V470613	0.0210	Au-ICP21	VO19111117
			143.70	144.40	0.00	V470614	0.0100	Au-ICP21	VO19111117

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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144.40	150.60	I2D; PO Syénite 50°; Porphyrique Contacts nets à 50 degrés,	144.40	145.00	0.00	V470615	0.0090	Au-ICP21	VO19111117
			145.00	146.00	0.00	V470616	0.0040	Au-ICP21	VO19111117
			146.00	147.00	0.00	V470617	0.0060	Au-ICP21	VO19111117
			147.00	148.00	0.00	V470618	0.0280	Au-ICP21	VO19111117
144.40	147.10	HM Hématisation	148.00	149.00	0.00	V470619	0.0010	Au-ICP21	VO19111117
			149.00	150.00	0.00	V470620	0.0060	Au-ICP21	VO19111117
147.10	150.60	HM; CB Hématisation; Carbonatisation	150.00	150.60	0.00	V470621	0.0050	Au-ICP21	VO19111117

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
150.60	181.50	V3B; VA Basalte 50°; Variolaire Contact supérieur net à 50 degrés. Lave mafique massive, localement variolaire, aphanitique, verte foncée. Magnétique et calcifié. Localement faillé, serpentinisé, talqueux. Carbonatisé. Magnétique. Contact inférieur net à 50 degrés.	150.60	151.20	0.00	V470622	0.0030	Au-ICP21	VO19111117
			151.20	152.00	0.00	V470623	0.0040	Au-ICP21	VO19111117
			152.00	153.00	0.00	V470624	0.0060	Au-ICP21	VO19111117
			153.00	154.00	0.00	V470626	0.0200	Au-ICP21	VO19111117
			154.00	155.00	0.00	V470627	0.0040	Au-ICP21	VO19111117
			155.00	156.00	0.00	V470628	0.0090	Au-ICP21	VO19111117
171.00	171.80	I2D; PO Syénite 50°; Porphyrique Contacts francs à 50 degrés. Lave intermédiaire ? aphanitique de couleur verte/beige, massive, dure, chloritisée et séricitisée. Non magnétique.	156.00	157.00	0.00	V470629	0.0140	Au-ICP21	VO19111117
			157.00	158.00	0.00	V470630	0.0350	Au-ICP21	VO19111117
			158.00	159.00	0.00	V470631	0.0170	Au-ICP21	VO19111117
			159.00	160.00	0.00	V470632	0.0100	Au-ICP21	VO19111117
150.60	171.00	CL; CB Chloritisation; Carbonatisation	160.00	161.00	0.00	V470633	0.0060	Au-ICP21	VO19111117
			161.00	162.00	0.00	V470634	0.0110	Au-ICP21	VO19111117
171.00	171.90	HM; CB Hématisation; Carbonatisation	162.00	163.00	0.00	V470635	0.0180	Au-ICP21	VO19111117
			163.00	164.00	0.00	V470636	0.0270	Au-ICP21	VO19111117
171.90	182.30	CL; ST; CB; TC Chloritisation; Serpentinisation; Carbonatisation; Tacification	164.00	165.00	0.00	V470637	0.0330	Au-ICP21	VO19111117
			165.00	166.00	0.00	V470638	0.0620	Au-ICP21	VO19111117
171.00	171.90	PY02 Pyrite 2% Pyrite disséminée.	166.00	167.00	0.00	V470639	0.0180	Au-ICP21	VO19111117
			167.00	168.00	0.00	V470641	0.0030	Au-ICP21	VO19111117
			168.00	169.00	0.00	V470642	0.0050	Au-ICP21	VO19111117
151.20	152.00	FJ Faille Stries de faille.	169.00	170.00	0.00	V470643	0.0170	Au-ICP21	VO19111117
			170.00	171.00	0.00	V470644	0.0240	Au-ICP21	VO19111117
			171.00	171.90	0.00	V470645	0.0120	Au-ICP21	VO19111117
171.90	181.50	FJ; FA Faille 10°; Fracturé(e) Stries de faille. Fracturé.	171.90	173.00	0.00	V470646	0.0070	Au-ICP21	VO19111117
			173.00	174.00	0.00	V470647	0.0020	Au-ICP21	VO19111117
			174.00	175.00	0.00	V470648	0.0040	Au-ICP21	VO19111117

175.00	176.00	0.00	V470649	0.0070	Au-ICP21	VO19111117
176.00	177.00	0.00	V470650	0.0010	Au-ICP21	VO19111117
177.00	178.00	0.00	V470651	0.0010	Au-ICP21	VO19111117
178.00	179.00	0.00	V470652	0.0030	Au-ICP21	VO19111117
179.00	180.00	0.00	V470653	0.0030	Au-ICP21	VO19111117
180.00	180.80	0.00	V470654	0.0030	Au-ICP21	VO19111117
180.80	181.50	0.00	V470655	0.0020	Au-ICP21	VO19111117

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
181.50	199.40	I2D; PO Syénite 50°; Porphyrique Contact supérieur net à 50 degrés. Syénite porphyrique massive couleur rouge brique contenant 50% de phénocristaux sub-automorphes de feldspaths blancs à rosés de 1 à 4mm, certains zonés. Trace de leucoxène. Minéralisé. Carbonatisé. Contact inférieur graduel sur 30cm.	181.50	182.30	0.00	V470657	0.0050	Au-ICP21	VO19111117
			182.30	183.00	0.00	V470658	0.0020	Au-ICP21	VO19111117
			183.00	184.00	0.00	V470659	0.0020	Au-ICP21	VO19111117
			184.00	185.00	0.00	V470660	0.0210	Au-ICP21	VO19111117
			185.00	186.00	0.00	V470661	0.0120	Au-ICP21	VO19111117
			186.00	187.00	0.00	V470662	0.0210	Au-ICP21	VO19111117
			187.00	188.00	0.00	V470663	0.0030	Au-ICP21	VO19111117
182.30	200.00	HM; CB Hématisation; Carbonatisation	188.00	189.00	0.00	V470664	0.0070	Au-ICP21	VO19111117
			189.00	190.00	0.00	V470665	0.0060	Au-ICP21	VO19111117
			190.00	191.00	0.00	V470666	0.0070	Au-ICP21	VO19111117
			191.00	192.00	0.00	V470667	0.0150	Au-ICP21	VO19111117
			192.00	193.00	0.00	V470668	0.0070	Au-ICP21	VO19111117
			193.00	194.00	0.00	V470669	0.0060	Au-ICP21	VO19111117
			194.00	195.00	0.00	V470670	0.0060	Au-ICP21	VO19111117
			195.00	196.00	0.00	V470671	0.0060	Au-ICP21	VO19111117
			196.00	197.00	0.00	V470672	0.0130	Au-ICP21	VO19111117
			197.00	198.00	0.00	V470674	0.0480	Au-ICP21	VO19111117
			198.00	198.70	0.00	V470675	0.0550	Au-ICP21	VO19111117
			198.70	199.40	0.00	V470676	0.0070	Au-ICP21	VO19111117

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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199.40	243.40	I2D		199.40	200.00	0.00	V470677	0.0040	Au-ICP21	VO19111117
		Syénite		200.00	201.00	0.00	V470678	0.0060	Au-ICP21	VO19111117
		Contact supérieur graduel sur 30cm. Syénite rouge brique relativement homogène, massive, constituée de moins de 10% de portions porphyriques montrant des contacts diffus. Les bordures des phénocristaux de feldspaths sont floues; leur dimension est de l'ordre du millimètre. Non magnétique. Contact inférieur net et cisailé à 40 degrés.		201.00	202.00	0.00	V470679	0.0050	Au-ICP21	VO19111117
				202.00	203.00	0.00	V470680	0.0040	Au-ICP21	VO19111117
				203.00	204.00	0.00	V470681	0.0040	Au-ICP21	VO19111117
				204.00	205.00	0.00	V470682	0.0030	Au-ICP21	VO19111117
				205.00	206.00	0.00	V470683	0.0060	Au-ICP21	VO19111117
				206.00	207.00	0.00	V470684	0.0040	Au-ICP21	VO19111117
200.00	227.00	HM		207.00	208.00	0.00	V470685	0.0010	Au-ICP21	VO19111117
		Hématisation		208.00	209.00	0.00	V470686	0.0060	Au-ICP21	VO19111117
227.00	231.50	HM; CB		209.00	210.00	0.00	V470687	0.0040	Au-ICP21	VO19111117
		Hématisation; Carbonatisation		210.00	211.00	0.00	V470689	0.0040	Au-ICP21	VO19111117
231.50	243.50	HM		211.00	212.00	0.00	V470690	0.0050	Au-ICP21	VO19111117
		Hématisation		212.00	213.00	0.00	V470691	0.0050	Au-ICP21	VO19111117
				213.00	214.00	0.00	V470692	0.0030	Au-ICP21	VO19111117
205.00	209.00	CS	75	214.00	215.00	0.00	V470693	0.0080	Au-ICP21	VO19111117
		Cisaillé(e) 75°		215.00	216.00	0.00	V470694	0.0140	Au-ICP21	VO19111117
		Lamines millimétriques de calcite rose.		216.00	217.00	0.00	V470695	0.0050	Au-ICP21	VO19111117
				217.00	218.00	0.00	V470696	0.0060	Au-ICP21	VO19111121
				218.00	219.00	0.00	V470697	0.0080	Au-ICP21	VO19111121
				219.00	220.00	0.00	V470698	0.0060	Au-ICP21	VO19111121
				220.00	221.00	0.00	V470699	0.0030	Au-ICP21	VO19111121
				221.00	222.00	0.00	V470700	0.0050	Au-ICP21	VO19111121
				222.00	223.00	0.00	V470701	0.0070	Au-ICP21	VO19111121
				223.00	224.00	0.00	V470702	0.0050	Au-ICP21	VO19111121
				224.00	225.00	0.00	V470703	0.0090	Au-ICP21	VO19111121
				225.00	226.00	0.00	V470705	0.0080	Au-ICP21	VO19111121
				226.00	227.00	0.00	V470706	0.0110	Au-ICP21	VO19111121
				227.00	228.00	0.00	V470707	0.0060	Au-ICP21	VO19111121
				228.00	229.00	0.00	V470708	0.0080	Au-ICP21	VO19111121
				229.00	230.00	0.00	V470709	0.0470	Au-ICP21	VO19111121
				230.00	231.00	0.00	V470710	0.0080	Au-ICP21	VO19111121
				231.00	232.00	0.00	V470711	0.0080	Au-ICP21	VO19111121
				232.00	233.00	0.00	V470712	0.0120	Au-ICP21	VO19111121
				233.00	234.00	0.00	V470713	0.0100	Au-ICP21	VO19111121
				234.00	235.00	0.00	V470714	0.0090	Au-ICP21	VO19111121
				235.00	236.00	0.00	V470715	0.0070	Au-ICP21	VO19111121
				236.00	237.00	0.00	V470716	0.0460	Au-ICP21	VO19111121

237.00	238.00	0.00	V470717	0.0630	Au-ICP21	VO19111121
238.00	239.00	0.00	V470718	0.0350	Au-ICP21	VO19111121
239.00	240.00	0.00	V470719	0.0220	Au-ICP21	VO19111121
240.00	241.00	0.00	V470720	0.0060	Au-ICP21	VO19111121
241.00	242.00	0.00	V470722	0.0130	Au-ICP21	VO19111121
242.00	242.60	0.00	V470723	0.0050	Au-ICP21	VO19111121
242.60	243.40	0.00	V470724	0.0150	Au-ICP21	VO19111121

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
243.40	250.00	V3B Basalte 45° Contacts nets à 45 degrés. Lave mafique de couleur verte sombre, aphanitique, recoupée par un réseau de veinules millimétriques entrecroisées de dolomite blanche (apparence de toile d'araignées). Faible dureté. Non magnétique.	243.40	244.00	0.00	V470725	0.0050	Au-ICP21	VO19111121
			244.00	245.00	0.00	V470726	0.0050	Au-ICP21	VO19111121
			245.00	246.00	0.00	V470727	0.0050	Au-ICP21	VO19111121
			246.00	247.00	0.00	V470728	0.0120	Au-ICP21	VO19111121
			247.00	248.00	0.00	V470729	0.0110	Au-ICP21	VO19111121
			248.00	249.00	0.00	V470730	0.0090	Au-ICP21	VO19111121
			249.00	250.00	0.00	V470731	0.0050	Au-ICP21	VO19111121
243.50	250.00	CL; CB Chloritisation; Carbonatisation La carbonatisation est une dolomitisation (réseau entrecroisé de veinules millimétriques: apparence de toile d'araignée).							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
250.00	252.50	I2D Syénite 50° Contact supérieur francs à 50 degrés. Syénite rouge brique non porphyrique, minéralisée, calcifiée. Non magnétique. Contact inférieur formé par une veine de quartz à 50 degrés.	250.00	251.00	0.00	V470732	0.0360	Au-ICP21	VO19111121
			251.00	251.75	0.00	V470733	0.0150	Au-ICP21	VO19111121
			251.75	252.50	0.00	V470734	0.0580	Au-ICP21	VO19111121
250.00	252.50	HM; CB Hématisation; Carbonatisation Calcification.							
250.00	252.50	PY01.5 Pyrite 1.5% De 1% à 2% de py disséminée.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
252.50	268.15	V3F Basalte hyper-magnésien 50° Contact supérieur net et veiné à 50 degrés. Basalte ultra-magnésien ? Lave mafique aphanitique noire, dense, tendre, magnétique. Recoupée par un réseau de 10% de veinules millimétriques de dolomite blanche à angle variable mais souvent à 40 degrés. Contact inférieur net à 45 degrés. Magnesian Basalt to Komatiitic Basalt. Black chlorite and possibly serpentine alteration. From 265.7 to 268.15 m - increasing bleaching of basalt towards the lower contact with syenite. Basalt becomes non-magnetic, paler grey, pervasively carbonatized. From 267.3 m - mod-str sheared with moderately-developed foliation at ~60CA defined by fibrous sericite. Mineralization: :traces to 1-3% Py small subhedral to anhedral grains in Carb veinlets, minor disseminated. 1-3% fine to med-size diss Py in a bleached section. The lower contact with syenite is distinct, at ~72CA.	252.50	253.00	0.00	V470735	0.0090	Au-ICP21	VO19111121
			253.00	254.00	0.00	V470737	0.0140	Au-ICP21	VO19111121
			254.00	255.00	0.00	V470738	0.0070	Au-ICP21	VO19111121
			255.00	256.00	0.00	V470739	0.0250	Au-ICP21	VO19111121
			256.00	257.00	0.00	V470740	0.0240	Au-ICP21	VO19111121
			257.00	258.00	0.00	V470741	0.0120	Au-ICP21	VO19111121
			258.00	259.00	0.00	V470742	0.0280	Au-ICP21	VO19111121
			259.00	260.00	0.00	V470743	0.0120	Au-ICP21	VO19111121
			260.00	261.00	0.00	V470744	0.0170	Au-ICP21	VO19111121
			261.00	262.00	0.00	V470745	0.0090	Au-ICP21	VO19111121
			262.00	263.00	0.00	V470746	0.0110	Au-ICP21	VO19111121
			263.00	264.00	0.00	V470747	0.0110	Au-ICP21	VO19111121
			264.00	265.00	0.00	V470748	0.0070	Au-ICP21	VO19111121
			265.00	266.00	0.00	V470749	0.0220	Au-ICP21	VO19111121
			266.00	267.00	0.00	V470750	0.0150	Au-ICP21	VO19111121
			267.00	267.60	0.00	V470751	0.0060	Au-ICP21	VO19111121
			267.60	268.15	0.00	V470753	0.0320	Au-ICP21	VO19111121
265.70	267.20	V2J Andésite 50° Contacts francs à 50 degrés. Lave intermédiaire ? aphanitique de couleur verte/beige, massive, dure, chloritisée et séricitisée. Non magnétique.							
252.50	265.70	CL; CB; MG Chloritisation; Carbonatisation; Magnétite Dolomitisation. Pervasive black chlorite and possibly serpentine. Mod-str magnetism,							
265.70	267.30	CB+ Carbonatisation + Mod-str pervasive Carb, gradually increasing bleaching. Minor black Chl in fractures. Non-magnetic.							
267.30	268.15	CB+; SR Carbonatisation +; Séricitisation Mod-str pervasive bleaching, mod-str pervasive Carb (dolomite), wk-mod fibrous Ser in shear planes and fractures, locally very minor Fuchsite. Non-magnetic.							
252.50	268.15	PY01.5 Pyrite 1.5%							

Pyrite 1.5%

Traces to 1-3% Py small subhedral to anhedral grains in Carb veinlets, minor disseminated. 1-3% fine to med-size diss Py in a bleached section, locally fine-grained Py masses in fractures.

267.30 268.15 CS

62

Cisaillé(e) 62°

Sheared, bleached basalt with moderately-developed foliation at 60-65CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
268.15	281.65	I2D	268.15	269.00	0.00	V470754	0.2420	Au-ICP21	VO19111121
		Syénite 72°	269.00	270.00	0.00	V470755	0.0520	Au-ICP21	VO19111121
		Contacts nets: supérieur à 50 degrés, inférieur à 80 degrés. Syénite hétérogène	270.00	271.00	0.00	V470756	0.0740	Au-ICP21	VO19111121
			271.00	272.00	0.00	V470757	0.0990	Au-ICP21	VO19111121
		Syenite, medium-grained.	272.00	273.00	0.00	V470758	0.1370	Au-ICP21	VO19111121
		The rock is slightly bleached, pink-beige-grey on the flanks of the interval and medium red-mauve-grey in the central portion.	273.00	274.00	0.00	V470759	0.2880	Au-ICP21	VO19111121
		The upper half of the unit is non-magnetic, the lower is patchy magnetic (non-magn to str).	274.00	275.00	0.00	V470760	0.5860	Au-ICP21	VO19111121
		Patchy to pervasive Hem, patchy Carb (dolomite, calcite).	275.00	276.00	0.00	V470761	1.3350	Au-ICP21	VO19111121
		Moderate irregular fracturing, locally minor crackle brecciation. Carb/Cal, specular Hem in fractures.	276.00	277.00	0.00	V470762	1.8100	Au-ICP21	VO19111121
		Mineralization: traces to 1-2% Py fine-grained masses in fractures and Carb veinlets, minor disseminated.	277.00	278.00	0.00	V470763	0.7110	Au-ICP21	VO19111121
			278.00	279.00	0.00	V470764	0.8640	Au-ICP21	VO19111121
			279.00	280.00	0.00	V470765	2.6700	Au-ICP21	VO19111121
			280.00	281.00	0.00	V470766	1.3250	Au-ICP21	VO19111121
			281.00	281.65	0.00	V470767	0.4710	Au-ICP21	VO19111121
		The lower contact is distinct, irregular, at ~65CA.							
268.15	281.65	HM+; CB; MG-							
		Hématisation +; Carbonatisation; Magnétite -							
		Moderate patchy to pervasive Hem, wk-mod patchy Carb (dolomite, calcite).							
		Cal, Carb, specular Hem in fractures.							
		Locally minor fibrous Ser.							
		Patchy magnetism.							
268.15	268.80	PY03							
		Pyrite 3%							
		MINERALIZED ZONE							
		1-3% Py fine-grained stringers, small diss grains.							
268.80	275.15	PY00.25							
		Pyrite 0.25%							
		Traces to 0.5% fine Py in some Hem patches.							

275.15 281.65 PY01.5
Pyrite 1.5%
 MINERALIZED ZONE
 0.5-2% Py fine diss grains and fine-grained aggregates in fractures.

268.15 281.65 FA
Fracturé(e)
 Moderate iirregular microfracturing, locally minor crackle brecciation.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
281.65	351.35	V3B	281.65	282.35	0.00	V470768	0.0390	Au-ICP21	VO19111121
		Basalte 65°	282.35	283.00	0.00	V470770	0.0110	Au-ICP21	VO19111121
		Basalt, fine-grained to medium-grained with a gabbroic appearance (ophitic texture with Plg laths).	283.00	284.00	0.00	V470771	0.0100	Au-ICP21	VO19111121
		The upper portion (281.65-284 m) is strongly carbonatized and mineralized by 2-5% Py,	284.00	285.00	0.00	V470772	0.0080	Au-ICP21	VO19111121
		From 284 m, basalt is medium to dark greenish grey with speckled and patchy epidote alteration. Locally weak patchy Hem alteration.	285.00	286.00	0.00	V470773	0.0040	Au-ICP21	VO19111121
		Mod-str magnetic, in parts non-magn.	286.00	287.00	0.00	V470774	0.0080	Au-ICP21	VO19111121
		Veins: 1-3% Cal and Cal-Ep mm veinlets, occasional fine to coarse-grained Cal-dominant veins (cm to 1-2 dm in length).	287.00	288.00	0.00	V470775	0.0080	Au-ICP21	VO19111121
		Mineralization: traces to 1-3% Py fine to med-size grains diss and aggregates in some fractures, veins and Cal-Ep patches. Locally 3-5% Py.	288.00	289.00	0.00	V470776	0.0130	Au-ICP21	VO19111121
		A distinct lower contact at 40CA.	289.00	290.00	0.00	V470777	0.0250	Au-ICP21	VO19111121
			290.00	291.00	0.00	V470778	0.0110	Au-ICP21	VO19111121
			291.00	292.00	0.00	V470779	0.0110	Au-ICP21	VO19111121
			292.00	293.00	0.00	V470780	0.0200	Au-ICP21	VO19111121
			293.00	294.00	0.00	V470781	0.0170	Au-ICP21	VO19111121
			294.00	295.00	0.00	V470782	0.0380	Au-ICP21	VO19111121
			295.00	296.00	0.00	V470783	0.1810	Au-ICP21	VO19111121
			296.00	297.00	0.00	V470785	0.0230	Au-ICP21	VO19111121
281.65	283.90	CB+; CL	297.00	298.00	0.00	V470786	0.1960	Au-ICP21	VO19111121
		Carbonatisation +; Chloritisation	298.00	299.00	0.00	V470787	0.0090	Au-ICP21	VO19111121
		Mod-str patchy Carb, mod pervasive Chl.	299.00	300.00	0.00	V470788	0.0160	Au-ICP21	VO19111121
		Minor disseminated leucoxene.	300.00	301.00	0.00	V470789	0.0620	Au-ICP21	VO19111121
		Mod-str magnetism.	301.00	302.00	0.00	V470790	0.0160	Au-ICP21	VO19111121
283.90	290.35	CL+; CB; EP; MG; HM--	302.00	303.00	0.00	V470791	0.0150	Au-ICP21	VO19111121
		Chloritisation +; Carbonatisation; Épidotisation; Magnétite; Hémathisior	303.00	304.00	0.00	V470792	0.2390	Au-ICP21	VO19111121
		Mod-str pervasive Chl, Carb (calcite), patchy Ep.	304.00	305.00	0.00	V470793	0.0080	Au-ICP21	VO19111121
		Mod-str magnetism, locally non-magn.	305.00	306.00	0.00	V470794	0.0180	Au-ICP21	VO19111121
		Localized weak patchy Hem alteration.	306.00	307.00	0.00	V470795	0.0160	Au-ICP21	VO19111121
			307.00	308.00	0.00	V470796	0.0200	Au-ICP21	VO19111121
			308.00	309.00	0.00	V470797	0.0230	Au-ICP21	VO19111121
			309.00	310.00	0.00	V470798	0.0150	Au-ICP21	VO19111121

290.35	296.10	CB+; CL; MG; Si--; HM-	310.00	311.00	0.00	V470799	0.0280	Au-ICP21	VO19111121
		Carbonatisation +; Chloritisation; Magnétite; Silicification --; Hématisatio	311.00	312.00	0.00	V470801	0.0070	Au-ICP21	VO19111121
		Mod-str patchy Carb, mod pervasive Chl. Locally weak patchy Sil and Hem.	312.00	313.00	0.00	V470802	0.0460	Au-ICP21	VO19111121
		Patchy magnetism (non-magn to str magn).	313.00	314.00	0.00	V470803	0.0090	Au-ICP21	VO19111121
296.10	346.70	CL+; CB; EP; MG+; HM--	314.00	315.00	0.00	V470804	0.0110	Au-ICP21	VO19111121
		Chloritisation +; Carbonatisation; Épidotisation; Magnétite +; Hématisati	315.00	316.00	0.00	V470805	0.0210	Au-ICP21	VO19111121
		Mod-str pervasive Chl, Carb (calcite), mod patchy Ep.	316.00	317.00	0.00	V470806	0.0100	Au-ICP21	VO19111121
		Mod-str magnetism, locally non-magn. In places Mgt stringers, diss grains.	317.00	318.00	0.00	V470807	0.0150	Au-ICP21	VO19111121
		Locally weak patchy Hem alteration, pink staining on rims of Qz-Cal	318.00	319.00	0.00	V470809	0.0410	Au-ICP21	VO19111121
		veinlets.	319.00	320.00	0.00	V470810	0.0430	Au-ICP21	VO19111121
		Locally minor leucoxene.	320.00	321.00	0.00	V470811	0.0240	Au-ICP21	VO19111121
346.70	349.15	CB+; CL+	321.00	322.00	0.00	V470812	0.1040	Au-ICP21	VO19111121
		Carbonatisation +; Chloritisation +	322.00	323.00	0.00	V470813	0.0210	Au-ICP21	VO19111121
		Mod-str pervasive Chl, Carb (calcite). No epidote. Non-magnetic. Fine	323.00	324.00	0.00	V470814	0.0190	Au-ICP21	VO19111121
		disseminated leucoxene.	324.00	325.00	0.00	V470815	0.0170	Au-ICP21	VO19111121
349.15	351.35	CL+; EP; CB; MG	325.00	326.00	0.00	V470816	0.0260	Au-ICP21	VO19111121
		Chloritisation +; Épidotisation; Carbonatisation; Magnétite	326.00	327.00	0.00	V470817	0.0370	Au-ICP21	VO19111121
		Mod-str pervasive Chl, patchy Ep, patchy Carb (calcite). mod magnetic.	327.00	328.00	0.00	V470818	0.0370	Au-ICP21	VO19111121
		Near the contact with a syenite dyke at 351.00-351.35 m - str calcite, no	328.00	329.00	0.00	V470819	0.0090	Au-ICP21	VO19111121
		epidote, mod magnetic.	329.00	330.00	0.00	V470820	0.0240	Au-ICP21	VO19111121
281.65	283.40	PY03	330.00	331.00	0.00	V470821	0.0160	Au-ICP21	VO19111121
		Pyrite 3%	331.00	332.00	0.00	V470822	0.0150	Au-ICP21	VO19111121
		MINERALIZED ZONE	332.00	333.00	0.00	V470823	0.0250	Au-ICP21	VO19111121
		1 to 5% Py small subhedral grains, disseminated and in Carb veinlets;	333.00	334.00	0.00	V470824	0.0230	Au-ICP21	VO19111121
		locally up to 10%.	334.00	335.00	0.00	V470826	0.0880	Au-ICP21	VO19111121
283.40	287.35	PY01.5	335.00	336.00	0.00	V470827	0.0250	Au-ICP21	VO19111121
		Pyrite 1.5%	336.00	337.00	0.00	V470828	0.0090	Au-ICP21	VO19111121
		Traces to 1-2% Py fine to med grains, disseminated and fine to med-	337.00	338.00	0.00	V470829	0.0550	Au-ICP21	VO19111121
		grained aggregates in Cal-Ep patches and veinlets,	338.00	339.00	0.00	V470830	0.0140	Au-ICP21	VO19111121
287.35	287.90	PY02; CPtr	339.00	340.00	0.00	V470831	0.0210	Au-ICP21	VO19111121
		Pyrite 2%; Chalcopyrite tr	340.00	341.00	0.00	V470832	0.0060	Au-ICP21	VO19111121
		1-3% Py disseminated fine and med-size grains, a few coarse cubic grains;	341.00	342.00	0.00	V470833	0.4210	Au-ICP21	VO19111121
		fine and med-grained aggregates in basalt with patchy Hem-Cal-Chl	342.00	343.00	0.00	V470834	0.0070	Au-ICP21	VO19111121
		alteration and Cal and Qz-Cal veinlets. Traces Cpy in Qz-Cal vein.	343.00	344.00	0.00	V470835	0.0060	Au-ICP21	VO19111121
287.90	290.35	PY01	344.00	345.00	0.00	V470836	0.0090	Au-ICP21	VO19111121
		Pyrite 1%	345.00	346.00	0.00	V470837	0.0140	Au-ICP21	VO19111121
		Traces to 1-2% Py small grains in some veinlets, disseminated in Cal-Ep	346.00	347.00	0.00	V470838	0.0720	Au-ICP21	VO19111121
		patches.	347.00	348.00	0.00	V470839	0.0850	Au-ICP21	VO19111121

290.35	296.10	PY02	348.00	349.00	0.00	V470841	0.0210	Au-ICP21	VO19111121
		Pyrite 2%	349.00	350.20	0.00	V470842	0.0600	Au-ICP21	VO19111121
		1-3% Py fine and med-size disseminated grains and aggregates in Cal	350.20	351.35	0.00	V470843	0.0770	Au-ICP21	VO19111121

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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351.35	355.50	I2D	351.35	352.40	0.00	V470844	0.0190	Au-ICP21	VO19111121
		Syénite 40°	352.40	353.50	0.00	V470845	0.0350	Au-ICP21	VO19111121
		Syenite dyke with distinct contacts at 40CA (upper) and 25CA (lower).	353.50	354.50	0.00	V470846	0.0100	Au-ICP21	VO19111121
			354.50	355.50	0.00	V470847	0.0050	Au-ICP21	VO19111121

Syenite is fine to medium-grained with completely altered ghostly phenocrysts (Plg?), massive, medium greyish mauve. Mod-str pervasive Hem-Cal alteration, wk-mod magnetism.
A stockwork of 5-7% white Cal mm veinlets in the upper half of the unit. A few occasional Cal veinlets in the lower half.
Mineralization: 0.5-1% fine Py diss grains, in some Cal veinlets.

351.35	355.50	HM+; CB+; MG
		Hématisation +; Carbonatisation +; Magnétite
		Mod-str pervasive Hem and Cal; wk-mod magnetism.

351.35	355.50	PY00.75
		Pyrite 0.75%
		0.5-1% fine Py diss grains, in some Cal veinlets.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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355.50	357.00	V3B	355.50	356.30	0.00	V470848	0.0200	Au-ICP21	VO19111121
		Basalte 25°	356.30	357.00	0.00	V470849	0.0210	Au-ICP21	VO19111121

Basalt with a gabbroic appearance, same as at 281.65-351.35 m.
Speckled Ep alteration (after Plg laths).
Mineralization: traces to 0.5-1% Py fine-grained aggregates in some fractures and Cal-Ep veinlets; on the contact with a syenite dyke.

EOH

355.50	357.00	CL+; EP; CB; MG
		Chloritisation +; Épidotisation; Carbonatisation; Magnétite
		Mod-str pervasive Chl, patchy Ep, patchy Carb (calcite), mod-str magnetic.

355.50	357.00	PY00.5
		Pyrite 0.5%

Pyrite 0.5%

Traces to 0.5-1% Py fine-grained aggregates in some fractures and Cal-Ep veinlets; on the contact with a syenite dyke.

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	1.80	-51.30	Collar	51.00	1.70	-50.69	Reflex EZ-Gyro	81.00	3.45	-50.42	Reflex EZ-Gyro
111.00	4.31	-50.42	Reflex EZ-Gyro	138.00	6.36	-50.63	Reflex EZ-Gyro	156.00	7.10	-50.17	Reflex EZ-Gyro
171.00	7.37	-50.06	Reflex EZ-Gyro	201.00	8.80	-49.91	Reflex EZ-Gyro	231.00	12.47	-50.27	Reflex EZ-Gyro
231.01	12.47	-50.27	Reflex EZ-Gyro	264.00	11.30	-50.11	Reflex EZ-Gyro	294.00	10.80	-49.89	Reflex EZ-Gyro

Drillhole Information

Easting: 706659.00
Northing: 5490415.00
Elevation: 293.00
Azimuth 352.20
Dip -46.40

Drilling Information

DrillCo: Pikogan
DrillID: PK3
DrillStart: 13-Apr-19
DrillEnd: 24-Apr-19
Length (m): 651.00

Logging Information

LogBy: M. Sokolov (OGQ #1491)
LogStart: 14-Apr-19
LogEnd: 24-Apr-19

Drillhole Summary

Drillhole DO-19-264 is situated in the Porphyry Zone with the collar location at 706658mE / 5490418mN, UTM coordinates, NAD83 Zone 17. It was drilled at an azimuth of 351.7° and inclination of minus 46.5° to a total length of 651 m.

The main objective:

The drillhole was designed to test the downdip of the hole DO-18-216 located 122 m NW and which intercepted 2.29 g.t over 158.2 m (334.8-493 m) including 7.64 m over 44.5 m (448.5-493 m).

Hole Results:

After passing through 11.6 meters of overburden, the drillhole intersected:

- 1)a 175.4-meter long mix zone composed of alternating intervals of basalt and fine to coarse-grained syenite (from 11.6 to 187.0 m);
- 2)a 416.15-meter long interval of coarse-grained, variably altered and deformed syenite (from 187.0 to 593.15 m); and
- 3)a 57.85-meter long zone of alternating basalt and fine to medium-grained syenite (from 593.15 to 561 m).

11.6-187.0 m

A mix zone of alternating intervals of massive basalt with syenite injections and intervals of syenite with variable amounts of digested mafic material. Varying in length from 2 to 25 meters, both lithologies are present in approximately equal amounts.

Basalt is typically massive, fine to medium-grained, with localized remnants of ophitic textures. It is dark to medium greenish grey in the least altered parts, often magnetic and usually crosscut by stockworks of white calcite millimetric veinlets. Basalt is often pierced by syenite injections of mm to several dm scale and variably altered by patchy to pervasive hematite and carbonate, resulting in a mottled appearance with red, pink, mauve, and beige coloration. Common fine disseminated leucoxene alteration, locally patchy epidotization.

Syenite is medium to coarse-grained, equigranular, locally fine-grained. It is composed of roughly equal amounts of plagioclase and K-feldspar and is characterized by pervasive to patchy hematite and carbonate alteration and localized albitization. Parts contaminated by basalt appear weakly magnetic, patchy chloritized and contain specular hematite in fractures and interstices.

This mix zone is moderately to strongly fractured, locally brecciated, with localized small shear zones. Two distinct sets of fractures were noted: at 50-60 and at 5-20 degrees to the core axis. The latter set is likely younger and may be attributed to the late northern faults.

This mix zone is mineralized by irregularly distributed pyrite typically ranging from traces to 0.5-2%. Several notable intervals with elevated pyrite content were observed at:

33.0-35.1m – 2-7% fine-grained pyrite aggregates, often with very fine-grained magnetite within sheared, strongly bleached basalt with 5-25% syenite injections.
37.0-41.2m – 1-2% to 5-7% pyrite fine disseminated grains and fine-grained aggregates within strongly fractured, hematite-altered basalt with 25-35% syenite injections.
47.0-62.45m – 0.5 to 2-3% fine to med-size disseminated pyrite grains and fine-grained aggregates in fractures within basalt with 25% syenite injections. The middle portion of this interval (49.5-56.35m) is mineralized by 2 to 5-7% fine aggregates, often with fine-grained magnetite.
90.0-91.95m – 1 to 5% fine and med-grained pyrite aggregates and grains in fractures and disseminated within a mixed syenite-basalt interval.
123.7-125.3m – 3 to 10% pyrite aggregates associated with fine-grained magnetite within basalt with 10-15% syenite injections.
177.2-178.0m – 1-3% fine disseminated pyrite in sheared and brecciated basalt with 25-50% syenite injections.
181.0-183.0m – 0.5-3% fine disseminated pyrite in sheared and brecciated basalt with 25-50% syenite injections.

187.0-593.15 m

This interval is dominated by coarse-grained, equigranular syenite, locally medium-grained, moderately to strongly deformed, fractured, brecciated, and locally sheared. There are frequent cm-dm zones of microbrecciated syenite cemented by carbonate/Fe-carbonate with variable amounts of grey (specular) hematite. Locally dissolution cavities along fractures. The rock was subjected to substantial metasomatism resulting in hematite, carbonate, albite, and sericite alteration assemblages, with localized intervals of silica flooding. Due to extensive albitization, it is difficult to say whether this unit is composed only by syenite or there are also monzonitic or monzodioritic varieties. The rock is non-magnetic, with specular hematite in fractures and as disseminated grains, which are likely pseudomorphs after other accessory minerals. Fluorite occurs in fractures in the lower portion of the interval (from 393 to 593.15 m).

One to 3% of white to pink albite-quartz-carbonate millimetric veinlets occur throughout the interval. They are commonly parallel to subparallel, oriented at 50 to 70 degrees to the core axis.

Syenite hosts several intervals of dacite (felsite), 1-5 m long, characterized by microphyric textures with small feldspar phenocrysts, pervasive carbonatization and sericitization. The contacts are typically distinct, with millimetric chill margins often marked by fibrous sericite. Mostly non-mineralized.

The upper portion of syenite is less mineralized than the lower.

From 187 to 468 m, there is mainly traces to 0.5-1% pyrite with an exception of several notable zones mineralized by 2 to 7% pyrite.

Pyrite occurs as fine to medium-size disseminated cubic grains and aggregates in fractures and microbrecciated zones.

From 468 to 588 m, the pyrite content increases. There are more frequent intervals mineralized by 2 to 7% pyrite. Grain size varies from fine to coarse. Coarser cubic grains often have etched and corroded rims and seem to be replaced by finer-grained pyrite aggregates.

At 586.5-593.15m – a deformation zone in syenite characterized by strong fracturing, brecciation and intense pervasive hematitization. The primary textures are completely obliterated. Pyrite remains as fine disseminated grains and fine-grained aggregates in fractures until 588 m, then its content rapidly decreases to traces. At 589.5 m - a 2.5 cm wide fault zone at 75-80CA.

The contact with the lower unit is rather distinct.

593.15-610.2 m

Intensely sheared interval, well-foliated at 60-65 degrees to the core axis. It is composed of 50% basalt and 50% syenite injections with the primary textures being entirely destroyed.

Strong patchy hematite, carbonate, albite alteration assemblages with lesser sericite and locally chlorite; locally weak magnetism.

The shear zone is mineralized by irregularly distributed fine-grained pyrite aggregates ranging from traces to 5% (overall 1-3%)

610.2-651.0 m

Basalt, massive to sheared, with a swarm of fine to medium-grained, hematite-altered syenite dykes.

Sheared basalt intervals are carbonatized, sericitized and mineralized by 1-2% to 5-7% fine-grained pyrite.

Interpretation and Recommendations:

Having intersected the mineralized zones in the upper portion as planned, this drillhole deviated more than expected from its intended path and, as a result, did not test the downdip of the hole DO-18-216. It went through a wide mineralized zone in syenite and sheared basalt at depth and brings new information about the area that lies approximately 75 m from DO-18-216.

The deviation patterns of both azimuth and dip are similar to those observed in drillholes DO-18-216 and 1130-93-04A, resulting in over 20 degrees off in both azimuth and dip over 600-700 m. This should be taken into consideration when planning future drillholes in this area.

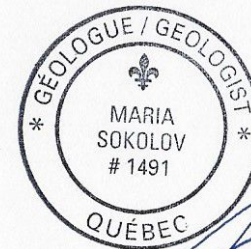
To test the missed target at depth, it might be useful to use wedging and controlled drilling from approximately 300 m down using the drillhole DO-19-264.

Logged by M.Sokolov (0-610 m) and by A.Peshkepia (610-651 m).

Results:

12.3 - 16 m: 0.451 ppm Au/3.7 m	149.5 - 150.65 m: 0.32 ppm Au/1.15 m
246 - 250 m: 0.438 ppm Au/4 m	257 - 258 m: 0.32 ppm Au/1 m
292 - 293 m: 0.411 ppm Au/1 m	301 - 302 m: 0.312 ppm Au/1 m
305 - 307 m: 0.45 ppm Au/2 m	319 - 320 m: 0.308 ppm Au/1 m
327 - 331 m: 0.263 ppm Au/4 m	336 - 337 m: 0.345 ppm Au/1 m
383 - 388 m: 0.262 ppm Au/5 m	404 - 409 m: 0.282 ppm Au/5 m
421 - 424 m: 0.429 ppm Au/3 m	435 - 449 m: 0.356 ppm Au/14 m
461 - 476 m: 0.276 ppm Au/15 m	482 - 553 m: 0.517 ppm Au/71 m
556 - 557 m: 0.281 ppm Au/1 m	566 - 572 m: 0.353 ppm Au/6 m
582 - 589 m: 0.73 ppm Au/7 m	639 - 640 m: 0.253 ppm Au/1 m

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19



M. Sokolov (OGQ #1491)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	11.60	M-T Mort terrain Overburden; casing down to 12 m.							
11.60	33.00	I2D (V3B) Syénite avec 5 à 25% de basalte Syenite with a highly heterogeneous appearance, strongly fractured and altered. Alternating medium to coarse-grained, medium pink intervals with still recognizable Plg phenocrysts and fine-grained, mauve to dark mauve-grey intervals, which are most likely altered basalt. Syenite phases predominate. Frequent rusty limonitized patches, dm to meter, overprinting everything. Strong pervasive hematitization throughout the unit, weak to moderate Carb (Dol, Cal) in fractures and patchy in matrix; wk-mod patchy silicification and localized albitization. Minor specular Hem in fractures and interstices. Overall, the rock is non-magnetic except a few magnetic spots. The interval is strongly fractured, locally brecciated, with localized small shear zones. Fractures are often oriented at 45 to 60CA; multiple generations. Older fractures are cut by microslips with mm displacements At 20.3-21.2 m - a fault zone, strongly limonitized, weathered, with numerous dissolution cavities. Mineralization: traces Py. The lower contact is not distinct, sheared at 45CA.	11.60	12.30	0.00	V471076	0.0540	Au-ICP21	VO19115646
			12.30	13.00	0.00	V471077	0.1860	Au-ICP21	VO19115646
			13.00	14.00	0.00	V471078	0.4860	Au-ICP21	VO19115646
			14.00	15.00	0.00	V471079	0.7520	Au-ICP21	VO19115646
			15.00	16.00	0.00	V471080	0.3010	Au-ICP21	VO19115646
			16.00	17.00	0.00	V471081	0.0920	Au-ICP21	VO19115646
			17.00	18.00	0.00	V471082	0.0500	Au-ICP21	VO19115646
			18.00	19.00	0.00	V471083	0.0570	Au-ICP21	VO19115646
			19.00	20.00	0.00	V471084	0.0520	Au-ICP21	VO19115646
			20.00	21.00	0.00	V471085	0.0460	Au-ICP21	VO19115646
			21.00	22.00	0.00	V471086	0.0320	Au-ICP21	VO19115646
			22.00	23.00	0.00	V471087	0.0650	Au-ICP21	VO19115653
			23.00	24.00	0.00	V471089	0.0310	Au-ICP21	VO19115653
			24.00	25.00	0.00	V471090	0.0340	Au-ICP21	VO19115653
			25.00	26.00	0.00	V471091	0.0980	Au-ICP21	VO19115653
			26.00	27.00	0.00	V471092	0.1630	Au-ICP21	VO19115653
			27.00	28.00	0.00	V471093	0.0240	Au-ICP21	VO19115653
			28.00	29.00	0.00	V471094	0.0400	Au-ICP21	VO19115653
			29.00	30.00	0.00	V471095	0.0180	Au-ICP21	VO19115653
			30.00	31.00	0.00	V471096	0.0260	Au-ICP21	VO19115653
			31.00	32.00	0.00	V471097	0.0100	Au-ICP21	VO19115653
11.60	20.30	HM+; Si; CB; LM; SR- Hématisation +; Silicification; Carbonatisation; Limonitisation; Séricitisation Mod-str pervasive Hem, wk-mod patchy Sil and Carb (dolomite), minor Ser in fractures. Minor interstitial specular Hem. Frequent limonitized patches.	32.00	33.00	0.00	V471098	0.0060	Au-ICP21	VO19115653

20.30	21.70	LM++ Limonitisation ++ Intense limonitization.
21.70	33.00	HM+; Si; CB; AB-; LM Hématisation +; Silicification; Carbonatisation; Albitisation -; Limonitisation Mod-str pervasive Hem, wk-mod patchy Sil and Carb (dolomite), minor Ser in fractures. Locally patchy albitization. Minor interstitial specular Hem. Frequent limonitized patches.
11.60	28.00	PYtr Pyrite tr Traces Py small cubic grains in syenite parts.
11.60	20.30	FA Fracturé(e) Mod-str fracturing, irregular and planar, small shear zones.
20.30	21.20	FA Fracturé(e) 45° A fault zone, strongly limonitized microbreccia (still competent) with numerous dissolution cavities; in parts completely weathered and very light in weight. The upper contact is at 45CA.
21.20	33.00	FA; BX-; CS- Fracturé(e); Bréchique-; Cisailé(e)- Mod-str fracturing, locally brecciation (crackle), localized small shear zones. In some parts the rock looks pseudobrecciated due to replacement textures. Fractures are often oriented at 45 to 60CA; multiple generations. Older fractures are cut by micro

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
33.00	35.10	V3B (I2D) Basalte avec 5 à 25% de syénite 45° Strongly bleached basalt with Syenite injections.	33.00	34.00	0.00	V471099	0.0250	Au-ICP21	VO19115653
		Basalt is fine-grained, locally contains small round inclusions, most likely amygdules. The unit is medium beige-grey, pervasively carbonatized (ferroan Cal to ferroan Dol), with minor patchy beige-pink Hem+/-Ser alteration. Carb and minor fibrous Ser in fractures. Variably magnetic. Locally limonite on fracture surfaces. The interval is sheared with wk-mod developed foliation at 45CA.	34.00	35.10	0.00	V471100	0.0280	Au-ICP21	VO19115653
		Mineralization: 2-7% Py fine-grained aggregates, often with very fine-grained							

Mgt.

The lower contact is rather distinct, dented, at ~30CA.

- 33.00 35.10 CB+; HM-; SR-; MG+; LM-
Carbonatisation +; Hématisation -; Séricitisation -; Magnétite +; Limonitis
Strong pervasive Carb (ferroan Cal to ferroan Dol, becomes purple-mauve when tested with potassium ferricyanide), minor patchy beige-pink Hem+/-Ser alteration. Carb and minor fibrous Ser in fractures. Mod-str magnetic. Locally rusty limonite on fracture surfaces.
- 33.00 35.10 PY05
Pyrite 5%
MINERALIZED ZONE
2-7% Py fine-grained aggregates, often with very fine-grained Mgt.
- 33.00 35.10 CS 45
Cisaillé(e) 45°
Mod-str shearing with wk-mod developed foliation at 45CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
35.10	37.00	I2D Syénite 30° Syenite, coarse-grained to porphyritic, medium mauve-pink, composed of distinct anhedral to subhedral, colorless to white Plg crystals enclosed by finer-grained, pervasively hematitized groundmass with minor interstitial Chl and Carb alteration. The rock is rather uniform, weakly fractured, non-magnetic. Locally limonite on fracture surfaces. Mineralization: traces Py. The lower contact is distinct, dented, at ~ 50CA.	35.10	36.00	0.00	V471101	0.0005	Au-ICP21	VO19115653
			36.00	37.00	0.00	V471102	0.0005	Au-ICP21	VO19115653
35.10	37.00	HM+; CB-; CL-; LM- Hématisation +; Carbonatisation -; Chloritisation -; Limonitisation - Mod-str pervasive Hem, minor interstitial Carb and Chl; non-magnetic. Locally rusty limonite on fracture surfaces.							
35.10	37.00	PYtr Pyrite tr Traces Py.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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37.00 41.20 V3B I2D
Basalte avec 25 à 50% de syénite 50°
 Basalt with 25-35% Syenite injections on mm to dm scale.
 The rock is dark grey-mauve, fine to med-grained, with <1% distinct round inclusions (amygdules). Mod-str patchy to pervasively Hem and Carb altered, wk to str magnetic, mod-str fractured. Fractures are dominantly filled by Carb and minor Chl and Hem. Locally rusty limonite on fracture surfaces. Fractures are often oriented at 45-50CA.

37.00	38.00	0.00	V471103	0.0430	Au-ICP21	VO19115653
38.00	39.00	0.00	V471105	0.0190	Au-ICP21	VO19115653
39.00	40.00	0.00	V471106	0.0070	Au-ICP21	VO19115653
40.00	40.60	0.00	V471107	0.0130	Au-ICP21	VO19115653
40.60	41.20	0.00	V471108	0.0190	Au-ICP21	VO19115653

Mineralization: 1-2% to 5-7% Py fine anhedral diss grains and fine-grained aggregates.

The lower contact is not obvious, altered, marked by changes in grain size.

37.00 41.20 HM+; CB+; CL-; MG; LM-
Hématisation +; Carbonatisation +; Chloritisation -; Magnétite; Limonitisa
 Mod-str pervasive Hem, Carb (calcite), wk to str magnetic. Cal and minor Chl and Hem in fractures.
 Locally rusty limonite on fracture surfaces.

37.00 41.20 PY04
Pyrite 4%
 MINERALIZED ZONE
 1-2% to 5-7% Py fine anhedral diss grains and fine-grained aggregates.

37.00 41.20 FA+
Fracturé(e)+
 Mod-str fracturing with Cal infilling. Fractures are often oriented at 45-50CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
41.20	49.50	I2D Syénite Syenite, coarse to medium-grained, rather uniform, medium mauve-pink to salmon pink, composed of white to greyish to colorless Plg in pervasively hematitized, finer-grained matrix. Interstitial and fracture-filling Carb, minor interstitial green Chl or Amph. Non-magnetic, wk to mod fractured. Fractures are often oriented at 40-45CA, often filled by specular Hem and Carb. Often rusty limonite and dissolution cavities along fractures. Mineralization: traces to 0.5% Py diss cubic grains in the upper portion of the unit; from ~47 m - 0.5 to 2-3% Py fine to med-size cubic grains and fine-	41.20	42.00	0.00	V471109	0.0020	Au-ICP21	VO19115653
			42.00	43.00	0.00	V471110	0.0020	Au-ICP21	VO19115653
			43.00	44.00	0.00	V471111	0.0040	Au-ICP21	VO19115653
			44.00	45.00	0.00	V471112	0.0260	Au-ICP21	VO19115653
			45.00	46.00	0.00	V471113	0.0110	Au-ICP21	VO19115653
			46.00	47.00	0.00	V471114	0.0310	Au-ICP21	VO19115653
			47.00	48.00	0.00	V471115	0.0350	Au-ICP21	VO19115653
			48.00	48.60	0.00	V471116	0.0400	Au-ICP21	VO19115653
			48.60	49.20	0.00	V471117	0.0190	Au-ICP21	VO19115653

grained aggregates in fractures within salmon-pink syenite.

The lower contact is distinct, sharp, at 40CA, rusty. Basalt is bleached on the contact with syenite.

41.20	49.50	HM+; CB-; CL--; LM Hématisation +; Carbonatisation -; Chloritisation --; Limonitisation Mod-str pervasive Hem, specular Hem in fractures; Interstitial and fracture-filling Carb, minor interstitial green Chl or Amph. Non-magnetic. Frequent rusty limonite on fracture surfaces.
41.20	47.00	PY00.25 Pyrite 0.25% Traces to 0.5% Py diss cubic grains.
47.00	49.20	PY02 Pyrite 2% MINERALIZED ZONE 0.5 to 2-3% Py fine to med-size cubic grains and fine-grained aggregates in fractures within salmon-pink syenite.
43.35	43.37	FJ 42 Faille 42° A small fault zone at 40-45CA, highly bleached, microbrecciated, rusty.
45.00	49.20	FA-; Dissolution- 42 Fracturé(e)- 42°; Cavité de dissolution- Wk-mod fracturing with Carb and specular Hem infilling, often at 40-45CA; dissolution cavities and rusty limonite along some fractures.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
49.50	74.80	V3B (I2D) Basalte avec 5 à 25% de syénite 40° Basalt with 5-25% Syenite injections. Basalt is fine to medium-grained, medium greenish grey to brownish grey, locally bleached pink-beige to grey-beige, with variable patchy Chl, Hem and Carb alteration and minor localized patchy Ser, variably magnetic. It is mod to str fractured with hairline to mm fractures mainly filled by Carb (Cal, Dol) and lesser Qz. Fractures are often oriented at 40 and 60CA. Rusty limonite in some fractures. Locally minor diss Lx. Syenite injections, at mm to several dm-scale, are fine-grained to coarse-grained, probably polyphase, with distinct (often at 40-45CA) or fuzzy	49.20	50.00	0.00	V471118	0.0080	Au-ICP21	VO19115653
			50.00	51.00	0.00	V471119	0.0080	Au-ICP21	VO19115653
			51.00	52.00	0.00	V471120	0.0120	Au-ICP21	VO19115653
			52.00	53.00	0.00	V471122	0.0520	Au-ICP21	VO19115653
			53.00	54.00	0.00	V471123	0.0130	Au-ICP21	VO19115653
			54.00	55.00	0.00	V471124	0.0040	Au-ICP21	VO19115653
			55.00	56.00	0.00	V471125	0.0090	Au-ICP21	VO19115653
			56.00	57.00	0.00	V471126	0.0100	Au-ICP21	VO19115653
			57.00	58.00	0.00	V471127	0.0050	Au-ICP21	VO19115653
			58.00	59.00	0.00	V471128	0.0020	Au-ICP21	VO19115653
			59.00	60.00	0.00	V471129	0.0030	Au-ICP21	VO19115653

contacts. They are typically mauve-pink to beige-pink, strongly hematitized, patchy carbonatized, mostly non-magnetic.

Mineralization:

49.50-56.35 m – 2 to 5-7% Py (locally 10%) fine-grained irregular aggregates, often with fine-grained Mgt; in fractures, rims of syenite, fine diss subhedral grains.

56.35-62.45 m – 0.5 to 1-3% Py fine disseminated grains and fine-grained aggregates.

62.45-74.80 m – traces to 0.5-1% Py fine diss grains and fine-grained aggregates in fractures, rims of injections.

The lower contact is distinct, at 40CA.

57.40 58.00 I2D (V3B)

Syénite avec 5 à 25% de basalte

A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.

The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.

Traces Py on contacts, otherwise non-mineralized.

59.90 60.50 I2D

Syénite

A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.

The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.

Traces Py on contacts, otherwise non-mineralized.

60.00	61.00	0.00	V471130	0.0050	Au-ICP21	VO19115653
61.00	61.70	0.00	V471131	0.0040	Au-ICP21	VO19115653
61.70	62.45	0.00	V471132	0.0040	Au-ICP21	VO19115653
62.45	63.00	0.00	V471133	0.0010	Au-ICP21	VO19115653
63.00	64.00	0.00	V471134	0.0050	Au-ICP21	VO19115653
64.00	65.00	0.00	V471135	0.0820	Au-ICP21	VO19115653
65.00	66.00	0.00	V471137	0.0480	Au-ICP21	VO19115653
66.00	67.00	0.00	V471138	0.0080	Au-ICP21	VO19115653
67.00	68.00	0.00	V471139	0.0100	Au-ICP21	VO19115653
68.00	69.00	0.00	V471140	0.0090	Au-ICP21	VO19115653
69.00	70.00	0.00	V471141	0.0090	Au-ICP21	VO19115653
70.00	71.00	0.00	V471142	0.0070	Au-ICP21	VO19115653
71.00	72.00	0.00	V471143	0.0140	Au-ICP21	VO19115653
72.00	73.00	0.00	V471144	0.0070	Au-ICP21	VO19115653
73.00	74.00	0.00	V471145	0.0040	Au-ICP21	VO19115653
74.00	74.80	0.00	V471146	0.0030	Au-ICP21	VO19115653

- 64.35 64.80 I2D; GG
Syénite 45°; Grains grossiers
 A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.
 The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.
 Traces Py on contacts, otherwise non-mineralized.
- 49.50 62.80 HM; CB; CL; MG; LM-
Hématisation; Carbonatisation; Chloritisation; Magnétite; Limonitisation -
 Mod-str patchy to pervasive Chl, Hem and Carb alteration; variably magnetic, locally fine diss leucoxene. Carb (Cal, Dol) and minor Qz in fractures. Limonite in some fractures.
- 62.80 68.00 CB; HM; SR-; CL-; MG; LM--
Carbonatisation; Hématisation; Séricitisation -; Chloritisation -; Magnétite
 Mod-str patchy bleaching, mod-str patchy to pervasive Carb (Cal, Dol), wk-mod patchy Hem, minor specular Hem in syenite injections; minor patchy Chl in the least altered basalt. Variably magnetic (non-magn to mod magn). Locally minor diss leucoxene. Minor rusty limonite in fractures.
- 68.00 70.80 CL; CB; HM-; SR-; MG-; LM--
Chloritisation; Carbonatisation; Hématisation -; Séricitisation -; Magnétite
 Mod pervasive Chl and Carb, minor patchy Hem and Ser, non-magn to wk magn. Minor limonite in fractures.
- 70.80 74.80 CB; HM; CL; SR-; MG-; LM--
Carbonatisation; Hématisation; Chloritisation; Séricitisation -; Magnétite -
 Mod patchy bleaching, mod-str patchy to pervasive Carb, mod patchy Chl, Hem, minor patchy Ser; non-magn to wk magn. Locally minor diss Lx. Minor limonite in fractures.
- 49.50 56.35 PY03
Pyrite 3%
 MINERALIZED ZONE
 2 to 5-7% Py (locally 10%) fine-grained irregular aggregates, often with fine-grained Mgt; in fractures, rims of syenite, fine diss anhedral grains.
- 56.35 62.45 PY01
Pyrite 1%
 0.5 to 1-3% Py fine disseminated grains and fine-grained aggregates.

62.45	74.80	PY00.75 Pyrite 0.75% Traces to 0.5-1% Py fine diss grains and fine-grained aggregates in fractures, rims of injections.
49.50	62.45	FA Fracturé(e) Mod to str fracturing, often at 40 and 60CA.
63.35	63.80	FA+ 60 Fracturé(e)+ 60° Mod to str fracturing, mainly at 60CA, with hairline fractures filled by Carb.
63.80	74.80	FA 60 Fracturé(e) 60° Wk to mod fracturing, often at 40 and 60CA, with hairline fractures filled by Carb.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
74.80	78.35	I2D (V3B) Syénite avec 5 à 25% de basalte 40° Syenite with 5-15% Basalt, medium to coarse-grained, medium mauve-pink with dark grey-green patches. Pervasive to patchy mod Hem and Carb alteration, wk-mod patchy Chl (basalt fragments); non-magnetic. Mineralization: rare traces Py. The lower contact is distinct, sharp at 20CA.	74.80	75.80	0.00	V471147	0.0005	Au-ICP21	VO19115653
			75.80	76.80	0.00	V471148	0.0030	Au-ICP21	VO19115653
			76.80	77.80	0.00	V471149	0.0280	Au-ICP21	VO19115653
			77.80	78.35	0.00	V471150	0.0005	Au-ICP21	VO19115653
74.80	78.35	HM; CB; CL- Hématisation; Carbonatisation; Chloritisation - Mod-str patchy to pervasive Hem and Carb (calcite), minor patchy Chl/Amph alteration in basalt fragments and interstitial in syenite. Non-magnetic.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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78.35	89.10	V3B (I2D) Basalte avec 5 à 25% de syénite 20° Basalt with 15-25% Syenite injections on mm to dm scale.	78.35	79.00	0.00	V471151	0.0090	Au-ICP21	VO19115653
			79.00	80.00	0.00	V471153	0.0070	Au-ICP21	VO19115653
			80.00	81.00	0.00	V471154	0.0030	Au-ICP21	VO19115653
			81.00	82.00	0.00	V471155	0.0020	Au-ICP21	VO19115653
			82.00	83.00	0.00	V471156	0.0020	Au-ICP21	VO19115653
			83.00	84.00	0.00	V471157	0.0030	Au-ICP21	VO19115653
			84.00	85.00	0.00	V471158	0.0070	Au-ICP21	VO19115653
			85.00	86.00	0.00	V471159	0.0030	Au-ICP21	VO19115653
			86.00	87.00	0.00	V471160	0.0060	Au-ICP21	VO19115653
			87.00	88.00	0.00	V471161	0.0030	Au-ICP21	VO19115653
			88.00	89.10	0.00	V471162	0.0020	Au-ICP21	VO19115653

Basalt is fine-grained, massive to medium-grained with ophitic textures, medium greenish grey to mauve-grey, pervasively to patchy chloritized and carbonatized, with variable patchy Hem alteration, variably magnetic. Small Plg laths forming ophitic textures are slightly epidotized/saussuritized. The rock is mod to str fractured with hairline to mm fractures filled by Carb (Cal) with green (Chl) and reddish (Hem) alteration halos. Low-angle fractures (0-15CA) are crosscut by other fractures (35-60CA) with mm offsets.

Mineralization: .traces to 0.5% fine Py diss, in fractures, locally 1-2% Py fine-grained aggregates.

The lower contact is not obvious, obliterated by alteration. A low-angle (0-10CA) Qz-Cal vein with angular fragments of syenite may mark the contact.

78.35	89.10	CL; CB; HM; MG- Chloritisation; Carbonatisation; Hématisation; Magnétite - Mod-str pervasive to patchy Chl and Carb (Cal), wk-mod patchy Hem, weak Ep/saussuritization of Plg laths. Variably magnetic (non-magn to wk-mod magn).
78.35	79.50	PY01.5 Pyrite 1.5% 0.5 to 1-2% Py fine disseminated grains and fine- to medium-grained aggregates.
79.50	89.10	PY00.5 Pyrite 0.5% Traces to 0.5% fine Py diss, in fractures, locally 1-2% Py fine-grained aggregates.
78.35	89.10	FA+ Fracturé(e)+ Mod-str fracturing, at 0-15CA and 40-60CA. Low-angle fractures are crosscut by other fractures with mm displacements. Hairline to mm fractures are mainly filled by Cal.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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89.10	91.05	I2D (V3B) Syénite avec 5 à 25% de basalte Syenite with 25-35% Basalt, medium-grained, medium mauve with dark green-grey patches. Mod-str pervasive to patchy Hem and Carb (calcite), wk-mod patchy Chl, variably magnetic. Mod fracturing in syenite and strong in basalt with hairline to mm fractures filled by Cal. Mineralization: traces to 0.5% Py in the upper portion, 1-3% Py fine to med grains and aggregates in the lower portion. The lower contact is not distinct, sheared at 30CA.	89.10	90.05	0.00	V471163	0.0020	Au-ICP21	VO19115653
			90.05	91.05	0.00	V471164	0.0070	Au-ICP21	VO19115653
89.10	91.05	HM+; CB; CL; MG- Hématisation +; Carbonatisation; Chloritisation; Magnétite - Mod-str pervasive to patchy Hem and Carb (calcite), wk-mod patchy and interstitial Chl; variably magnetic.							
89.10	90.00	PY00.5 Pyrite 0.5% Traces to 0.5% Py fine and med-size subhedral grains.							
90.00	91.95	PY02.5 Pyrite 2.5% MINERALIZED ZONE 1 to 5% Py fine and med-grained aggregates and subhedral to euhedral grains in fractures and disseminated.							
89.10	91.00	FA Fracturé(e) Wk-mod fracturing in syenite and mod-str in basalt.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
91.05	96.00	V3B (I2D) Basalte avec 5 à 25% de syénite Basalt with 15-25% Syenite injections on mm-dm scale. Basalt is fine-grained with localized ophitic textures, medium greenish grey to mauve-grey, pervasively to patchy chloritized and carbonated, with variable patchy Hem alteration, variably magnetic. Plg laths forming ophitic texture are slightly epidotized/saussuritized. Locally minor diss Lx. The rock is mod-str fractured with hairline to mm fractures mainly filled by Carb. Frequent beige-pink alteration halos around fractures. Mineralization: 0.5-2% Py fine to med-grained aggregates and disseminated	91.05	92.00	0.00	V471165	0.0030	Au-ICP21	VO19115653
			92.00	93.00	0.00	V471166	0.0040	Au-ICP21	VO19115653
			93.00	94.00	0.00	V471167	0.0030	Au-ICP21	VO19115653
			94.00	95.00	0.00	V471168	0.0040	Au-ICP21	VO19115653
			95.00	96.00	0.00	V471170	0.0050	Au-ICP21	VO19115653

fine grains in alteration halos around fractures.

The lower contact is somewhat distinct, sheared at 45CA.

91.05	96.00	CL; CB; HM; MG- Chloritisation; Carbonatisation; Hématisation; Magnétite - Mod-str pervasive to patchy Chl and Carb (Cal), wk-mod patchy Hem, weak Ep/saussuritization of Plg laths. Variably magnetic (non-magn to wk-mod magn).
91.95	96.00	PY01.5 Pyrite 1.5% 0.5-2% Py fine to med-grained aggregates and fine grains disseminated in alteration halos around fractures.
91.00	91.95	FA+; CS 30 Fracturé(e)+; Cisailé(e) 30° Mod-str fracturing and shearing at 15-30CA.
91.95	96.00	FA Fracturé(e) Mod-str fracturing, often at 45-55CA, also fractures at 5-15CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
96.00	104.20	I2D V3B Syénite avec 25 à 50% de basalte 45° Syenite with ~25-35% Basalt. Alternating intervals of medium-grained, beige-pink Syen, coarse-grained salmon to red pink Syen and fine-grained basalt. Basalt intervals are bleached, beige-pink with dark grey chloritized remnants of non-bleached rock (replacement textures). Moderate to strong pervasive to patchy Hem and Carb alteration. Syenite is non-magnetic; dark remnants of basalt are weakly magnetic and have minor disseminated leucoxene. The unit is moderately fractured, often at 50CA, with fractures filled by Carb and lesser Qz. Specular Hem in coarse syenite. Mineralization: traces to 0.5-2% Py very fine grains disseminated in bleached basalt and fine to med-size grains and aggregates in coarse syenite. The lower contact is distinct but not sharp, irregular, at ~65CA.	96.00	97.00	0.00	V471171	0.0020	Au-ICP21	VO19115653
			97.00	98.00	0.00	V471172	0.1240	Au-ICP21	VO19115653
			98.00	99.00	0.00	V471173	0.2500	Au-ICP21	VO19115653
			99.00	100.00	0.00	V471174	0.0210	Au-ICP21	VO19115653
			100.00	101.00	0.00	V471175	0.0220	Au-ICP21	VO19115653
			101.00	102.00	0.00	V471176	0.0110	Au-ICP21	VO19115653
			102.00	103.00	0.00	V471177	0.0520	Au-ICP21	VO19115653
			103.00	103.60	0.00	V471178	0.0200	Au-ICP21	VO19115653
			103.60	104.20	0.00	V471179	0.0080	Au-ICP21	VO19115653
			96.00	104.20	CB+; HM Carbonatisation +; Hématisation				

Syenite: moderate patchy Hem and specular Hem in fractures, interstitial and patchy Carb, non-magnetic.

Basalt: mod-str patchy to pervasive bleaching (Carb), wk-mod patchy Hem, mostly non-magnetic, Localized dark grey remnants of basalt are weakly magnetic and have minor disseminated leucoxene.

96.00 104.20 PY01

Pyrite 1%

Traces to 0.5-2% Py very fine grains disseminated in bleached basalt and fine to med-size grains and aggregates in coarse syenite.

96.00 104.20 FA 50

Fracturé(e) 50°

Mod-str fracturing, often at 47-55CA. Some fractures are partially dissolved.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
104.20	129.60	V3B (I2D)	104.20	105.00	0.00	V471180	0.0160	Au-ICP21	VO19115653
		Basalte avec 5 à 25% de syénite 65°	105.00	106.00	0.00	V471181	0.0080	Au-ICP21	VO19115653
		Basalt with 10-15% Syenite injections on mm-dm scale; some syenite intervals are several dm in length.	106.00	107.00	0.00	V471182	0.0070	Au-ICP21	VO19115653
		Basalt is fine-grained, massive, medium greenish grey to locally mauve-grey, pervasively chloritized and carbonatized (calcite), patchy Hem in syenite injections, minor patchy Ep; weakly magnetic to non-magnetic. Locally fine disseminated leucoxene.	107.00	108.00	0.00	V471183	0.0060	Au-ICP21	VO19115653
			108.00	109.00	0.00	V471185	0.0040	Au-ICP21	VO19115653
			109.00	110.00	0.00	V471186	0.0030	Au-ICP21	VO19115653
			110.00	111.00	0.00	V471187	0.0080	Au-ICP21	VO19115653
			111.00	112.00	0.00	V471188	0.0040	Au-ICP21	VO19115653
		107.85-108.7 m - strongly epidotized and carbonatized basalt with remnant small roundish features (amygdules? varioles?), traces fine Py.	112.00	113.00	0.00	V471189	0.0090	Au-ICP21	VO19115653
			113.00	114.00	0.00	V471190	0.0110	Au-ICP21	VO19115653
		Mineralization: 104.2 to ~121 m - traces to 0.5% Py fine disseminated grains in syenite injections and around some fractures in basalt.	114.00	115.00	0.00	V471191	0.0020	Au-ICP21	VO19115653
		From 121 to 129.6 m - traces to 1-2% Py fine to medium-grained Py aggregates around fractures in basalt, disseminated in syenite; locally up to 5-10% Py aggregates associated with fine-grained Mgt	115.00	116.00	0.00	V471192	0.0030	Au-ICP21	VO19115653
			116.00	117.00	0.00	V471193	0.0030	Au-ICP21	VO19115653
			117.00	118.00	0.00	V471194	0.0040	Au-ICP21	VO19115653
			118.00	119.00	0.00	V471195	0.0090	Au-ICP21	VO19115653
		The lower contact is rather distinct, sheared at 30CA, mineralized by 0.5-1% Py.	119.00	120.00	0.00	V471196	0.0700	Au-ICP21	VO19115653
			120.00	121.00	0.00	V471197	0.0040	Au-ICP21	VO19115653
120.10	120.50	I2D (V3B)	121.00	122.00	0.00	V471198	0.0140	Au-ICP21	VO19115653
		Syénite avec 5 à 25% de basalte 30°	122.00	123.00	0.00	V471199	0.0070	Au-ICP21	VO19115653
		A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.	123.00	124.00	0.00	V471201	0.0040	Au-ICP21	VO19115653
			124.00	125.00	0.00	V471202	0.0040	Au-ICP21	VO19115653
			125.00	126.00	0.00	V471203	0.0080	Au-ICP21	VO19115653
		The rock is fine to medium-grained, massive, uniform, composed of Plg	126.00	127.00	0.00	V471204	0.0020	Au-ICP21	VO19115653

and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.

127.00	128.00	0.00	V471205	0.0020	Au-ICP21	VO19115653
128.00	129.00	0.00	V471206	0.0060	Au-ICP21	VO19115653
129.00	129.60	0.00	V471207	0.0080	Au-ICP21	VO19115653

Traces Py on contacts, otherwise non-mineralized.

- 104.20 107.85 CL; CB; HM-; MG-
Chloritisation; Carbonatisation; Hématisation -; Magnétite -
 Mod pervasive to patchy Chl and Carb (calcite), wk-mod patchy Hem, wk magn to non-magn.
- 107.85 108.70 EP+; CB; HM--
Épidotisation +; Carbonatisation; Hématisation --
 Strongly epidotized and carbonatized basalt; very minor reddish Hem staining in fractures and syenite injections.
- 108.70 120.15 CL; CB; HM-; EP-; MG-
Chloritisation; Carbonatisation; Hématisation -; Épidotisation -; Magnétit
 Mod pervasive Chl and Carb (calcite), weak patchy Hem (syenite injections), weak-mod patchy and fracture-filling Ep; non-magn to wk-magn.
- 120.15 124.00 HM; CB; CL-; MG-
Hématisation; Carbonatisation; Chloritisation -; Magnétite -
 Patchy bleached basalt, mod-str patchy to pervasive Hem and Carb, wk-mod patchy Chl, non-magn to wk-mod magn,
- 124.00 129.60 CL; CB; HM-; EP--; MG-
Chloritisation; Carbonatisation; Hématisation -; Épidotisation --; Magnétit
 Mod pervasive Chl and Carb (calcite), weak-mod patchy Hem (syenite injections), weak patchy and fracture-filling Ep; non-magn to wk-mod magn.
- 104.20 107.85 PY00.25
Pyrite 0.25%
 Traces to 0.5% Py fine grains in syenite injections and around some fractures in basalt.
- 107.85 108.70 PYtr
Pyrite tr
 Traces fine Py.
- 108.70 109.10 PY02
Pyrite 2%
 Pyritized stringers/fractures and fine-grained masses.

109.10	121.20	PY00.25 Pyrite 0.25% Traces to 0.5% Py fine grains disseminated around fractures in basalt.	
121.20	123.70	PY00.5 Pyrite 0.5% Traces to 1-2% Py fine grains disseminated in bleached basalt, traces to 0.5% Py in syenite injections.	
123.70	124.20	PY03 Pyrite 3% 2-3% Py fine to med-size anhedral to subhedral grains and aggregates associated with fine-grained Mgt.	
124.85	125.30	PY07 Pyrite 7% 5-10% fine to medium-grained aggregates of Py associated with fine-grained Mgt in patchy Hem+Carb basalt, around a Carb-Qz veinlet and along fractures.	
125.30	129.60	PY01 Pyrite 1% Traces to 1-2% Py fine to medium-grained Py aggregates around fractures in basalt, disseminated in syenite injections; locally up to 5%..	
104.20	107.30	FA Fracturé(e) 37° Mod--str fracturing; one group of parallel hairline to mm fractures is at 35-45CA; another set of fractures is at 0-10CA.	37
107.30	107.85	CS; FA Cisaillé(e) 45°; Fracturé(e) Wk-mod sheared and fractured syenite and basalt with weakly-developed foliation at 45CA.	45
107.85	129.60	FA Fracturé(e) Mod-str fracturing, blocky core. Fractures are hairline to 1-3 mm, mostly filled by white Cal; often parallel, at 35-55CA, CNR 10 cm at 113.9-114.0 m	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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129.60 139.50 I2D
Syénite 30°
 Syenite, coarse to medium-grained, equigranular, medium greyish beige-pink, pervasively hematitized, with wk-mod interstitial and fracture-filling Carb and specular Hem; non-magnetic. Weakly fractured and cut by <1% Qz and Qz-Carb mm-cm veinlets of different generations.

At 137.2-138.9 m - a fine to medium-grained interval with 1-2% strongly altered Fsp phenocrysts - could be highly altered basalt or another phase of syenite.

Mineralization: rare traces Py.

The lower contact is distinct, slightly dented, at 50CA. Traces fine Py in the contact.

129.60	130.30	0.00	V471209	0.2020	Au-ICP21	VO19115653
130.30	131.00	0.00	V471210	0.0030	Au-ICP21	VO19115653
131.00	132.00	0.00	V471211	0.0060	Au-ICP21	VO19115653
132.00	133.00	0.00	V471212	0.0040	Au-ICP21	VO19115653
133.00	134.00	0.00	V471213	0.0320	Au-ICP21	VO19115653
134.00	135.00	0.00	V471214	0.0160	Au-ICP21	VO19115653
135.00	136.00	0.00	V471215	0.1540	Au-ICP21	VO19115653
136.00	137.00	0.00	V471216	0.0050	Au-ICP21	VO19115653
137.00	138.00	0.00	V471217	0.0090	Au-ICP21	VO19115653
138.00	139.00	0.00	V471218	0.0060	Au-ICP21	VO19115653
139.00	139.50	0.00	V471219	0.0070	Au-ICP21	VO19115653

137.00 138.90 I2D; GM; PO
Syénite; Grains moyens; Porphyrique
 A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.
 The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.

Traces Py on contacts, otherwise non-mineralized.

129.60 139.50 HM+; CB
Hématisation +; Carbonatisation
 Mod-str pervasive Hem, wk-mod interstitial and fracture-filling Carb and specular Hem.

129.60 130.00 PY00.5
Pyrite 0.5%
 Traces to 0.5-1% fine Py diss in sheared syenite.

129.60 130.00 CS 42
Cisaillé(e) 42°
 Moderately sheared and fractured syenite with wk-mod-developed foliation at 40-45CA; minor brecciation.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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139.50	146.65	V3B (I2D) Basalte avec 5 à 25% de syénite 50° Basalt with 5-25% Syenite injections on mm to dm scale. Basalt is fine-grained, locally with ghostly ophitic texture, medium to dark greenish grey to grey with minor reddish Hem patches; pervasively to patchy chloritized and carbonatized (calcite), weakly to moderately magnetic. Minor diss leucoxene. The interval is strongly fractured with numerous hairline to 1-3 mm fractures mainly filled by white Cal. Fractures are variably oriented, discontinuous, crosscrossing, often oriented at 50-65CA.	139.50	140.00	0.00	V471220	0.0030	Au-ICP21	VO19115653
			140.00	141.00	0.00	V471221	0.0060	Au-ICP21	VO19115653
			141.00	142.00	0.00	V471222	0.0060	Au-ICP21	VO19115653
			142.00	143.00	0.00	V471223	0.0020	Au-ICP21	VO19115653
			143.00	144.00	0.00	V471224	0.0030	Au-ICP21	VO19115653
			144.00	145.00	0.00	V471226	0.0060	Au-ICP21	VO19115653
			145.00	146.00	0.00	V471227	0.0030	Au-ICP21	VO19115653
			146.00	146.65	0.00	V471228	0.0080	Au-ICP21	VO19115653

Mineralization: traces Py, locally 0.5-1% fine Py in syenite injections.

The lower contact is arbitrary.

139.50	146.65	CL; CB; HM-; MG Chloritisation; Carbonatisation; Hématisation -; Magnétite Mod-str pervasive Chl and Carb (calcite), weak patchy Hem (syenite injections), wk-mod magnetic. Locally minor diss leucoxene.
139.50	146.65	PY00.5 Pyrite 0.5% Traces Py, locally 0.5-1% fine Py in syenite injections and Cal-Hem alteration halos around fractures.
139.50	146.65	FA+ Fracturé(e)+ Mod-str fracturing, hairline to 1-3 mm fractures are filled by white Cal. Variable angles, often at 50-65CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
146.65	148.40	V3B I2D Basalte avec 25 à 50% de syénite Basalt with 25-45% syenite injections on mm-cm scale. Basalt is strongly to highly altered (sometimes hard to identify the original rock), patchy to pervasively bleached, mottled medium grey, pale beige, pink, light grey. Fine to medium-grained with localized remnants of ghostly ophitic texture seen in the unit above. Darker, less altered parts are mo magnetic, bleached parts are non-magn. Mod-str patchy Hem, Carb alteration. Mod to strong fractured with Carb, Hem infilling. Mineralization: traces to 0.5-2% very fine disseminated Py grains, mostly in	146.65	147.50	0.00	V471229	0.0150	Au-ICP21	VO19115653
			147.50	148.40	0.00	V471230	0.0130	Au-ICP21	VO19115653

bleached parts.

The lower contact is strongly sheared at 10-15CA, probably undulating along the core axis; non-mineralized.

- 146.65 148.40 CB+; HM; CL-; SR-; MG-
Carbonatisation +; Hématisation; Chloritisation -; Séricitisation -; Magnéti
Mod-str patchy to pervasive bleaching, mod-str Carb (Cal, Dol), mod patchy Hem (red and black specular), remnant patchy Chl alteration; non-magn to wk-mod magn.
- 146.65 148.40 PY01
Pyrite 1%
Traces to 0.5-2% very fine disseminated Py grains, mostly in bleached parts.
- 146.65 148.40 FA+
Fracturé(e)+
Mod-str fracturing, hairline to 1-4 mm fractures are filled by Carb, Hem. Variable angles.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
148.40	151.80	I2D Syénite 15° Syenite, coarse to medium-grained, medium greyish pink-red with minor purple-grey patches (silica flooding), pervasively to patchy hematitized, with mod interstitial, patchy and fracture-filling Carb and specular Hem; non-magnetic; mod-str fractured. Mineralization: from 148.4 to 150.65 m - traces diss Py; from 150.65 to 151.8 m - 0.5-2% Py fine diss grains and fine-grained aggregates in carbonatized patches. A somewhat distinct lower contact marked by strong fracturing, bleaching and dissolution.	148.40	149.50	0.00	V471231	0.0600	Au-ICP21	VO19115653
			149.50	150.65	0.00	V471232	0.3200	Au-ICP21	VO19115653
			150.65	151.80	0.00	V471233	0.1080	Au-ICP21	VO19115653
150.65	151.80	HM+; CB; SR-; Si- Hématisation +; Carbonatisation; Séricitisation -; Silicification - Mod-str pervasive Hem, wk-mod interstitial and patchy Carb and specular Hem. Purple-grey patches of silica flooding (?) with fine specular Hem. Locally minor patchy Ser. Non-magnetic.							

148.40	150.65	PYtr Pyrite tr Traces diss fine Py.
150.65	151.80	PY01 Pyrite 1% 0.5-2% Py fine diss euhedral subhedral grains and fine-grained aggregates.
148.40	149.50	CS Cisaillé(e) 15° A sheared, probably undulating contact between basalt and coarse syenite; mod-str developed foliation at 10-15CA.
149.50	151.80	FA Fracturé(e) Mod-str microfracturing with Carb, Hem, Qz infilling.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
151.80	156.30	V3B (I2D) Basalte avec 5 à 25% de syénite Basalt with 15-25% Syenite injections on mm to dm scale. The rock is fine-grained, mottled, medium grey to beige-pink, non-magn to weakly magn, mod-str fractured. Fractures are mainly filled by Carb and minor Qz and often have bleached Carb+/-Ser+/-Hem+/-Sil alteration halos which create replacement textures. Fractures are often oriented at 35-55CA. Mineralization: 151.8-153.4 m – traces to 0.5-1% fine Py disseminated in bleached halos around fractures, 1-2% Py in the zone with low-angle fractures (152.45-152.8 m). 153.4-156.3 m - traces Py, locally 0.5% Py small disseminated cubic grains. The lower contact is somewhat distinct, marked by changes in alteration and grain size (broken core).	151.80	152.80	0.00	V471234	0.0160	Au-ICP21	VO19115653
			152.80	153.80	0.00	V471235	0.0050	Au-ICP21	VO19115653
			153.80	154.80	0.00	V471236	0.0030	Au-ICP21	VO19115653
			154.80	155.55	0.00	V471237	0.0030	Au-ICP21	VO19115653
			155.55	156.30	0.00	V471238	0.0060	Au-ICP21	VO19115653
151.80	154.00	CB; HM; Si-; SR-; CL-; MG- Carbonatisation; Hématisation; Silicification -; Séricitisation -; Chloritisation Patchy to pervasive mod to strong bleaching (Carb+/-Ser+/-Hem+/-Sil), bleached alteration halos around fractures. Less altered/bleached parts are chloritized, with Cal rather than Dol in fractures and matrix. Non-magn to weakly magn.							

154.00	156.30	CL; CB; HM-; MG- Chloritisation; Carbonatisation; Hématisation -; Magnétite - Mod pervasive to patchy Chl, mod patchy Carb/Cal in matrix and fracture-filling, wk-mod reddish patchy Hem, wk-magn to non-magn.
151.80	153.40	PY01 Pyrite 1% Traces to 0.5-1% fine Py disseminated in bleached halos around fractures, 1-2% Py in the zone with low-angle fractures (152.45-152.8 m).
151.80	156.30	FA+ Fracturé(e)+ Mod-str fracturing. Hairline to mm fractures are mainly filled by Carb and Qz-Carb, and commonly have beige Ser-Carb alteration halos. Fractures are variably oriented, often at angles ranging from 35 to 55CA, often discontinuous, fragmented. At 152.45-15

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
156.30	163.00	I2D (V3B) Syénite avec 5 à 25% de basalte Syenite with 5-25% Basalt. Syenite is coarse-grained to medium-grained, equigranular, medium red- pink to greyish pink, pervasively hematitized, with interstitial Carb and minor specular Hem. non-magnetic. Basalt is fine-grained, medium grey to beige-grey, mod-str altered. Mineralization: traces small diss cubic Py.	156.30	157.00	0.00	V471239	0.0080	Au-ICP21	VO19115653
			157.00	158.00	0.00	V471241	0.0050	Au-ICP21	VO19115653
			158.00	159.00	0.00	V471242	0.0160	Au-ICP21	VO19115653
			159.00	160.00	0.00	V471243	0.0050	Au-ICP21	VO19115653
			160.00	161.00	0.00	V471244	0.0570	Au-ICP21	VO19115653
			161.00	162.00	0.00	V471245	0.0100	Au-ICP21	VO19115653
			162.00	163.00	0.00	V471246	0.0230	Au-ICP21	VO19115653
		158.2-159.0 m – mafic or intermediate dyke (?) with 5% pink Fsp phenocrysts; traces Py.							
		The lower contact is somewhat distinct, marked by changes in alteration and grain size.							
158.20	159.00	I2; PO Intrusif intermédiaire; Porphyrique A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling. The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.							

Traces Py on contacts, otherwise non-mineralized.

156.30 163.00 HM+; CB

Hématisation +; Carbonatisation

Mod-str pervasive Hem, wk-mod interstitial and fracture-filling Carb and specular Hem in syenite; patchy to pervasive Hem and Carb in basalt.

Non-magnetic.

153.40 163.00 PYtr

Pyrite tr

Traces Py, locally 0.5% Py small disseminated cubic grains.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
163.00	166.45	V3B (I2D)	163.00	164.00	0.00	V471247	0.0180	Au-ICP21	VO19115653
		Basalte avec 5 à 25% de syénite	164.00	165.00	0.00	V471248	0.0830	Au-ICP21	VO19115653
		Basalt with 5-25% Syenite injections on mm-cm scale.	165.00	165.80	0.00	V471249	0.0120	Au-ICP21	VO19115653
		Basalt is fine-grained, medium grey to reddish grey, non-magn to wk-mod magn, patchy to pervasive Chl, Carb, patchy Hem; mod-str fractured with Cal infilling.	165.80	166.45	0.00	V471250	0.0340	Au-ICP21	VO19115653

Mineralization: traces to 1-3% Py fine diss grains and fine-grained aggregates.

The lower contact is rather distinct, irregular, sheared and mineralized by 2-3% fine Py in bleached basalt.

163.00 166.45 CL; CB; HM; MG

Chloritisation; Carbonatisation; Hématisation; Magnétite

Mod-str patchy to pervasive Chl, Carb, mod patchy to pervasive Hem (red and specular); non-magn to wk-mod magn. Mod bleaching on the lower contact with syenite.

163.00 166.45 PY01

Pyrite 1%

Traces to 1-3% Py fine grains and fine-grained aggregates, 2-3% fine Py on the lower contact Basalt/Syenite.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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166.45	177.00	I2D		166.45	167.00	0.00	V471251	0.0030	Au-ICP21	VO19115653
		Syénite		167.00	168.00	0.00	V471252	0.0010	Au-ICP21	VO19115653
		Syenite, coarse-grained, equigranular, rather uniform in appearance, medium beige-grey-pink, pervasively hematitized, with interstitial and patchy Carb and minor specular Hem; non-magnetic, weakly fractured.		168.00	169.00	0.00	V471253	0.0040	Au-ICP21	VO19115653
		Mineralization: mostly traces Py, locally 0.5-1% Py diss grains and fine-grained aggregates in fractures.		169.00	170.00	0.00	V471254	0.0030	Au-ICP21	VO19115653
		176.4-176.85 m – strongly fractured, bleached basalt with traces to 0.5% fine Py.		170.00	171.00	0.00	V471255	0.0070	Au-ICP21	VO19115653
		The lower contact is distinct, at 60CA.		171.00	172.00	0.00	V471257	0.0070	Au-ICP21	VO19115666
				172.00	173.00	0.00	V471258	0.0050	Au-ICP21	VO19115666
				173.00	174.00	0.00	V471259	0.0050	Au-ICP21	VO19115666
				174.00	175.00	0.00	V471260	0.0050	Au-ICP21	VO19115666
				175.00	176.00	0.00	V471261	0.0140	Au-ICP21	VO19115666
				176.00	177.00	0.00	V471262	0.0160	Au-ICP21	VO19115666
176.40	176.85	V3B								
		Basalte								
		A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.								
		The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.								
		Traces Py on contacts, otherwise non-mineralized.								
166.45	177.00	HM+; CB								
		Hématisation +; Carbonatisation								
		Mod-str pervasive Hem, wk-mod interstitial and patchy Carb and specular Hem. Non-magnetic.								
166.45	175.15	PYtr								
		Pyrite tr								
		Traces Py								
175.15	176.40	PY00.5								
		Pyrite 0.5%								
		Traces to 0.5-1% Py small diss cubic grains and fine-grained aggregates in fractures.								
176.40	176.85	PY00.5								
		Pyrite 0.5%								
		Traces to 0.5% fine Py in bleached, strongly fractured basalt.								
176.40	176.85	FA+								
		Fracturé(e)+								
		Strong fracturing in basalt enclosed by svenite.								

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
177.00	187.00	V3B I2D	177.00	178.00	0.00	V471263	0.0240	Au-ICP21	VO19115666
		Basalte avec 25 à 50% de syénite 60°	178.00	179.00	0.00	V471264	0.0180	Au-ICP21	VO19115666
		Basalt with 25-50% Syenite injections.	179.00	180.00	0.00	V471265	0.0140	Au-ICP21	VO19115666
		Basalt is fine-grained, medium grey (less altered) in the upper portion and pink-beige (intensely altered) in the lower portion, patchy to pervasively hematitized and carbonatized, with remnant chlortized patches; non-magn to wk-magn. Syenite injections are fine to medium-grained.	180.00	181.00	0.00	V471266	0.0070	Au-ICP21	VO19115666
		The interval is mod-str fractured with Cal, Carb and specular Hem infilling; common reddish alteration halos around fractures.	181.00	182.00	0.00	V471267	0.0780	Au-ICP21	VO19115666
		Frequent fracturing and shearing at 5-30CA with fibrous Ser defining foliation.	182.00	183.00	0.00	V471268	0.1770	Au-ICP21	VO19115666
		At 177.30-178.0 m - sheared at 20CA, brecciation.	183.00	184.00	0.00	V471269	0.0140	Au-ICP21	VO19115666
		At 182.5-182.9 m - sheared at 30CA, brecciation.	184.00	185.00	0.00	V471270	0.0080	Au-ICP21	VO19115666
			185.00	186.00	0.00	V471271	0.0100	Au-ICP21	VO19115666
			186.00	187.00	0.00	V471272	0.0790	Au-ICP21	VO19115666
		Mineralization: traces to 0.5-1% fine Py; 1-3% fine Py in sheared sections.							
		The lower contact is rather distinct, marked by changes in grain size but impossible to measure (comminuted core).							
177.00	187.00	HM; CB; CL-; SR-; MG-							
		Hématisation; Carbonatisation; Chloritisation -; Séricitisation -; Magnétite							
		Mod-str patchy to pervasive Hem and Carb; wk Chl in remnant parts of less altered basalt; fibrous Ser in sheared sections. Bleached Hem+Carb+/- Ser alteration halos around fractures.							
		Non-magn to wk -magn.							
176.85	177.20	PY00.5							
		Pyrite 0.5%							
		Traces to 0.5-1% fine Py on the contact Syenite/Basalt.							
177.20	178.00	PY02; PY							
		Pyrite 2%; Pyrite							
		MINERALIZED ZONE							
		1-3% fine Py in a sheared section.							
181.00	183.00	PY01.5							
		Pyrite 1.5%							
		MINERALIZED ZONE							
		0.5-3% fine Py in a sheared section and in alteration halos around fractures.							

183.00	187.00	PYtr Pyrite tr Traces to 0.5% Py fine diss grains, in some fractures.	
177.20	178.00	CS; FA+; BX Cisaillé(e) 20°; Fracturé(e)+; Bréchique Sheared and strongly fractured syenite/basalt; foliation and fractures at 20CA; brecciation.	20
178.00	182.50	FA+ Fracturé(e)+ Strong fracturing; some fractures are at 10-15CA.	
182.50	182.90	CS; FA+; BX Cisaillé(e) 30°; Fracturé(e)+; Bréchique Sheared section with foliation and fractures at 30CA, brecciation.	30
183.20	187.00	FA; CS Fracturé(e); Cisaillé(e) 10° Mod irregular micro- fracturing, frequent shear fabrics (fibrous Ser) at 5-15CA.	10

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate			
187.00	199.50	I2D Syénite Syenite, coarse-grained, equigranular, greyish red, rather uniform, non-magnetic, pervasively hematitized, with patchy and interstitial Carb and specular Hem. Locally cm-dm zones of silica flooding. Weak fracturing with Carb infilling. Mineralization: rare traces Py. 187.3-188.0 m - silica flooding, tr-1% fine Py in low-angle fractures. The lower contact is arbitrary.	187.00	188.00	0.00	V471274	0.1000	Au-ICP21	VO19115666			
			188.00	189.00	0.00	V471275	0.0070	Au-ICP21	VO19115666			
			189.00	190.00	0.00	V471276	0.0020	Au-ICP21	VO19115666			
			190.00	191.00	0.00	V471277	0.1630	Au-ICP21	VO19115666			
			191.00	192.00	0.00	V471278	0.0350	Au-ICP21	VO19115666			
			192.00	193.00	0.00	V471279	0.1580	Au-ICP21	VO19115666			
			193.00	194.00	0.00	V471280	0.0270	Au-ICP21	VO19115666			
			194.00	195.00	0.00	V471281	0.0520	Au-ICP21	VO19115666			
			195.00	196.00	0.00	V471282	0.0070	Au-ICP21	VO19115666			
			196.00	197.00	0.00	V471283	0.0070	Au-ICP21	VO19115666			
			197.00	198.00	0.00	V471284	0.0240	Au-ICP21	VO19115666			
			187.00	199.50	HM+; CB; Si- Hématisation +; Carbonatisation; Silicification - Mod-str pervasive to patchy Hem, wk-mod interstitial Carb and specular Hem. Locally silica flooding.	198.00	199.00	0.00	V471285	0.0130	Au-ICP21	VO19115666
			199.00			200.00	0.00	V471286	0.2120	Au-ICP21	VO19115666	
			187.00	188.00	PY00.5 Pyrite 0.5% Traces to 1% Py fine grains in fractures.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
199.50	204.50	I2D	200.00	201.00	0.00	V471287	0.2280	Au-ICP21	VO19115666
		Syénite	201.00	202.00	0.00	V471289	0.1080	Au-ICP21	VO19115666
		Syenite, medium-grained with 10-15% coarse-grained syenite phases (rafted fragments?) cm-dm in size; greyish to brownish red, non-magnetic,	202.00	203.00	0.00	V471290	0.0080	Au-ICP21	VO19115666
		pervasively hematitized and carbonatized (Dol), specular Hem in fractures and	203.00	204.00	0.00	V471291	0.0340	Au-ICP21	VO19115666
		interstices. Plg grains in med-grained parts are strongly altered and have	204.00	205.00	0.00	V471292	0.0390	Au-ICP21	VO19115666
		blurred contours.							
		Mineralization: rare traces Py.							
		The lower contact is arbitrary.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
204.50	214.00	I2D	205.00	206.00	0.00	V471293	0.0380	Au-ICP21	VO19115666
		Syénite	206.00	207.00	0.00	V471294	0.0240	Au-ICP21	VO19115666
		Syenite, coarse-grained, equigranular, greyish red, rather uniform, non-	207.00	208.00	0.00	V471295	0.0240	Au-ICP21	VO19115666
		magnetic, pervasively hematitized, with patchy and interstitial Carb and	208.00	209.00	0.00	V471296	0.0210	Au-ICP21	VO19115666
		specular Hem. Locally cm-dm zones of silica flooding. Weak fracturing with	209.00	210.00	0.00	V471297	0.0070	Au-ICP21	VO19115666
		Carb infilling.	210.00	211.00	0.00	V471298	0.0490	Au-ICP21	VO19115666
		Mineralization: rare traces Py.	211.00	212.00	0.00	V471299	0.0340	Au-ICP21	VO19115666
			212.00	213.00	0.00	V471300	0.0270	Au-ICP21	VO19115666
			213.00	214.00	0.00	V471301	0.0310	Au-ICP21	VO19115666

205.00 208.00 FA- 30
Fracturé(e)- 30°
 Weak to locally moderate fracturing at 25-35CA with Carb and specular Hem infilling.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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214.00	240.50	I2D	214.00	215.00	0.00	V471302	0.0300	Au-ICP21	VO19115666
		Syénite	215.00	216.00	0.00	V471303	0.0710	Au-ICP21	VO19115666
		Syenite, medium-grained and coarse-grained phases, medium greyish pink to purple-red, non-magnetic, mod-str pervasive to patchy Hem, mod patchy and interstitial Carb and specular Hem.	216.00	217.00	0.00	V471305	0.0940	Au-ICP21	VO19115666
		Weak to moderate fracturing and localized shearing at 25-40CA with fractures filled by Carb, specular Hem. Locally microbrecciated intervals, cm to a few dm, cemented by Carb.	217.00	218.00	0.00	V471306	0.0330	Au-ICP21	VO19115666
		216.2-217.3 m - sheared, microbrecciated interval with weakly-developed foliation at 5-15CA.	218.00	219.00	0.00	V471307	0.0380	Au-ICP21	VO19115666
			219.00	220.00	0.00	V471308	0.0120	Au-ICP21	VO19115666
			220.00	221.00	0.00	V471309	0.1240	Au-ICP21	VO19115666
			221.00	222.00	0.00	V471310	0.1620	Au-ICP21	VO19115666
			222.00	223.00	0.00	V471311	0.0300	Au-ICP21	VO19115666
			223.00	224.00	0.00	V471312	0.1330	Au-ICP21	VO19115666
		Veins: 1-2% white to pink-white Qz-Alb-Carb mm veinlets/fractures, often parallel, oriented at 45-70CA, mostly non-mineralized.	224.00	225.00	0.00	V471313	0.1300	Au-ICP21	VO19115666
			225.00	226.00	0.00	V471314	0.1490	Au-ICP21	VO19115666
		Mineralization: rare traces traces Py.	226.00	227.00	0.00	V471315	0.0530	Au-ICP21	VO19115666
		At 220.2-220.45 m - 1% fine-grained Py aggregates in a small shear zone.	227.00	228.00	0.00	V471316	0.0980	Au-ICP21	VO19115666
		At 235-237 m - tr-1% Py fine and med diss grains and fine aggregates in microbrecciated parts.	228.00	229.00	0.00	V471317	0.0430	Au-ICP21	VO19115666
			229.00	230.00	0.00	V471318	0.0270	Au-ICP21	VO19115666
		The lower contact is distinct, marked by a 5 cm wide, bleached shear zone at 35CA.	230.00	231.00	0.00	V471319	0.0350	Au-ICP21	VO19115666
			231.00	232.00	0.00	V471320	0.0170	Au-ICP21	VO19115666
			232.00	233.00	0.00	V471322	0.0150	Au-ICP21	VO19115666
199.50	240.50	HM+; CB+; SR-	233.00	234.00	0.00	V471323	0.0210	Au-ICP21	VO19115666
		Hématisation +; Carbonatisation +; Séricitisation -	234.00	235.00	0.00	V471324	0.0910	Au-ICP21	VO19115666
		Mod-str pervasive to patchy Carb (Dol) and Hem, wk-mod interstitial specular Hem; minor fibrous Ser in sheared sections.	235.00	236.00	0.00	V471325	0.2440	Au-ICP21	VO19115666
			236.00	237.00	0.00	V471326	0.0410	Au-ICP21	VO19115666
220.20	220.45	PY01	237.00	238.00	0.00	V471327	0.0460	Au-ICP21	VO19115666
		Pyrite 1%	238.00	239.00	0.00	V471328	0.0370	Au-ICP21	VO19115666
		1% Py fine-grained aggregates in a small shear zone.	239.00	240.00	0.00	V471329	0.0450	Au-ICP21	VO19115666
			240.00	241.00	0.00	V471330	0.0320	Au-ICP21	VO19115666

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
240.50	269.45	I2D	241.00	242.00	0.00	V471331	0.0320	Au-ICP21	VO19115666
		Syénite 35°	242.00	243.00	0.00	V471332	0.2100	Au-ICP21	VO19115666
		Syenite to Monzonte, coarse to medium-grained, with a mottled appearance, composed of miliky to orangy pink to colorless Plg grains in purplish grey matrix, which is probably also composed of Plg (secondary Alb?) tinted by specular Hem and often exhibiting fine striations. Probably contains secondary Qz.	243.00	244.00	0.00	V471333	0.0630	Au-ICP21	VO19115666
		Reddish Hem alteration is weak to moderate, patchy in matrix, orangy pink staining on Plg and Qz-Alb veinlets.	244.00	245.00	0.00	V471334	0.0390	Au-ICP21	VO19115666
		Moderate to strong interstitial to penetrative Carb (dolomite, Fe-dolomite)	245.00	246.00	0.00	V471335	0.0300	Au-ICP21	VO19115666
			246.00	247.00	0.00	V471337	0.7480	Au-ICP21	VO19115666
			247.00	248.00	0.00	V471338	0.4580	Au-ICP21	VO19115666
			248.00	249.00	0.00	V471339	0.2670	Au-ICP21	VO19115666
			249.00	250.00	0.00	V471340	0.2780	Au-ICP21	VO19115666

alteration. Altered (metasomatized) zones vary from cm to several dm in size and contain remnant syenite textures, often microbrecciated. The cementing material is fine to medium-grained, beige-pink to greenish grey, Carb-dominant with variable Ser, minor Fuch, Chl, Alb, and specular Hem. The rock is non-magnetic, hard.

Veins: 1-2% white to pink-white Qz-Alb-Carb mm veinlets, typically parallel, oriented at 50-70CA.

Mineralization: traces to 0.5-1% Py small to coarse cubic grains and med-grained aggregates in some veinlets and in some carbonatized zones.

The lower contact is arbitrary, marked by changes in grain size and alteration patterns.

240.50 269.45 CB+; HM; AB; Si; SR

Carbonatisation +; Hématisation; Albitisation; Silicification; Séricitisation

Mod-str interstitial, patchy to pervasive Carb, weak to mod to strong patchy Hem (pink, orange and purple specular Hem), wk interstitial to patchy Ser/minor Fuch, minor interstitial Chl. Patchy albitization and silicification.

250.00	251.00	0.00	V471341	0.0300	Au-ICP21	VO19115666
251.00	252.00	0.00	V471342	0.0100	Au-ICP21	VO19115666
252.00	253.00	0.00	V471343	0.0140	Au-ICP21	VO19115666
253.00	254.00	0.00	V471344	0.0120	Au-ICP21	VO19115666
254.00	255.00	0.00	V471345	0.0280	Au-ICP21	VO19115666
255.00	256.00	0.00	V471346	0.0640	Au-ICP21	VO19115666
256.00	257.00	0.00	V471347	0.0510	Au-ICP21	VO19115666
257.00	258.00	0.00	V471348	0.3200	Au-ICP21	VO19115666
258.00	259.00	0.00	V471349	0.0230	Au-ICP21	VO19115666
259.00	260.00	0.00	V471350	0.0230	Au-ICP21	VO19115666
260.00	261.00	0.00	V471351	0.0270	Au-ICP21	VO19115666
261.00	262.00	0.00	V471353	0.0540	Au-ICP21	VO19115666
262.00	263.00	0.00	V471354	0.0510	Au-ICP21	VO19115666
263.00	264.00	0.00	V471355	0.0350	Au-ICP21	VO19115666
264.00	265.00	0.00	V471356	0.0270	Au-ICP21	VO19115666
265.00	266.00	0.00	V471357	0.0160	Au-ICP21	VO19115666
266.00	267.00	0.00	V471358	0.0760	Au-ICP21	VO19115666
267.00	268.00	0.00	V471359	0.0120	Au-ICP21	VO19115666
268.00	269.00	0.00	V471360	0.0950	Au-ICP21	VO19115666

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
269.45	275.30	I2D (V3B)	269.00	270.00	0.00	V471361	0.0340	Au-ICP21	VO19115666
		Syénite avec 5 à 25% de basalte	270.00	271.00	0.00	V471362	0.0090	Au-ICP21	VO19115666
		Highly altered Basalt with numerous Syenite injections and 30% coarse Syenite intervals (rafted fragments?) a few cm to 3 dm wide.	271.00	272.00	0.00	V471363	0.0540	Au-ICP21	VO19115666
		Heterogeneous, mottled medium red-pink, mauve, beige with pale greenish spots, patchy altered (mod-str Hem and Carb, lesser Ser, Fuch?, minor Chl).	272.00	273.00	0.00	V471364	0.0070	Au-ICP21	VO19115666
		Locally coarse Lx diss grains. Mauve parts are weakly magnetic.	273.00	274.00	0.00	V471365	0.0190	Au-ICP21	VO19115666
			274.00	275.00	0.00	V471366	0.0060	Au-ICP21	VO19115666
		Mod-str fractured, in parts microbrecciated, with dissolution cavities along some fractures and veinlets; silica+Hem in microfractures.2-3% white Qz-Alb-Carb mm veinlets at 45-70CA.							
		Probably, the original rock was basalt, magnetic, fractured, then injected by syenite and intruded by coarser syenite/monzonite phases. Then, this assemblage was subjected to further fracturing, microbrecciation and metasomatism.							
		Mineralization: traces to locally 0.5% Py fine diss grains and aggregates in fractures.							

The lower contact is arbitrary, marked by changes in grain size and alteration patterns.

- 269.45 275.30 HM+; CB+; SR; CL-; MG--
Hématisation +; Carbonatisation +; Séricitisation; Chloritisation -; Magnét
 Mod-str patchy to pervasive Hem and Carb, disseminated specular Hem (probably pseudomorphs after Mgt), wk-mod patchy Ser+/-Fuch, minor Chl. Locally coarse Lx diss grains. Mauve parts are weakly magnetic.
- 269.45 275.30 PY00.25
Pyrite 0.25%
 Traces to 0.5% Py fine diss grains and aggregates in fractures, traces diss cubic Py in coarse syenite.
- 269.45 275.30 FA+; Dissolution-; BX
Fracturé(e)+; Cavité de dissolution-; Bréchique
 Mod-str fractured, in parts microbrecciated, with dissolution cavities along some fractures and veinlets; silica+Hem in microfractures.2-3% white Qz-Alb-Carb mm veinlets at 45-70CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
275.30	282.95	I2D	275.00	276.00	0.00	V471367	0.0320	Au-ICP21	VO19115666
		Syénite	276.00	277.00	0.00	V471368	0.0200	Au-ICP21	VO19115666
		Syenite to Monzonte, coarse-grained, same as at 240.5-269.45 m.	277.00	278.00	0.00	V471370	0.0320	Au-ICP21	VO19115666
		Mottled purple-grey with salmon pink patches and 2-3% pink-white Qz-Alb-Carb mm parallel veinlets at 45-70CA.	278.00	279.00	0.00	V471371	0.0250	Au-ICP21	VO19115666
		Mineralization: traces to 0.5% Py small to coarse diss cubic grains, in some veinlets.	279.00	280.00	0.00	V471372	0.0050	Au-ICP21	VO19115666
			280.00	281.00	0.00	V471373	0.0320	Au-ICP21	VO19115666
			281.00	282.00	0.00	V471374	0.0540	Au-ICP21	VO19115666
			282.00	283.00	0.00	V471375	0.0130	Au-ICP21	VO19115666
		The lower contact is somewhat distinct, microbrecciated, marked by changes in grain size and alteration patterns.							
275.30	282.95	HM; CB; AB; Si; SR- Hématisation; Carbonatisation; Albitisation; Silicification; Séricitisation - Mod-str interstitial, patchy to pervasive Carb, mod to strong patchy Hem (pink, orange and purple specular Hem), wk interstitial to patchy Ser. Patchy albitization and silicification.							
275.30	282.95	PY00.25 Pyrite 0.25% Traces to 0.5% Py small to coarse diss cubic grains, in some veinlets.							

Fracturé(e); Bréchique-

Moderate fracturing, locally microbrecciation.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
282.95	291.90	V3B I2D Basalte avec 25 à 50% de syénite Highly altered/bleached Basalt (Dacite?) with syenite injections and 25% rafted fragments of coarse-grained Syenite. The interval is strongly deformed, fractured, brecciated and in parts sheared at 20-35CA. The main rock is pale greenish grey to grey-beige, fine to medium-grained, pervasively carbonatized, with fibrous Ser in fractures and shears, minor patchy Fuch. Coarse-grained syenite is pink-purple with pink-white Qz-Alb-Carb mm veinlets, same as the unit above. Fragments are angular to subangular, cm to a few dm in size and have distinct to fuzzy contours. Mineralization: traces to 0.5% small to med cubic Py grains. 283.5-284.4 m – shear zone mineralized by 1-3% fine Py. The lower contact is somewhat distinct, microbrecciated, marked by changes in grain size and alteration patterns.	283.00	284.00	0.00	V471376	0.0660	Au-ICP21	VO19115666
			284.00	285.00	0.00	V471377	0.0290	Au-ICP21	VO19115666
			285.00	286.00	0.00	V471378	0.1350	Au-ICP21	VO19115666
			286.00	287.00	0.00	V471379	0.2070	Au-ICP21	VO19115666
			287.00	288.00	0.00	V471380	0.1030	Au-ICP21	VO19115666
			288.00	289.00	0.00	V471381	0.0450	Au-ICP21	VO19115666
			289.00	290.00	0.00	V471382	0.0430	Au-ICP21	VO19115666
			290.00	291.00	0.00	V471383	0.0230	Au-ICP21	VO19115666
			291.00	292.00	0.00	V471385	0.0090	Au-ICP21	VO19115666
282.95	291.90	CB+; HM; SR; Si; AB Carbonatisation +; Hématisation; Séricitisation; Silicification; Albitisation Basalt: str pervasive Carb (Dol), mod fibrous Ser in fractures and shear zones, wk patchy Fuch, wk patchy Hem. Syenite: mod patchy Hem, specular Hem in fractures, patchy Alb abd Sil, interstitial Carb.							
283.75	284.60	PY01.5 Pyrite 1.5% MINERALIZED ZONE 1-3% fine Py in a shear zone.							
283.75	284.60	CS; BX Cisaillé(e) 20°; Bréchique Sheared interval with foliation at 5-25CA, brecciated angular fragments of coarse syenite.							

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284.60 291.90 FA; BX; CS 30
Fracturé(e); Bréchique; Cisailé(e) 30°
 A strongly deformed interval, fractured, brecciated and microbrecciated,
 in parts wk-mod sheared at 20-35CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
291.90	294.45	I2D Syénite Syenite to Monzonte, coarse-grained, same as at 240.5-269.45 m. Mottled purple-grey with salmon pink patches and 2-3% pink-white Qz-Alb-Carb mm parallel veinlets at 45-70CA. Dissolution cavities along some fractures and veinlets. Mineralization: traces to 0.5-1% Py small to coarse cubic diss grains and in some veinlets; 3% fine Py in carbonatized microbrecciated patches. 294-294.45 m - 1-3 cm wide shear zone with well-developed foliation at 15-20CA defined by sericite fabrics; microbrecciation along the rims of the zone; non-mineralized. The lower contact is somewhat distinct, sheared at 35CA, distinguished by changes in grains size and alteration patterns.	292.00	293.00	0.00	V471386	0.4110	Au-ICP21	VO19115666
			293.00	294.00	0.00	V471387	0.0700	Au-ICP21	VO19115666
291.90	294.45	HM; CB; AB; Si Hématisation; Carbonatisation; Albitisation; Silicification Mod-str interstitial, patchy to pervasive Carb, mod to strong patchy Hem (pink, orange and purple specular Hem), patchy albitization and silicification.							
291.90	293.70	PY01.5 Pyrite 1.5% Traces to 0.5-1% Py small to coarse cubic grains diss and in some Qz-Alb-Carb veinlets; 3% fine Py in carbonatized microbrecciated patches.							
294.00	294.45	CS; BX 15 Cisailé(e) 15°; Bréchique 1-3 cm wide shear zone, well-foliated at 15CA; microbrecciation along the contacts of the zone.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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294.45	307.00	I2D V3B	294.00	295.00	0.00	V471388	0.0220	Au-ICP21	VO19115666
		Syénite avec 25 à 50% de basalte 35°	295.00	296.00	0.00	V471389	0.0130	Au-ICP21	VO19115666
		Basalt with 30-40% Syenite injections (mm to a few dm), mod-str altered and fractured, locally sheared.	296.00	297.00	0.00	V471390	0.0040	Au-ICP21	VO19115666
		Fine to medium-grained, mottled dark mauve to medium grey with beige and pink patches, Mod-str patchy and fracture-filling Carb, patchy Hem, specular Hem, locally remnant Chl; fibrous Ser in sheared parts. Common fine diss specks of diss leucoxene. Chloritized intervals are weakly magnetic.	297.00	298.00	0.00	V471391	0.0110	Au-ICP21	VO19115666
			298.00	299.00	0.00	V471392	0.0140	Au-ICP21	VO19115666
			299.00	300.00	0.00	V471393	0.0080	Au-ICP21	VO19115666
			300.00	301.00	0.00	V471394	0.0070	Au-ICP21	VO19115666
			301.00	302.00	0.00	V471395	0.3120	Au-ICP21	VO19115666
		294-298 m – a highly fractured, brecciated interval with Carb-filled irregular fractures and tension gashes at 40-60CA and less commonly at 5-20CA. Also, there are several sheared bands, 1-5 cm wide, at 35-40CA, crosscut by irregular fractures, which are oriented in opposite direction to shears. Fractures often have dissolution cavities.	302.00	303.00	0.00	V471396	0.0040	Au-ICP21	VO19115666
			303.00	304.00	0.00	V471397	0.0170	Au-ICP21	VO19115666
			304.00	305.00	0.00	V471398	0.0060	Au-ICP21	VO19115666
			305.00	306.00	0.00	V471399	0.2730	Au-ICP21	VO19115666
			306.00	307.00	0.00	V471401	0.6260	Au-ICP21	VO19115666
		Mineralization: traces to 0.5% Py fine diss and aggregates.							
		298.35-298.45 m - a bleached, str fractured zone with dissolution cavities, mineralized by 3-5% fine-grained Py.							
		The lower contact is arbitrary.							
294.45	300.00	CB; HM; SR; CL-; MG--							
		Carbonatisation; Hémathisation; Séricitisation; Chloritisation -; Magnétite -							
		Basalt: mod-str pervasive Carb (Dol, Cal), wk remnant patchy Chl, wk-mod patchy Hem, fibrous Ser. Locally weakly magnetic. Fine specks of diss leucoxene.							
		Syenite injections: mod patchy Hem and Carb (Dol), specular Hem in fractures and patchy, fibrous Ser in fractures.							
300.00	307.00	CB; HM; CL-; SR-							
		Carbonatisation; Hémathisation; Chloritisation -; Séricitisation -							
		Mod patchy and fracture-filling Carb, mod patchy Hem, specular Hem in matrix and fractures, wk-mod remnant patchy Chl in less altered basalt, fibrous Ser in sheared parts, possibly minor Fuch.							
		Locally fine diss specks of diss leucoxene. Weakly magnetic in chloritized parts.							
297.70	298.35	PY00.5							
		Pyrite 0.5%							
		Traces to 0.5-1% Py fine grains disseminated, locally fine-grained aggregates around fractures.							

298.35	298.45	PY04 Pyrite 4% 3-5% fine-grained Py in a bleached, str fractured zone with dissolution cavities.
298.45	305.50	PY00.5 Pyrite 0.5% Traces to 0.5% Py fine diss and aggregates.
305.50	307.00	PY02 Pyrite 2% MINERALIZED ZONE 0.5-3% Py fine grains and fine-grained aggregates, diss, in fractures within Syenite/Basalt.
294.45	298.00	FA+; CS; Dissolution- Fracturé(e)+; Cisailé(e); Cavité de dissolution- A highly fractured, brecciated interval with Carb-filled irregular fractures and tension gashes at 40-60CA and less commonly at 5-20CA. Also, there are several sheared bands, 1-5 cm wide, at 35-40CA, crosscut by irregular fractures, which are oriented in
298.00	307.00	FA Fracturé(e) Mod-str fracturing with Carb infilling, often at 45-55CA and 5-15CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
307.00	349.00	I2D Syenite Syenite, dominantly coarse-grained, with medium-grained intervals, The rock has a heterogeneous appearance, mottled red, pink, purple, beige, greenish grey, with variable mod-str pervasive to patchy Hem, mod interstitial and patchy Carb, patchy Alb and Sil alteration; non-magnetic. It is frequently fractured, brecciated and microbrecciated, locally sheared. Microbrecciated fragments are cemented by soft, fine-grained, greenish grey and beige-grey Carb-dominant material with variable Chl, Ser, Alb. In some parts, green Carb alteration is overprinted by beige Carb. 1-2% pinkish white Qz-Alb-Carb mm veinlets throughout, typically parallel, at 45-70CA. Dissolution cavities along some veinlets and fractures. Small shear zones, cm-dm wide, with foliation at 35-45CA defined by Ser, are crosscut by Qz-Alb veinlets, which dip in opposite direction. Apparently, this rock was subjected to multiple phases of syenite injections, deformation and alteration.	307.00	308.00	0.00	V471402	0.0300	Au-ICP21	VO19115666
			308.00	309.00	0.00	V471403	0.0560	Au-ICP21	VO19115666
			309.00	310.00	0.00	V471404	0.0170	Au-ICP21	VO19115666
			310.00	311.00	0.00	V471405	0.0210	Au-ICP21	VO19115666
			311.00	312.00	0.00	V471406	0.0220	Au-ICP21	VO19115666
			312.00	313.00	0.00	V471407	0.0820	Au-ICP21	VO19115666
			313.00	314.00	0.00	V471409	0.0120	Au-ICP21	VO19115666
			314.00	315.00	0.00	V471410	0.1720	Au-ICP21	VO19115666
			315.00	316.00	0.00	V471411	0.0490	Au-ICP21	VO19115666
			316.00	317.00	0.00	V471412	0.0830	Au-ICP21	VO19115666
			317.00	318.00	0.00	V471413	0.0620	Au-ICP21	VO19115666
			318.00	319.00	0.00	V471414	0.1170	Au-ICP21	VO19115666
			319.00	320.00	0.00	V471415	0.3080	Au-ICP21	VO19115666
			320.00	321.00	0.00	V471416	0.0460	Au-ICP21	VO19115666
			321.00	322.00	0.00	V471417	0.0830	Au-ICP21	VO19115666

		Mineralization: traces to 0.5-1% Py small to med cubic grains, diss and in some Qz-Alb-Carb veinlets; traces to 0.5-1% fine Py in some microbrecciated zones.	322.00	323.00	0.00	V471418	0.0690	Au-ICP21	VO19115666
		At 329-329.75 m - 2-3% fine Py grains and aggregates in a silicified zone.	323.00	324.00	0.00	V471419	0.0260	Au-ICP21	VO19115666
		At 344.0-344.2 m - 2% Py fine to med cubic grains in altered basalt (?).	324.00	325.00	0.00	V471420	0.0610	Au-ICP21	VO19115666
			325.00	326.00	0.00	V471421	0.0690	Au-ICP21	VO19115666
			326.00	327.00	0.00	V471422	0.0140	Au-ICP21	VO19115666
			327.00	328.00	0.00	V471423	0.2080	Au-ICP21	VO19115666
		The lower contact is somewhat distinct, not sharp, irregular.	328.00	329.00	0.00	V471424	0.1830	Au-ICP21	VO19115666
344.00	344.20	V3B I2D	329.00	330.00	0.00	V471426	0.1220	Au-ICP21	VO19115666
		Basalte avec 25 à 50% de syénite	330.00	331.00	0.00	V471427	0.5380	Au-ICP21	VO19115672
		A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.	331.00	332.00	0.00	V471428	0.0690	Au-ICP21	VO19115672
		The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.	332.00	333.00	0.00	V471429	0.0800	Au-ICP21	VO19115672
			333.00	334.00	0.00	V471430	0.0840	Au-ICP21	VO19115672
			334.00	335.00	0.00	V471431	0.1610	Au-ICP21	VO19115672
			335.00	336.00	0.00	V471432	0.0270	Au-ICP21	VO19115672
			336.00	337.00	0.00	V471433	0.3450	Au-ICP21	VO19115672
			337.00	338.00	0.00	V471434	0.0930	Au-ICP21	VO19115672
		Traces Py on contacts, otherwise non-mineralized.	338.00	339.00	0.00	V471435	0.0750	Au-ICP21	VO19115672
307.00	349.00	HM+; CB; AB; Si; SR-; CL--	339.00	340.00	0.00	V471436	0.1510	Au-ICP21	VO19115672
		Hématisation +; Carbonatisation; Albitisation; Silicification; Sérécitisation	340.00	341.00	0.00	V471437	0.0250	Au-ICP21	VO19115672
		Mod-str pervasive to patchy red Hem, wk-mod interstitial and fracture-filling specular Hem, mod-str interstitial and patchy Carb, patchy Alb and Sil. Minor fluorite in fractures. Non-magnetic.	341.00	342.00	0.00	V471438	0.0210	Au-ICP21	VO19115672
		In microbrecciated zones Carb (Dol)+/-Ser+/-Chl+/-Alb cementing material.	342.00	343.00	0.00	V471439	0.0880	Au-ICP21	VO19115672
307.00	308.00	PY00.5	343.00	344.00	0.00	V471441	0.0290	Au-ICP21	VO19115672
		Pyrite 0.5%	344.00	345.00	0.00	V471442	0.0340	Au-ICP21	VO19115672
		0.5-1% Py small to med cubic grains diss, in Qz-Alb-Carb veinlets.	345.00	346.00	0.00	V471443	0.0110	Au-ICP21	VO19115672
			346.00	347.00	0.00	V471444	0.0700	Au-ICP21	VO19115672
			347.00	348.00	0.00	V471445	0.0470	Au-ICP21	VO19115672
			348.00	349.00	0.00	V471446	0.0060	Au-ICP21	VO19115672

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
349.00	352.20	V1; V3B; I2D	349.00	350.00	0.00	V471447	0.0390	Au-ICP21	VO19115672
		Volcanique felsique non divisé; Basalte; Syénite	350.00	351.00	0.00	V471448	0.0180	Au-ICP21	VO19115672
		Dacite (?) or strongly metasomatized/bleached Basalt (?) with 25% brecciated fragments of coarse-grained Syenite.	351.00	352.00	0.00	V471449	0.0200	Au-ICP21	VO19115672
		The main rock is fine to medium-grained, pale greenish beige, strongly pervasively carbonatized (Fe-Dol), with visible colorless anhedral and prismatic tiny crystals of Fsp and interstitial Ser (yellow to green fuchsitic). It is non-magnetic, moderately hard, pierced by microfractures filled by colorless to reddish silica.							
		Syenite fragments, a few mm to dm in size, typically have distinct contours,							

often etched and microbrecciated. Some fragmetns contain white Qz-Alb veinlets, which stop on the rims of fragments (thus, veinlets were formed in coarse syenite prior to brecciation).

Mineralization: traces to 0.5-1% Py fine grains and aggregates, diss, in rims of some fragments, traces diss in syenite.

The lower contact is distinct, sharp, irregular, varying from 30 to 55CA.

- 349.00 352.20 CB++; SR; HM-; Si
Carbonatisation ++; Séricitisation; Hémathisation -; Silicification
 Strong pervasive Carb (Dol, Fe-Dol), wk-mod interstitial Ser (yellowish to faintly greenish Fuch); Sil+/-Hem in fractures; Hem+/-Sil+/-Alb in syenite fragments.
- 349.00 352.20 PY00.5
Pyrite 0.5%
 Traces to 0.5-1% Py fine grains and aggregates, diss, in rims of some fragments, traces diss in syenite.
- 349.00 352.20 BX
Bréchique
 Brecciated fragments of syenite..

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
352.20	370.50	I2D Syénite 30° Syenite, dominantly coarse-grained, same as at 307.0-349.0 m. Mottled red, pink, purple, beige, greenish grey, with variable mod-str pervasive to patchy Hem, mod interstitial and patchy Carb, patchy Alb and Sil alteration; non-magnetic. Some intervals have greenish grey patchy Ser+/-Carb+/-Chl alteration (soft, soapstone). Frequent fracturing, microbrecciation; 1-2% pinkish white Qz-Alb-Carb mm-cm veinlets, at 50-75CA. Mineralization: traces to 0.5% Py fine to med cubic grains diss, in some Qz-Alb veinlets; 0.5-2% fine Py in some Carb and Ser-altered brecciated zones, In the lower portion mostly traces Py. The lower contact is distinct, sharp, at 35CA, a bit wavy with mm rim of fibrous sericite. Trace Py on the contact.	352.00	353.00	0.00	V471450	0.0710	Au-ICP21	VO19115672
			353.00	354.00	0.00	V471451	0.0870	Au-ICP21	VO19115672
			354.00	355.00	0.00	V471452	0.0700	Au-ICP21	VO19115672
			355.00	356.00	0.00	V471453	0.0700	Au-ICP21	VO19115672
			356.00	357.00	0.00	V471454	0.0210	Au-ICP21	VO19115672
			357.00	358.00	0.00	V471455	0.0090	Au-ICP21	VO19115672
			358.00	359.00	0.00	V471457	0.0680	Au-ICP21	VO19115672
			359.00	360.00	0.00	V471458	0.0160	Au-ICP21	VO19115672
			360.00	361.00	0.00	V471459	0.0130	Au-ICP21	VO19115672
			361.00	362.00	0.00	V471460	0.0160	Au-ICP21	VO19115672
			362.00	363.00	0.00	V471461	0.0060	Au-ICP21	VO19115672
			363.00	364.00	0.00	V471462	0.0150	Au-ICP21	VO19115672
			364.00	365.00	0.00	V471463	0.0260	Au-ICP21	VO19115672
			365.00	366.00	0.00	V471464	0.0150	Au-ICP21	VO19115672
366.00	367.00	0.00	V471465	0.0120	Au-ICP21	VO19115672			

352.20	361.70	HM; CB; Si; AB; SR; CL- Hématisation; Carbonatisation; Silicification; Albitisation; Séricitisation; C Mod-str pervasive to patchy Hem, mod interstitial and patchy Carb, patchy Alb and Sil. Greenish grey Ser+/-Carb+/-Chl+/-Alb patches. Non-magnetic.	367.00	368.00	0.00	V471466	0.0070	Au-ICP21	VO19115672
			368.00	369.00	0.00	V471467	0.0190	Au-ICP21	VO19115672
			369.00	370.00	0.00	V471468	0.0150	Au-ICP21	VO19115672
			370.00	370.50	0.00	V471469	0.0090	Au-ICP21	VO19115672
361.70	364.60	SR+; CB; CL-; HM Séricitisation +; Carbonatisation; Chloritisation -; Hématisation Mod-str patchy greenish grey Ser (soapstone), mod patchy and interstitial Carb, mod patchy Sil, wk-mod patchy Hem. Non-magnetic.							
364.60	370.50	HM; CB; Si; AB; SR Hématisation; Carbonatisation; Silicification; Albitisation; Séricitisation Mod-str pervasive to patchy Hem, mod interstitial and patchy Carb, patchy Alb and Sil. Greenish grey Ser+/-Carb+/-Chl+/-Alb patches. Non-magnetic.							
352.20	359.00	PY00.5 Pyrite 0.5% Traces to 0.5% Py fine to med cubic grains diss, in some Qz-Alb veinlets; 0.5-2% fine Py in some Carb and Ser-altered brecciated zones.							
359.00	370.50	PYtr Pyrite tr Traces Py.							
352.20	363.10	FA; BX Fracturé(e); Bréchtique Mod-str fracturing, frequent brecciation.							
363.10	363.55	FJ Faille 7° Low-angle fracture with slickenside striations at 7CA.							7
363.55	370.50	FA; BX Fracturé(e); Bréchtique Mod-str fracturing, frequent brecciation.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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370.50	375.50	V1; I2D Volcanique felsique non divisé 35°; Syénite Dacite with 15-25% coarse-grained Syenite. Fine to medium-grained rock with anhedral to angular (looking crushed) colorless Fsp grains in finer-grained matrix. Pale grey to grey-beige, pervasively strongly carbonatized (Fe-Dol), non-magnetic. The upper portion of the unit is foliated (sheared?) at 40-55CA with albitized bands (probably syenite injections), minor Ser. Syenite intervals are cm to several dm, with fuzzy and distinct contacts, pink, orange, beige and purple with wk-mod patchy Hem alteration; medium-grained, microfractured and often microbrecciated. Mineralization: dacite is non-mineralized, tr-0.5% Py small diss cubic grains and aggregates in syenite. The lwoer contact is distinct, rather sharp, irregular at 0-5CA to ~50CA, marked by fibrous sericite.	370.50	371.50	0.00	V471470	0.0470	Au-ICP21	VO19115672
			371.50	372.50	0.00	V471471	0.0470	Au-ICP21	VO19115672
			372.50	373.50	0.00	V471472	0.0540	Au-ICP21	VO19115672
			373.50	374.50	0.00	V471474	0.1220	Au-ICP21	VO19115672
			374.50	375.50	0.00	V471475	0.0260	Au-ICP21	VO19115672
370.50	375.50	CB+; SR-; AB-; HM- Carbonatisation +; Séricitisation -; Albitisation -; Hémathisation - Strong pervasive Carb, wk-mod patchy Alb and Ser in dacite. Mod interstitial to patchy Carb, patchy Alb and weak patchy Hem in syenite.							
370.50	371.60	PYtr Pyrite tr Rare traces Py in dacite.							
371.60	373.00	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py fine cubic grains and aggregates in syenite.							
373.00	375.50	PYtr Pyrite tr Rare traces fine Py in dacite.							
370.50	373.00	CS; BX Cisaillé(e) 50°; Bréchique Mod-str shearing with foliation at 40-55CA in dacite. Syenite is microfractured, in parts brecciated, locally foliated at 45-50CA.	50						

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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375.50	389.70	I2D	375.50	376.25	0.00	V471476	0.0450	Au-ICP21	VO19115672
		Syénite	376.25	377.00	0.00	V471477	0.0210	Au-ICP21	VO19115672
		Coarse to medium--grained Syenite, heterogeneous.	377.00	378.00	0.00	V471478	0.0350	Au-ICP21	VO19115672
		Alternating intervals: 1) medium-grained, beige-buff, pervasively strongly carbonatized (Fe-Carb) syenite (could be parts dacite) with colorless, "crushed" Fsp grains or whitish grains with blurred contours; and 2) coarse-grained syenite, mottled orange, pink, grey, with mod patchy Hem, mod interstitial Carb. Coarse intervals are a few cm to a few dm in size, with fuzzy to somewhat distinct margins. Non-magnetic.	378.00	379.00	0.00	V471479	0.0050	Au-ICP21	VO19115672
		Moderate fracturing, brecciation.	379.00	380.00	0.00	V471480	0.0040	Au-ICP21	VO19115672
		1-2% white to pink-white Qz-Alb mm parallel veinlets at 50-60CA,	380.00	381.00	0.00	V471481	0.0190	Au-ICP21	VO19115672
		Mineralization: traces to 0.5% Py small cubic grains.	381.00	382.00	0.00	V471482	0.1200	Au-ICP21	VO19115672
		The lower contact is distinct, sharp, at ~40CA.	382.00	383.00	0.00	V471483	0.0630	Au-ICP21	VO19115672
			383.00	384.00	0.00	V471484	0.2500	Au-ICP21	VO19115672
			384.00	385.00	0.00	V471485	0.1600	Au-ICP21	VO19115672
			385.00	386.00	0.00	V471486	0.1210	Au-ICP21	VO19115672
			386.00	387.00	0.00	V471487	0.4920	Au-ICP21	VO19115672
			387.00	388.00	0.00	V471489	0.2860	Au-ICP21	VO19115672
			388.00	389.00	0.00	V471490	0.0320	Au-ICP21	VO19115672
375.50	389.70	CB+; HM; AB	389.00	389.70	0.00	V471491	0.0350	Au-ICP21	VO19115672
		Carbonatisation +; Hématisation; Albitisation							
		Mod to strong pervasive, patchy and interstitial Fe-Carb, wk-mod patchy Hem and Alb in coarse syenite.							
375.50	386.00	PYtr							
		Pyrite tr							
		Traces Py.							
386.00	387.15	PY00.5							
		Pyrite 0.5%							
		Traces to 1% Py fine cubic grains and fine-grained aggregates in coarse, Hem-altered syenite.							
387.15	389.70	PYtr							
		Pyrite tr							
		Traces Py small cubic grains in coarse syenite.							
375.50	389.70	FA; BX							
		Fracturé(e); Bréchique							
		Mod-str fracturing, frequent brecciation and microbrecciation.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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389.70 393.00 V1; I2D
Volcanique felsique non divisé 40°; Syénite
 Dacite with 10% coarse-grained Syenite.
 Fine to medium-grained with colorless Fsp "eyes" in finer-grained matrix. Pale grey to grey-beige, pervasively strongly carbonatized (Fe-Dol), non-magnetic; minor fibrous Ser in fractures.
 Syenite intervals are cm to several dm, with rather distinct contacts (look like xenoliths), pink, orange, beige and purple with wk-mod patchy Hem alteration; microfractured and often microbrecciated.

Mineralization: dacite is non-mineralized, traces Py in syenite.

The lower contact is distinct, irregular, at ~45CA.

389.70	390.40	0.00	V471492	0.0180	Au-ICP21	VO19115672
390.40	391.00	0.00	V471493	0.0120	Au-ICP21	VO19115672
391.00	392.00	0.00	V471494	0.0240	Au-ICP21	VO19115672
392.00	393.00	0.00	V471495	0.0230	Au-ICP21	VO19115672

389.70 393.00 CB+; SR-; HM-

Carbonatisation +; Séricitisation -; Hémathisation -

Strong pervasive Carb, minor fibrous Ser in dacite. Mod interstitial to patchy Carb, weak patchy Hem in syenite.

389.70 393.00 PYtr

Pyrite tr

Non-mineralized dacite, traces Py in syenite.

389.70 393.00 FA; BX

Fracturé(e); Bréchtique

Microfracturing and microbrecciation in syenite intervals.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
393.00	429.00	I2D	393.00	394.00	0.00	V471496	0.0110	Au-ICP21	VO19115672
		Syénite 45°	394.00	395.00	0.00	V471497	0.0050	Au-ICP21	VO19115672
		Coarse to medium-grained Syenite, heterogeneous.	395.00	396.00	0.00	V471498	0.0040	Au-ICP21	VO19115672
		The unit has a very heterogeneous, mottled appearance due to patchy alteration and probably multiple pulses of deformation. It is beige-buff, pale to medium grey, pink, orange, greenish grey. Mod-str Carb, wk-mod patchy Hem and locally minor specular Hem, patchy Alb, Ser, locally silica flooding. Frequent microfracturing, microbrecciation, locally shearing. The primary syenite textures are mostly obliterated.	396.00	397.00	0.00	V471499	0.0510	Au-ICP21	VO19115672
		0.5-1% white to pinkish white Qz-Alb-Carb mm veinlets, typically parallel, often at 50-60CA. Locally minor fluorite in fractures.	397.00	398.00	0.00	V471500	0.0060	Au-ICP21	VO19115672
			398.00	399.00	0.00	V471501	0.0140	Au-ICP21	VO19115672
			399.00	400.00	0.00	V471502	0.0470	Au-ICP21	VO19115672
			400.00	401.00	0.00	V471503	0.0190	Au-ICP21	VO19115672
			401.00	402.00	0.00	V471505	0.0770	Au-ICP21	VO19115672
			402.00	403.00	0.00	V471506	0.1530	Au-ICP21	VO19115672
			403.00	404.00	0.00	V471507	0.0850	Au-ICP21	VO19115672
		397.7-398.2 m – silica flooding, grey to brown-orange, tr Py.	404.00	405.00	0.00	V471508	0.1320	Au-ICP21	VO19115672
		397.1-400.25 m – mod sheared at 25-30CA, tr Py.	405.00	406.00	0.00	V471509	0.0200	Au-ICP21	VO19115672

	406.15-408.7 m – sheared, irregular contact between Syenite and Dacite at 0-5CA; 1-2% fine Py at the lower contact at 408.7-409.0 m.	406.00	407.00	0.00	V471510	0.1870	Au-ICP21	VO19115672
		407.00	408.00	0.00	V471511	0.6600	Au-ICP21	VO19115672
		408.00	409.00	0.00	V471512	0.4100	Au-ICP21	VO19115672
	Mineralization: traces Py, locally 0.5-1% Py fine to med-size cubic grains diss, in some Qz-Alb veinlets, locally fine-grained aggregates in fractures.	409.00	410.00	0.00	V471513	0.0200	Au-ICP21	VO19115672
	421.55-429.0 m – a mineralized zone with 0.5-1% to 5-7% Py diss and in fractures.	410.00	411.00	0.00	V471514	0.1500	Au-ICP21	VO19115672
		411.00	412.00	0.00	V471515	0.0670	Au-ICP21	VO19115672
		412.00	413.00	0.00	V471516	0.0450	Au-ICP21	VO19115672
	The lower contact is arbitrary, marked at the end of Hem alteration.	413.00	414.00	0.00	V471517	0.0240	Au-ICP21	VO19115672
406.15	408.70 V1; I2D; CS	414.00	415.00	0.00	V471518	0.0110	Au-ICP21	VO19115672
	Volcanique felsique non divisé 2°; Syénite; Cisailé	415.00	416.00	0.00	V471519	0.0170	Au-ICP21	VO19115672
	A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.	416.00	417.00	0.00	V471520	0.0110	Au-ICP21	VO19115672
	The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.	417.00	418.00	0.00	V471522	0.0140	Au-ICP21	VO19115672
		418.00	419.00	0.00	V471523	0.0280	Au-ICP21	VO19115672
		419.00	420.00	0.00	V471524	0.0460	Au-ICP21	VO19115672
		420.00	421.00	0.00	V471525	0.0310	Au-ICP21	VO19115672
		421.00	422.00	0.00	V471526	0.7590	Au-ICP21	VO19115672
		422.00	423.00	0.00	V471527	0.3610	Au-ICP21	VO19115672
	Traces Py on contacts, otherwise non-mineralized.	423.00	424.00	0.00	V471528	0.1660	Au-ICP21	VO19115672
412.50	414.70 V3B; V1	424.00	425.00	0.00	V471529	0.0510	Au-ICP21	VO19115672
	Basalte 20°; Volcanique felsique non divisé	425.00	426.00	0.00	V471530	0.0350	Au-ICP21	VO19115672
	A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.	426.00	427.00	0.00	V471531	0.1000	Au-ICP21	VO19115672
	The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.	427.00	428.00	0.00	V471532	0.1890	Au-ICP21	VO19115672
		428.00	429.00	0.00	V471533	0.0280	Au-ICP21	VO19115672
	Traces Py on contacts, otherwise non-mineralized.							
393.00	429.00 CB+; HM; Si; SR-; AB-							
	Carbonatisation +; Hématisation; Silicification; Séricitisation -; Albitisation							
	Mod-str pervasive, patchy and interstitial Carb, wk-mod patchy orange to pinkHem and locally minor specular Hem, wk-mod patchy Alb, locally greenish grey patchy Ser+/-Chl (soapstone), locally silica flooding.							
	Minor fluorite in fractures.							
393.00	400.20 PYtr							
	Pyrite tr							
	Traces Py.							

400.20	402.70	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py fine to med-size cubic diss grains, in Carb patches with microbreccia.
402.70	408.70	PYtr Pyrite tr Traces Py.
408.70	409.00	PY01.5 Pyrite 1.5% MINERALIZED ZONE 1-2% Py fine grains, aggregates on the sheared contact dacite/syenite with grey alteration (Hem, Chl ?); med-size subhedral grains diss in syenite.
409.00	409.90	PYtr Pyrite tr Traces Py.
409.90	411.50	PY01 Pyrite 1% 0.5-1% Py med-size subhedral to euhedral grains disseminated in orange-grey-green patches of Hem, Ser/Chl, Alb, Sil alteration; fine-grained aggregates in some fractures.
411.50	412.50	PY01 Pyrite 1% 0.5-2% Py med-size euhedral grains diss in syenite.
412.50	416.00	PY00.25 Pyrite 0.25% Traces to 0.5% Py fine to med cubic grains, disseminated and in some veinlets.
416.00	417.20	PYtr Pyrite tr Traces Py.
417.20	421.55	PY00.75 Pyrite 0.75% Traces to 0.5-1% Py med-size subhedral to euhedral grains and aggregates in variably, patchy altered syenite (Carb, Ser/Chl, Sil. Alb, Hem), in some Qz-Alb veinlets and fractures.

421.55	424.70	PY01	
		Pyrite 1%	
		MINERALIZED ZONE	
		0.5-2% Py fine grains and fine-grained aggregates in fractures filled by Carb and with grey alteration halos (specHem, Alb, Sil). Some fractures are oriented at 50-60CA in direction opposite to common white Qz-Alb veinlets.	
424.70	427.00	PY03	
		Pyrite 3%	
		MINERALIZED ZONE	
		3-7% Py fine-grained aggregates in carbonatized microbrecciated zones; 0.5-2% Py fine to med disseminated subhedral to euhedral grains. Syenite is characterized by orange, grey, greenish, beige alteration patches (Hem, Carb, Ser/Chl, Alb, Sil).	
427.00	429.00	PY01	
		Pyrite 1%	
		MINERALIZED ZONE	
		0.5-2% Py small to med subhedral to euhedral grains disseminated and in carbonatized microbreccia zones. Syenite is characterized by orange, grey, greenish, beige alteration patches (Hem, Carb, Ser/Chl, Alb, Sil).	
393.00	397.10	FA; BX	
		Fracturé(e); Bréchiq	
		Microfracturing and microbrecciation.	
397.10	400.25	CS; BX	30
		Cisaillé(e) 30°; Bréchiq	
		Sheared interval with moderately-developed foliation at 25-30CA, microbrecciated.	
400.25	429.00	FA; BX	
		Fracturé(e); Bréchiq	
		Moderate fracturing, frequent microbrecciation.	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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429.00	480.80	I2D		429.00	430.00	0.00	V471534	0.1790	Au-ICP21	VO19115672
		Syénite		430.00	431.00	0.00	V471535	0.0060	Au-ICP21	VO19115672
		Medium to coarse-grained Syenite, bleached.		431.00	432.00	0.00	V471537	0.0150	Au-ICP21	VO19115672
		The interval is characterized by uniform greyish beige colour cause by strong interstitial, penetrative, patchy Carb alteration (Fe-Carb, ferroan dolomite).		432.00	433.00	0.00	V471538	0.0180	Au-ICP21	VO19115672
		Plg grains are colorless to white with weak orange-pink Hem staining, partially albitized. Occasional dark grey patches, often as alteration halos around fractures - dark colour caused by specular Hem in microfractures in Plg and silicification.		433.00	434.00	0.00	V471539	0.0140	Au-ICP21	VO19115672
		2-5% small dark grey disseminated prismatic and wedge-like crystals replaced by specular Hem.		434.00	435.00	0.00	V471540	0.0520	Au-ICP21	VO19115672
		Mod-str fracturing and frequent microbrecciation.		435.00	436.00	0.00	V471541	2.1100	Au-ICP21	VO19115672
		Less than 1% white Qz-Alb mm veinlets typically oriented at 50-65CA.		436.00	437.00	0.00	V471542	0.0470	Au-ICP21	VO19115672
		At 447.85-448.75 m - dacite.		437.00	438.00	0.00	V471543	0.1270	Au-ICP21	VO19115672
		Mineralization: traces to 0.5-1% Py small to med-size euhedral to subhedral grains diss and in some Qz-Alb veinlets and some Carb microbreccia zones.		438.00	439.00	0.00	V471544	0.0200	Au-ICP21	VO19115672
		The lower contact is arbitrary.		439.00	440.00	0.00	V471545	1.6650	Au-ICP21	VO19115672
				440.00	441.00	0.00	V471546	0.0580	Au-ICP21	VO19115672
				441.00	442.00	0.00	V471547	0.1160	Au-ICP21	VO19115672
				442.00	443.00	0.00	V471548	0.0870	Au-ICP21	VO19115672
				443.00	444.00	0.00	V471549	0.1430	Au-ICP21	VO19115672
				444.00	445.00	0.00	V471550	0.0470	Au-ICP21	VO19115672
				445.00	446.00	0.00	V471551	0.0550	Au-ICP21	VO19115672
447.85	448.75	V1		446.00	447.00	0.00	V471553	0.2420	Au-ICP21	VO19115672
		Volcanique felsique non divisé 30°		447.00	448.00	0.00	V471554	0.1410	Au-ICP21	VO19115672
		A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.		448.00	449.00	0.00	V471555	0.1230	Au-ICP21	VO19115672
		The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.		449.00	450.00	0.00	V471556	0.0340	Au-ICP21	VO19115672
		Traces Py on contacts, otherwise non-mineralized.		450.00	451.00	0.00	V471557	0.0140	Au-ICP21	VO19115672
				451.00	452.00	0.00	V471558	0.0700	Au-ICP21	VO19115672
				452.00	453.00	0.00	V471559	0.0190	Au-ICP21	VO19115672
				453.00	454.00	0.00	V471560	0.0150	Au-ICP21	VO19115672
				454.00	455.00	0.00	V471561	0.0350	Au-ICP21	VO19115672
				455.00	456.00	0.00	V471562	0.0220	Au-ICP21	VO19115672
429.00	468.00	CB+; AB; Si-; HM-; SR-		456.00	457.00	0.00	V471563	0.0270	Au-ICP21	VO19115672
		Carbonatisation +; Albitisation; Silicification -; Hématisation -; Séricitisation		457.00	458.00	0.00	V471564	0.0170	Au-ICP21	VO19115672
		Mod-str bleaching, strong interstitial, penetrative, patchy Carb alteration (Fe-Carb, ferroan dolomite); mod patchy Alb. locally Sil. Weak (locally moderate) Hem alteration in form of faint orange-pink Hem staining on Fsp grains and specular Hem in fractures and pseudomorphs after some accessory minerals. Minor sericite in fractures. Locally fracture-filling purple fluorite.		458.00	459.00	0.00	V471565	0.0370	Au-ICP21	VO19115672
				459.00	460.00	0.00	V471566	0.0440	Au-ICP21	VO19115672
				460.00	461.00	0.00	V471567	0.0340	Au-ICP21	VO19115672
				461.00	462.00	0.00	V471568	0.1830	Au-ICP21	VO19115672
				462.00	463.00	0.00	V471570	0.0530	Au-ICP21	VO19115672
				463.00	464.00	0.00	V471571	0.1050	Au-ICP21	VO19115672
				464.00	465.00	0.00	V471572	0.0210	Au-ICP21	VO19115672
				465.00	466.00	0.00	V471573	0.4920	Au-ICP21	VO19115672
				466.00	467.00	0.00	V471574	0.0730	Au-ICP21	VO19115672

468.00	480.80	CB+; Si; AB; HM-; SR- Carbonatisation +; Silicification; Albitisation; Hématisation -; Séricitisation Same alteration types as in the interval above (Carb, Alb, specular Hem, weak pink Hem) with the addition of frequent intervals of silica flooding. Fluorite in fractures.	467.00	468.00	0.00	V471575	0.0350	Au-ICP21	VO19115672
			468.00	469.00	0.00	V471576	1.5850	Au-ICP21	VO19115672
			469.00	470.00	0.00	V471577	0.4180	Au-ICP21	VO19115672
			470.00	471.00	0.00	V471578	0.1760	Au-ICP21	VO19115672
			471.00	472.00	0.00	V471579	0.0590	Au-ICP21	VO19115672
429.00	440.00	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py small to med-size euhedral to subhedral grains diss and in some Qz-Alb veinlets and some Carb microbreccia zones.	472.00	473.00	0.00	V471580	0.3280	Au-ICP21	VO19115672
			473.00	474.00	0.00	V471581	0.3330	Au-ICP21	VO19115672
			474.00	475.00	0.00	V471582	0.1070	Au-ICP21	VO19115672
			475.00	476.00	0.00	V471583	0.1690	Au-ICP21	VO19115672
440.00	440.90	PYtr Pyrite tr Traces Py.	476.00	477.00	0.00	V471585	0.0210	Au-ICP21	VO19115672
			477.00	478.00	0.00	V471586	0.0170	Au-ICP21	VO19115672
			478.00	479.00	0.00	V471587	0.0720	Au-ICP21	VO19115672
			479.00	480.00	0.00	V471588	0.0310	Au-ICP21	VO19115672
			480.00	481.00	0.00	V471589	0.0250	Au-ICP21	VO19115672

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
480.80	586.50	I2D Syénite Coarse to medium-grained Syenite, variably altered, Mottled pink, beige, grey, wk-mod patchy to pervasive Hem and minor specular Hem, mod interstitial and patchy Carb (Fe-Carb), mod albitization, in places penetrative silicification. Frequent fluorite in fractures. Mod-str irregular fracturing, frequent brecciation and microbrecciation. Some fractures are planar, oriented at 15-25CA. Some mineralized fractures are oriented at 50-60CA. Fractures are filled by greyish white Carb+/-specHem and silica. Locally dissolution cavities along fractures with barite, carbonate crystals. Mineralization: irregularly distributed Py ranging from traces to 10% in the form of fine to medium to coarse euhedral to subhedral disseminated grains and aggregates in fractures and carbonated microbrecciated zones. Bigger cubic Py grains looke etched, corroded, replaced by finer-grained Py aggregates. 482.6-483.2 m – fault(?) with microbrecciated syenite, 2-5% Py small diss grains. 488.9-489.05 m – fault(?) with microbrecciated syenite, 5-10% Py fine to med-grained aggregates and diss grains. The lower contact is arbitrary, beginning of a deformation zone with intense Hem alteration.	481.00	482.00	0.00	V471590	0.0560	Au-ICP21	VO19115672
			482.00	483.00	0.00	V471591	0.1250	Au-ICP21	VO19115672
			483.00	484.00	0.00	V471592	0.8900	Au-ICP21	VO19115672
			484.00	485.00	0.00	V471593	0.4470	Au-ICP21	VO19115672
			485.00	486.00	0.00	V471594	0.0680	Au-ICP21	VO19115672
			486.00	487.00	0.00	V471595	0.1120	Au-ICP21	VO19115672
			487.00	488.00	0.00	V471596	0.0970	Au-ICP21	VO19115672
			488.00	489.00	0.00	V471597	2.6000	Au-ICP21	VO19115679
			489.00	490.00	0.00	V471598	3.8100	Au-ICP21	VO19115679
			490.00	491.00	0.00	V471599	0.2760	Au-ICP21	VO19115679
			491.00	492.00	0.00	V471601	1.4900	Au-ICP21	VO19115679
			492.00	493.00	0.00	V471602	0.9350	Au-ICP21	VO19115679
			493.00	494.00	0.00	V471603	1.5700	Au-ICP21	VO19115679
			494.00	495.00	0.00	V471604	0.4020	Au-ICP21	VO19115679
			495.00	496.00	0.00	V471605	0.7950	Au-ICP21	VO19115679
			496.00	497.00	0.00	V471606	1.1050	Au-ICP21	VO19115679
			497.00	498.00	0.00	V471607	2.1900	Au-ICP21	VO19115679
			498.00	499.00	0.00	V471609	1.4100	Au-ICP21	VO19115679
			499.00	500.00	0.00	V471610	3.5700	Au-ICP21	VO19115679
			500.00	501.00	0.00	V471611	0.2460	Au-ICP21	VO19115679
			501.00	502.00	0.00	V471612	1.3950	Au-ICP21	VO19115679
486.60	487.10	I2	502.00	503.00	0.00	V471613	0.3090	Au-ICP21	VO19115679

		Intrusif intermédiaire 65°	503.00	504.00	0.00	V471614	0.0870	Au-ICP21	VO19115679
		A monzonite dyke (?) with a distinct lower contact at 65CA and a fuzzy, not obvious upper contact, probably obliterated by alteration and intense fracturing with fluorite infilling.	504.00	505.00	0.00	V471615	0.1870	Au-ICP21	VO19115679
		The rock is fine to medium-grained, massive, uniform, composed of Plg and lesser KFsp, possibly Qz. It is light pink to greyish pink, pervasively carbonatized (calcite), non-magnetic, weakly fractured with silica, Carb and fluorite infilling.	505.00	506.00	0.00	V471616	0.2950	Au-ICP21	VO19115679
		Traces Py on contacts, otherwise non-mineralized.	506.00	507.00	0.00	V471617	0.3240	Au-ICP21	VO19115679
			507.00	508.00	0.00	V471618	0.7170	Au-ICP21	VO19115679
			508.00	509.00	0.00	V471619	0.2210	Au-ICP21	VO19115679
			509.00	510.00	0.00	V471620	1.9500	Au-ICP21	VO19115679
			510.00	511.00	0.00	V471621	0.5240	Au-ICP21	VO19115679
480.80	586.50	HM; CB; AB-FL; Si	511.00	512.00	0.00	V471622	0.0720	Au-ICP21	VO19115679
		Hématisation; Carbonatisation; Albite-Fluorine; Silicification	512.00	513.00	0.00	V471623	0.4050	Au-ICP21	VO19115679
		Weak to moderate patchy to pervasive red-pink Hem, minor specular Hem diss and in fractures; mod interstitial, patchy and fracture-filling Carb (Fe-Dol); mod-str albitization; fluorite in fractures; locally penetrative silicification.	513.00	514.00	0.00	V471624	0.5440	Au-ICP21	VO19115679
		At 501.5-502 m - minor fuchsitic sericite on fracture surfaces.	514.00	515.00	0.00	V471626	0.2750	Au-ICP21	VO19115679
		Fine crystals of orange-red mineral disseminated and in fractures.	515.00	516.00	0.00	V471627	0.0090	Au-ICP21	VO19115679
		Barite, carbonate and this orange-red mineral in dissolution cavities.	516.00	517.00	0.00	V471628	0.0280	Au-ICP21	VO19115679
		The intensity of red hematite alteration gradually increases downhole from ~597 m.	517.00	518.00	0.00	V471629	0.1640	Au-ICP21	VO19115679
			518.00	519.00	0.00	V471630	0.2280	Au-ICP21	VO19115679
			519.00	520.00	0.00	V471631	0.0420	Au-ICP21	VO19115679
			520.00	521.00	0.00	V471632	0.0380	Au-ICP21	VO19115679
			521.00	522.00	0.00	V471633	0.1730	Au-ICP21	VO19115679
481.20	483.50	PY02	522.00	523.00	0.00	V471634	0.7420	Au-ICP21	VO19115679
		Pyrite 2%	523.00	524.00	0.00	V471635	0.2210	Au-ICP21	VO19115679
		MINERALIZED ZONE	524.00	525.00	0.00	V471636	0.0450	Au-ICP21	VO19115679
		1-3% Py small to coarse euhedral to subhedral disseminated grains, med-grained aggregates in some fractures filled by Carb+/-greyHem.	525.00	526.00	0.00	V471637	0.1410	Au-ICP21	VO19115679
		Py grains look etched, composed of fine-grained aggregates.	526.00	527.00	0.00	V471638	0.0520	Au-ICP21	VO19115679
		At 482.6-483.2 m - 2-5% Py in a brecciated zone.	527.00	528.00	0.00	V471639	0.2650	Au-ICP21	VO19115679
			528.00	529.00	0.00	V471641	0.5530	Au-ICP21	VO19115679
483.50	484.33	PY00.75	529.00	530.00	0.00	V471642	0.2360	Au-ICP21	VO19115679
		Pyrite 0.75%	530.00	531.00	0.00	V471643	0.3520	Au-ICP21	VO19115679
		MINERALIZED ZONE	531.00	532.00	0.00	V471644	0.1300	Au-ICP21	VO19115679
		0.5-1% Py small to coarse euhedral to subhedral disseminated grains.	532.00	533.00	0.00	V471645	0.1980	Au-ICP21	VO19115679
484.33	484.38	PY10	533.00	534.00	0.00	V471646	0.0260	Au-ICP21	VO19115679
		Pyrite 10%	534.00	535.00	0.00	V471647	0.1500	Au-ICP21	VO19115679
		10% Py coarse to small euhedral to subhedral grains in a strongly fractured zone with fluorite in fractures.	535.00	536.00	0.00	V471648	0.2190	Au-ICP21	VO19115679
			536.00	537.00	0.00	V471649	0.2640	Au-ICP21	VO19115679
484.38	486.60	PY00.75	537.00	538.00	0.00	V471650	0.2430	Au-ICP21	VO19115679
		Pyrite 0.75%	538.00	539.00	0.00	V471651	0.1660	Au-ICP21	VO19115679
		MINERALIZED ZONE	539.00	540.00	0.00	V471652	0.1140	Au-ICP21	VO19115679
		0.5-1% Py small to coarse euhedral to subhedral disseminated grains.	540.00	541.00	0.00	V471653	0.5140	Au-ICP21	VO19115679

487.10	488.50	PY01; CPtr Pyrite 1%; Chalcopyrite tr MINERALIZED ZONE 0.5-2% Py fine disseminated grains. Traces Cpy.	541.00	542.00	0.00	V471654	0.3220	Au-ICP21	VO19115679
			542.00	543.00	0.00	V471655	0.2440	Au-ICP21	VO19115679
			543.00	544.00	0.00	V471657	0.0210	Au-ICP21	VO19115679
			544.00	545.00	0.00	V471658	0.0160	Au-ICP21	VO19115679
488.50	488.90	PY03 Pyrite 3% MINERALIZED ZONE 2-3% Py coarse to fine euhedral to subhedral disseminated grains.	545.00	546.00	0.00	V471659	0.1000	Au-ICP21	VO19115679
			546.00	547.00	0.00	V471660	0.1290	Au-ICP21	VO19115679
			547.00	548.00	0.00	V471661	0.4790	Au-ICP21	VO19115679
			548.00	549.00	0.00	V471662	0.0350	Au-ICP21	VO19115679
488.90	489.05	PY10 Pyrite 10% MINERALIZED ZONE 10% Py fine to med-grained aggregates and diss euhedral to subhedral grains in a brecciated zone.	549.00	550.00	0.00	V471663	0.1480	Au-ICP21	VO19115679
			550.00	551.00	0.00	V471664	0.0270	Au-ICP21	VO19115679
			551.00	552.00	0.00	V471665	0.1160	Au-ICP21	VO19115679
			552.00	553.00	0.00	V471666	0.3000	Au-ICP21	VO19115679
			553.00	554.00	0.00	V471667	0.0430	Au-ICP21	VO19115679
489.05	491.00	PY01 Pyrite 1% MINERALIZED ZONE 0.5-2% Py fine to med-size euhedral to subhedral diss grains.	554.00	555.00	0.00	V471668	0.0940	Au-ICP21	VO19115679
			555.00	556.00	0.00	V471669	0.0580	Au-ICP21	VO19115679
			556.00	557.00	0.00	V471670	0.2810	Au-ICP21	VO19115679
			557.00	558.00	0.00	V471671	0.0560	Au-ICP21	VO19115679
491.00	493.20	PY03 Pyrite 3% MINERALIZED ZONE 2-5% Py fine to med-size subhedral to euhedral diss grains and fine-grained aggregates in fractures. Bigger cubic grains often have etched edges and seem to be replaced by fine-grained Py aggregates.	558.00	559.00	0.00	V471672	0.0720	Au-ICP21	VO19115679
			559.00	560.00	0.00	V471674	0.0520	Au-ICP21	VO19115679
			560.00	561.00	0.00	V471675	0.0720	Au-ICP21	VO19115679
			561.00	562.00	0.00	V471676	0.1910	Au-ICP21	VO19115679
			562.00	563.00	0.00	V471677	0.1320	Au-ICP21	VO19115679
493.20	495.60	PY01 Pyrite 1% MINERALIZED ZONE 0.5-2% Py fine to med-size euhedral to subhedral diss grains, fine-grained aggregates.	563.00	564.00	0.00	V471678	0.0190	Au-ICP21	VO19115679
			564.00	565.00	0.00	V471679	0.0570	Au-ICP21	VO19115679
			565.00	566.00	0.00	V471680	0.0560	Au-ICP21	VO19115679
			566.00	567.00	0.00	V471681	0.1630	Au-ICP21	VO19115679
			567.00	568.00	0.00	V471682	0.3180	Au-ICP21	VO19115679
495.60	498.15	PY05; CPtr Pyrite 5%; Chalcopyrite tr MINERALIZED ZONE 3-7% Py very fine to med-size euhedral to subhedral diss grains, fine-grained aggregates. Traces Cpy.	568.00	569.00	0.00	V471683	0.9610	Au-ICP21	VO19115679
			569.00	570.00	0.00	V471684	0.2750	Au-ICP21	VO19115679
			570.00	571.00	0.00	V471685	0.0940	Au-ICP21	VO19115679
			571.00	572.00	0.00	V471686	0.3050	Au-ICP21	VO19115679
498.15	500.70	PY01.5 Pyrite 1.5% MINERALIZED ZONE 0.5-2% Py fine to med-size euhedral to subhedral diss grains, medium to fine-grained aggregates in fractures; locally 5%.	572.00	573.00	0.00	V471687	0.0110	Au-ICP21	VO19115679
			573.00	574.00	0.00	V471689	0.0160	Au-ICP21	VO19115679
			574.00	575.00	0.00	V471690	0.0900	Au-ICP21	VO19115679
			575.00	576.00	0.00	V471691	0.0330	Au-ICP21	VO19115679
			576.00	577.00	0.00	V471692	0.0170	Au-ICP21	VO19115679
			577.00	578.00	0.00	V471693	0.0080	Au-ICP21	VO19115679
			578.00	579.00	0.00	V471694	0.0070	Au-ICP21	VO19115679

500.70	502.00	PY02.5	579.00	580.00	0.00	V471695	0.0170	Au-ICP21	VO19115679
		Pyrite 2.5%	580.00	581.00	0.00	V471696	0.0420	Au-ICP21	VO19115679
		MINERALIZED ZONE	581.00	582.00	0.00	V471697	0.0480	Au-ICP21	VO19115679
		2-3% Py coarse, medium and fine cubic grains disseminated and aggregates in fractures filled by Carb, specular Hem, Fluor, and minor fuchsitic Ser.	582.00	583.00	0.00	V471698	0.1210	Au-ICP21	VO19115679
			583.00	584.00	0.00	V471699	0.1040	Au-ICP21	VO19115679
			584.00	585.00	0.00	V471700	0.1380	Au-ICP21	VO19115679
			585.00	586.00	0.00	V471701	0.6140	Au-ICP21	VO19115679
			586.00	587.00	0.00	V471702	3.1100	Au-ICP21	VO19115679

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
586.50	593.15	I2D; BX	587.00	588.00	0.00	V471703	0.9070	Au-ICP21	VO19115679
		Syénite; Brèche	588.00	589.00	0.00	V471705	0.1170	Au-ICP21	VO19115679
		A deformation zone in Syenite.	589.00	590.00	0.00	V471706	0.0080	Au-ICP21	VO19115679
		Bright red, intensely pervasively hematitized syenite, strongly fractured and often brecciated, with destroyed texture. Irregular fractures are filled by grey Carb+/-specHem, white calcite and minor fluorite. Apparently, fractures are of different generations.	590.00	591.00	0.00	V471707	0.0030	Au-ICP21	VO19115679
			591.00	592.00	0.00	V471708	0.0040	Au-ICP21	VO19115679
			592.00	593.15	0.00	V471709	0.0030	Au-ICP21	VO19115679
		At 589.5 m - a 2.5 cm wide fault zone at 75-80CA, 70% mm-cm fragments of red syenite / 30% grey gouge.							
		Mineralization: from 586.5 to 588 m - 1-5% fine-grained Py aggregates in fractures and very fine disseminated grains; after 588 m the Py content rapidly decreases towards the fault zone to traces; 0.5% Py near the lower contact.							
		The lower contact is broken but still fairly distinct by changes in colour (alteration) and texture (becomes sheared at 65CA).							
586.50	593.15	HM++; CB							
		Hématisation ++; Carbonatisation							
		Strong to intense hematitization (brick red), minor specular Hem in fractures; wk-mod patchy Carb (Dol, Cal), white calcite in fractures.							
586.50	588.00	PY03							
		Pyrite 3%							
		MINERALIZED ZONE							
		1-5% fine-grained Py aggregates in fractures and very fine disseminated grains. Pyrite grains are paler than usual.							

588.00	593.15	PYtr Pyrite tr Traces Py.
586.50	589.50	FA+; BX Fracturé(e)+; Bréchique Fault damage zone - strongly fractured interval, in parts brecciated. Broken blocky core.
589.50	589.55	FJ Faille 77° 2.5 cm wide fault zone at 75-80CA, 70% mm-cm fragments of red syenite / 30% grey gouge.
589.55	593.15	FA+; BX Fracturé(e)+; Bréchique Fault damage zone - strongly fractured interval, in parts brecciated. Broken blocky core.

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From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
593.15	610.20	V3B I2D; CS Basalte avec 25 à 50% de syénite 65°; Cisailé Intensely sheared interval, likely composed of 50% Basalt with 50% Syenite injections. Very mottled in appearance, red, pink, beige, grey, dark purple-grey, well-foliated at 60-65CA. Shear bands are mm to cm wide. The primary textures are completely destroyed. Some larger syenite intervals (a few dm long) are less foliated and rather strongly fractured - these may well be boudinaged parts. Several flat fractures (0-5CA) crosscut the foliation. Locally dissolution cavities along fractures. A few localized cm breccia bands cemented by fluorite. Alteration: mod patchy red Hem, specular Hem in fractures and shear planes, mod patchy Carb (dolomite, calcite), mod-str Alb, wk-mod Ser and Fuch in shear planes, minor fluorite in fractures. The unit is mostly non-magnetic, locally wk-mod magnetic due to the presence of small disseminated Mgt grains. Veins: 1-3% calcite veins, 0.5-3.0 cm wide, injected into foliation planes. Mineralization: irregularly distributed Py from traces to 5% as fine grains and fine-grained aggregates in shear planes. The lower contact is marked at the end of shear zone.	593.15	594.00	0.00	V471710	0.0190	Au-ICP21	VO19115679
			594.00	595.00	0.00	V471711	0.0070	Au-ICP21	VO19115679
			595.00	596.00	0.00	V471712	0.0100	Au-ICP21	VO19115679
			596.00	597.00	0.00	V471713	0.0420	Au-ICP21	VO19115679
			597.00	598.00	0.00	V471714	0.0250	Au-ICP21	VO19115679
			598.00	599.00	0.00	V471715	0.0060	Au-ICP21	VO19115679
			599.00	600.00	0.00	V471716	0.0130	Au-ICP21	VO19115679
			600.00	601.00	0.00	V471717	0.0120	Au-ICP21	VO19115679
			601.00	602.00	0.00	V471718	0.0070	Au-ICP21	VO19115679
			602.00	603.00	0.00	V471719	0.0170	Au-ICP21	VO19115679
			603.00	604.00	0.00	V471720	0.1450	Au-ICP21	VO19115679
			604.00	605.00	0.00	V471722	0.0520	Au-ICP21	VO19115679
			605.00	606.00	0.00	V471723	0.0200	Au-ICP21	VO19115679
			606.00	607.00	0.00	V471724	0.0280	Au-ICP21	VO19115679
			607.00	608.00	0.00	V471725	0.0060	Au-ICP21	VO19115679
			608.00	609.00	0.00	V471726	0.0180	Au-ICP21	VO19115679
			609.00	610.00	0.00	V471727	0.0170	Au-ICP21	VO19115679

593.15	600.50	HM; CB; AB-FL; SR Hématisation; Carbonatisation; Albite-Fluorine; Séricitisation Mod-str patchy red Hem, specular Hem in fractures and shear planes; mod-str patchy Carb (dolomite). albitized syenite bands, wk Ser in shear planes, minor fluorite in fractures. Non-magnetic.
600.50	610.20	CB; HM; SR; CL-; AB-FL; MG- Carbonatisation; Hématisation; Séricitisation; Chloritisation -; Albite-Fluo Mod-str patchy Carb (dolomite, calcite), wk-mod patchy pink- red Hem, specular Hem in fractures and shear planes, wk-mod Alb, wk-mod patchy Ser, Fuch and Chl in shear planes, minor fluorite in fractures. Non-magnetic to locally wk-mod magnetic due to diss Mgt grains.
593.15	610.20	PY02 Pyrite 2% MINERALIZED SHEAR ZONE Irregularly distributed Py from traces to 5% as fine grains and fine-grained aggregates in shear planes. Pyrite is characterized by paler than usual colour.
593.15	611.00	CS++; FA; BX- 62 Cisaillé(e)++ 62°; Fracturé(e); Bréchique- Intensely sheared interval with well-developed foliation at 60-65CA. Low-angle fractures crosscut the foliation at 0-5CA. Locally visible mm displacements of shear bands. A few localized cm bands of brecciated sheared rock with fragments cemented by flu

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
610.20	633.75	I2D V3B Syénite avec 25 à 50% de basalte Strongly deformed syenite with up to 40% basaltic intervals. Pervasive carbonate alteration on the basaltic sections and mainly bleaching and sericite alteration on the sheared syenite-basalt mix segments. Some syenite intervals up to 2meters thick are medium grained massive reddish and not foliated. The in-between sections of mixed syenite and basalt are strongly sheared, foliated between 50 and 70 degrees tca. 610.7 to 612.15m green, carbonate altered magnetic basaltic section. 612.15-616.22 sheared syenite and basalt mix with euhedral py 1-2cm at 612.4m with tourmaline veinlets in a 15cm carbonate vein at 45 degrees tca. 616.22-618.3 reddish, fine to medium grained massive syenite. Pervasive	610.00	611.00	0.00	V471728	0.0260	Au-ICP21	VO19115679
			611.00	612.00	0.00	V471729	0.0005	Au-ICP21	VO19115679
			612.00	613.00	0.00	V471730	0.0200	Au-ICP21	VO19115679
			613.00	614.00	0.00	V471731	0.0240	Au-ICP21	VO19115679
			614.00	615.00	0.00	V471732	0.0070	Au-ICP21	VO19115679
			615.00	616.00	0.00	V471733	0.0070	Au-ICP21	VO19115679
			616.00	617.00	0.00	V471734	0.0050	Au-ICP21	VO19115679
			617.00	618.00	0.00	V471735	0.0050	Au-ICP21	VO19115679
			618.00	619.00	0.00	V471737	0.0030	Au-ICP21	VO19115679
			619.00	620.00	0.00	V471738	0.0060	Au-ICP21	VO19115679
			620.00	621.00	0.00	V471739	0.0100	Au-ICP21	VO19115679
			621.00	622.00	0.00	V471740	0.0150	Au-ICP21	VO19115679

		weak sericite alteration.	622.00	623.00	0.00	V471741	0.0360	Au-ICP21	VO19115679
		618.3-623.65 strongly sheared syenite basalt mix with up to 5% pyrite as veinlets and disseminated.	623.00	624.00	0.00	V471742	0.0170	Au-ICP21	VO19115679
			624.00	625.00	0.00	V471743	0.0140	Au-ICP21	VO19115679
		623.65-626.3 basaltic interval, carbonate altered with syenite injections and 1-2% pyrite.	625.00	626.00	0.00	V471744	0.0180	Au-ICP21	VO19115679
			626.00	627.00	0.00	V471745	0.0150	Au-ICP21	VO19115679
		626.3-633.75 m sheared syenite with up to 10% or more finely disseminated pyrite and veinlets.	627.00	628.00	0.00	V471746	0.0100	Au-ICP21	VO19115679
		Lower contact sharp at 15 degrees tca.	628.00	629.00	0.00	V471747	0.0100	Au-ICP21	VO19115679
			629.00	630.00	0.00	V471748	0.0360	Au-ICP21	VO19115679
			630.00	631.00	0.00	V471749	0.0200	Au-ICP21	VO19115679
			631.00	632.00	0.00	V471750	0.0060	Au-ICP21	VO19115679
			632.00	633.00	0.00	V471751	0.0030	Au-ICP21	VO19115679
610.20	633.75	CB; SR Carbonatisation; Séricitisation Carbonate alteration as fracture filling calcite veinlets mainly on the basaltic intervals. Light grey to yellowish-beige sericite on sheared syenitic sections plus bleaching and occasional magnetite veinlets at 621.3 to 623.3m.	633.00	634.00	0.00	V471753	0.0140	Au-ICP21	VO19115679
610.20	616.22	PY02 Pyrite 2% 2-3% finely disseminated pyrite mainly in the syenite sections.							
616.22	618.30	PY02 Pyrite 2% 2% finely disseminated pyrite in massive medium grained syenite interval.							
618.30	623.65	PY05 Pyrite 5% 3-5% pyrite as mm thick veinlets and finely disseminated in both sheared and massive syenite intervals.							
623.65	626.30	PY02 Pyrite 2% 1-2% disseminated pyrite in carbonate altered basalt interval with syenite injections.							
626.30	632.25	PY08 Pyrite 8% Overall 8-10% disseminated pyrite in sheared syenite. 10-12% py as mm thick veinlets subparallel to foliation mainly between 628.8 and 630.8m.							
612.75	616.22	CS Cisaillé(e) 65° Strongly sheared mix of basalt and syenite interval with two 30-50cm sections of massive reddish-brown medium grained not sheared syenite.							

		The shear appears to have affected only the basaltic rich intervals that have sharp contacts with the syenite sectio	
618.30	619.47	CS	60
		Cisaillé(e) 60°	
		Sheared basalt with syenite injections. Upper contact sharp at 30 degrees tca. Lower contact at 70 degrees.	
620.47	623.65	CS	50
		Cisaillé(e) 50°	
		strongly sheared and algered mix of syenite and basalt. Patchy serite alteration and magnetite veinlets.	
626.30	626.90	CS	60
		Cisaillé(e) 60°	
		Sheared and bleached section of mixed syenite and basalt. Pervasive serite alteration and strongly magnetic.	
628.40	632.25	CS	50
		Cisaillé(e) 50°	
		Strongly sheared syenite at 45 to 50 degrees tca. Patchy sericite and magnetite veinlets.	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
633.75	641.43	I2D (V3B)	634.00	635.00	0.00	V471754	0.0340	Au-ICP21	VO19115679
		Syénite avec 5 à 25% de basalte	635.00	636.00	0.00	V471755	0.0300	Au-ICP21	VO19115679
		Light grey to beige fine grained, bleached, silicified and moderately magnetic syenite? Dark green chlorite stringers along foliation at 20 degrees tca from upper contact to 636.4m. 1-2% pyrite as finely disseminated and minor mm thick veinlets from 639 to 640m. Pervasive strong carbonate alteration. Lower contact sharp at 50 degrees tca.	636.00	637.00	0.00	V471756	0.0130	Au-ICP21	VO19115679
			637.00	638.00	0.00	V471757	0.0100	Au-ICP21	VO19115679
			638.00	639.00	0.00	V471758	0.0070	Au-ICP21	VO19115679
			639.00	640.00	0.00	V471759	0.2530	Au-ICP21	VO19115679
			640.00	641.00	0.00	V471760	0.2010	Au-ICP21	VO19115679
633.75	641.43	CB; Si							
		Carbonatisation; Silicification							
		Pervasive strong carbonate alteration. Patchy silicification (bleaching).							
633.75	641.43	PY							
		Pyrite							
		2-3% pyrite as finely disseminated overall and locally as stringers from 639 to 640m.							
633.75	641.43	CS							
		Cisaillé(e) 20°							
		Foliation at 15-20 degrees tca from upper contact to 640.5m							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
641.43	651.00	V3B	641.00	642.00	0.00	V471761	0.0160	Au-ICP21	VO19115679
		Basalte	642.00	643.00	0.00	V471762	0.0100	Au-ICP21	VO19115679
		Dark green, fine grained aphanitic basalt, moderately magnetic. From upper contact to 642m 50cm sheared interval with pervasive carbonate alteration and bleaching, foliation at 40 degrees tca. From 642.4 to 646m silicified, carbonate altered and bleached grey interval, altered syenite? similar to the previous unit. From 642 to 651 heavily epidotized with epidote patches and veinlets and carbonate veinlets down to 645m. From 645.5 to 646.35m pink calcite vein with quartz sections, epidote and chlorite patches and one magnetite bleb.	643.00	644.00	0.00	V471763	0.0250	Au-ICP21	VO19115679
			644.00	645.00	0.00	V471764	0.0080	Au-ICP21	VO19115679
			645.00	646.00	0.00	V471765	0.0080	Au-ICP21	VO19115679
			646.00	647.00	0.00	V471766	0.0090	Au-ICP21	VO19115679
			647.00	648.00	0.00	V471767	0.0150	Au-ICP21	VO19115679
			648.00	649.00	0.00	V471768	0.0220	Au-ICP21	VO19115679
			649.00	650.00	0.00	V471770	0.0160	Au-ICP21	VO19115679
		EOH 651m	650.00	651.00	0.00	V471771	0.0220	Au-ICP21	VO19115679
641.43	651.00	EP							
		Épidotisation							
		Pervasive epidote as patches and irregular veinlets.							
641.43	651.00	PY03							
		Pyrite 3%							
		2-3% pyrite as small subcm belbs and mm thick veinlets in heavily epidotized basalt.							

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	352.20	-46.40	Collar	24.00	352.06	-42.20	Reflex EZ-Gyro	54.00	353.10	-41.93	Reflex EZ-Gyro
84.00	353.80	-41.62	Reflex EZ-Gyro	114.00	355.77	-41.28	Reflex EZ-Gyro	144.00	356.97	-41.32	Reflex EZ-Gyro
204.00	359.04	-40.46	Reflex EZ-Gyro	234.00	359.32	-40.16	Reflex EZ-Gyro	234.01	358.14	-39.74	Reflex EZ-Gyro
264.00	1.64	-38.83	Reflex EZ-Gyro	294.00	1.88	-38.14	Reflex EZ-Gyro	324.00	4.27	-37.49	Reflex EZ-Gyro
414.00	8.81	-34.90	Reflex EZ-Gyro	414.01	8.20	-35.70	Reflex EZ-Trac	444.00	11.03	-33.19	Reflex EZ-Gyro
519.00	12.62	-33.40	Reflex EZ-Gyro	594.00	15.67	-32.67	Reflex EZ-Gyro				

Drillhole Information

Easting: 707988.00
Northing: 5490144.00
Elevation: 303.00
Azimuth 12.10
Dip -48.20

Drilling Information

DrillCo: Pikogan
DrillID: PK1
DrillStart: 14-Apr-19
DrillEnd: 19-Apr-19
Length (m): 417.00

Logging Information

LogBy: E. Stavre (OGQ #2144)
LogStart: 14-Apr-19
LogEnd: 20-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Results:

66 - 79 m: 1.036 ppm Au/13 m
366 - 367 m: 0.308 ppm Au/1 m
374 - 375 m: 0.361 ppm Au/1 m
387.5 - 388.5 m: 0.755 ppm Au/1 m
393 - 394 m: 0.26 ppm Au/1 m



E. Stavre (OGQ #2144)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	66.00	M-T Mort terrain OB	407.00	408.00	0.00	V469783	0.0050	Au-ICP21	VO19127457
			408.00	409.00	0.00	V469785	0.0030	Au-ICP21	VO19127457
			409.00	410.00	0.00	V469786	0.0100	Au-ICP21	VO19127457
			410.00	411.00	0.00	V469787	0.0030	Au-ICP21	VO19127457
			411.00	412.00	0.00	V469788	0.0090	Au-ICP21	VO19127457
			412.00	413.00	0.00	V469789	0.0080	Au-ICP21	VO19127457
			413.00	414.00	0.00	V469790	0.0130	Au-ICP21	VO19127457
			414.00	415.00	0.00	V469791	0.0080	Au-ICP21	VO19127457
			415.00	416.00	0.00	V469792	0.1400	Au-ICP21	VO19127457
			416.00	417.00	0.00	V469793	0.1550	Au-ICP21	VO19127457
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
66.00	67.80	V3B; AM Basalte; Amygdalaire Description ; Basalt Color; green Granulation ; destroyed Texture; massive, aphanitic Structure; highly fractured, ~10% calcite/chlorite filled fractures at approx 55 deg tca, one breccia at 68.8m-68.9m at 45 deg tca. One fault at 67.7m-67.8m gouge, 2cm clay filled planes. Barren. Marks up LC at 60 deg tca. Alteration; strongly carbonate bleaching, rough surface , minor oxidation, otherwise calcite/chlorite pervasive with weak clay altered sericite stringers to fract filling. moderate to patchy hematite Mineralization: 66m-67m up to 2% mg to fg diss'd subeuhedral to unehedral Py.	66.00	67.00	0.00	V469416	0.6220	Au-ICP21	VO19115646
			67.00	68.00	0.00	V469417	0.0540	Au-ICP21	VO19115646
66.00	67.80	CB; CL; SR; HM; MG Carbonatisation; Chloritisation; Séricitisation; Hémathisation; Magnétite Alteration; strongly carbonate bleaching, rough surface , minor oxidation, otherwise calcite/chlorite pervasive with weak clay altered sericite stringers to fract filling. moderate to patchy hematite							
66.00	67.00	PY02 Pyrite 2% Mineralization: 66m-67m up to 2% mg to fg diss'd subeuhedral to unehedral Py.							

67.70 67.80 FJ
Faille
 One fault at 67.7m-67.8m gouge, 2cm clay filled planes. Barren. Marks up
 LC at 60 deg tca.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
67.80	75.50	I2D V3B; AE; PO Syénite avec 25 à 50% de basalte; Altéré; Porphyrique Description; A mixture of felsic syenite with mafic flow (Mineralized Zone) Color;green to light pinkish Granulation; destroyed Texture; aphanitic with few porphyritic sections Structure; Highly fractured , brecciated, with sil/calc filled hairline to tension gashes, erratic, One crackle breccia at 71.9m-71.94m at 65 deg tca, fine grain late felsic matrix with angular porphyritic intrusive.One strong shear at 74.7m-75.4m marking up LC at 45 deg tca, fractured with microbreccia component. Alteration; Strong carbonate/sericite pervasive to semipervasive with moderate to strong hematite patches, chlorite altered fragents Mineralization; up to 3% mg to fg diss'd sub to unhdral Py, Contacts; LC is 20cm shear zone at 45 deg tca.MNZ up to 3% mg to fg shear controlled	68.00	69.00	0.00	V469418	0.2890	Au-ICP21	VO19115646
			69.00	70.00	0.00	V469419	0.2990	Au-ICP21	VO19115646
			70.00	71.00	0.00	V469420	1.4100	Au-ICP21	VO19115646
			71.00	72.00	0.00	V469421	1.2900	Au-ICP21	VO19115646
			72.00	73.00	0.00	V469422	0.8550	Au-ICP21	VO19115646
			73.00	74.00	0.00	V469423	0.6300	Au-ICP21	VO19115646
			74.00	75.00	0.00	V469424	0.8890	Au-ICP21	VO19115646
			75.00	76.00	0.00	V469426	1.4300	Au-ICP21	VO19115646
67.80	75.50	HM-CB; SR; MG Hématite-Carbonate; Séricitisation; Magnétite Alteration; Strong carbonate/sericite pervasive to semipervasive with moderate to strong hematite patches, chlorite altered fragents							
67.80	75.50	PY03 Pyrite 3% Mineralization; up to 3% mg to fg diss'd sub to unhdral Py,							
68.80	68.90	T1A; BX; FA Brèche de faille; Bréchiq(u)e; Fracturé(e) one breccia at 68.8m-68.9m at 55deg tca. highly fractured, ~10% calcite/chlorite filled fracturs at approx 55 deg tca,							
71.90	71.94	T1A Brèche de faille Structure; Hughly fractured , brecciated, with sil/calc filled hairline to tension gashes, erratic, One crackle breccia at 71.9m-71.94m at 65 deg tca, fine grain late felsic matrix with angular porphyritic intrusive.							

74.70 75.40 CS

Cisaillé(e)

One strong shear at 74.7m-75.4m marking up LC at 45 deg tca, fractured with microbreccia component.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
75.50	141.00	V3B; MA	76.00	77.00	0.00	V469427	0.8610	Au-ICP21	VO19115646
		Basalte; Roche massive	77.00	78.00	0.00	V469428	2.4700	Au-ICP21	VO19115646
		Description; Massive Basalt	78.00	79.00	0.00	V469429	2.3700	Au-ICP21	VO19115646
		Color; green	79.00	80.00	0.00	V469430	0.0130	Au-ICP21	VO19115646
		Granulation, fine grain,	80.00	81.00	0.00	V469431	0.0080	Au-ICP21	VO19115646
		Texture: destroyed to massive (lower unit)	81.00	82.00	0.00	V469432	0.0190	Au-ICP21	VO19115646
		Structure;. upper unit is intense fractured,, stw 5-7% Carb veinlets. One major fault breccia zone at 76m-81.9m with 40% RQD at 90.4m-90.6m at 50 deg tca, 1-2cm bx'd angular mafic frag's, strongly chlorite altered, with strong epidot patcheed fragments. barren <1% thin mm size syenite injections	82.00	83.00	0.00	V469433	0.0110	Au-ICP21	VO19115646
		Alteration; Strong carbonate/hematite/chlorite pervasive and strong pervasive to patchy silicification (75.5m-81.9m) decreasing with strong patchy epidot to stringers, 140m-141m strong pervasive epidit patch.	83.00	84.00	0.00	V469434	0.0010	Au-ICP21	VO19115646
		Otherwise Epi/chl/carb moderate to somewhat strong alternating otherwise strong pervasive chlorite, weak carbonate/hematite	84.00	85.00	0.00	V469435	0.0160	Au-ICP21	VO19115646
		Mineralization: Trace to 0.5% mg diss'd Py.	85.00	86.00	0.00	V469436	0.0050	Au-ICP21	VO19115646
		Contacts: LC is to be continued.	86.00	87.00	0.00	V469437	0.0005	Au-ICP21	VO19115646
			87.00	88.00	0.00	V469438	0.0050	Au-ICP21	VO19115646
			88.00	89.00	0.00	V469439	0.0020	Au-ICP21	VO19115646
			89.00	90.00	0.00	V469441	0.0030	Au-ICP21	VO19115646
90.40	90.60	I2D V3B	90.00	91.00	0.00	V469442	0.0410	Au-ICP21	VO19115646
		Syénite avec 25 à 50% de basalte	91.00	92.00	0.00	V469443	0.0100	Au-ICP21	VO19115646
		up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py, 1% specularite, mgnt	92.00	93.00	0.00	V469444	0.0080	Au-ICP21	VO19115646
			93.00	94.00	0.00	V469445	0.0110	Au-ICP21	VO19115646
			94.00	95.00	0.00	V469446	0.0020	Au-ICP21	VO19115646
75.50	81.90	HM-CB; Si; CL; MG	95.00	96.00	0.00	V469447	0.0040	Au-ICP21	VO19115646
		Hématite-Carbonate; Silicification; Chloritisation; Magnétite	96.00	97.00	0.00	V469448	0.0140	Au-ICP21	VO19115646
		Alteration; Strong carbonate/hematite/chlorite pervasive and strong pervasive to patchy silicification (75.5m-81.9m) decreasing with strong patchy epidot to stringers,	97.00	98.00	0.00	V469449	0.0005	Au-ICP21	VO19115646
			98.00	99.00	0.00	V469450	0.0050	Au-ICP21	VO19115646
			99.00	100.00	0.00	V469451	0.0010	Au-ICP21	VO19115646
81.90	140.00	EP; CL; CB	100.00	101.00	0.00	V469452	0.0010	Au-ICP21	VO19115646
		Épidotisation; Chloritisation; Carbonatisation	101.00	102.00	0.00	V469453	0.0020	Au-ICP21	VO19115646
		Otherwise Epi/chl/carb moderate to somewhat strong alternating otherwise strong pervasive chlorite, weak carbonate/hematite	102.00	103.00	0.00	V469454	0.0070	Au-ICP21	VO19115646
			103.00	104.00	0.00	V469455	0.0010	Au-ICP21	VO19115646
140.00	141.00	EP	104.00	105.00	0.00	V469457	0.0090	Au-ICP21	VO19115646
		Épidotisation	105.00	106.00	0.00	V469458	0.0030	Au-ICP21	VO19115646
		140m-141m strong pervasive epidit patch	106.00	107.00	0.00	V469459	0.0050	Au-ICP21	VO19115646
			107.00	108.00	0.00	V469460	0.0005	Au-ICP21	VO19115646

76.00	81.90	T1A	108.00	109.00	0.00	V469461	0.0020	Au-ICP21	VO19115646
		Brèche de faille	109.00	110.00	0.00	V469462	0.0020	Au-ICP21	VO19115646
		Structure;. upper unit is intense fractured,, stw 5-7% Carb veinlets.One major fault breccia zone at 76m-81.9m with 40% RQD	110.00	111.00	0.00	V469463	0.0260	Au-ICP21	VO19115646
			111.00	112.00	0.00	V469464	0.0010	Au-ICP21	VO19127451
90.40	90.60	T1A; BX	112.00	113.00	0.00	V469465	0.0005	Au-ICP21	VO19127451
		Brèche de faille; Bréchique	113.00	114.00	0.00	V469466	0.0005	Au-ICP21	VO19127451
		at 90.4m-90.6m at 50 deg tca, 1-2cm bx'd angulare mafic frag's,strongly chlorite altered, with strong epidot patcheed fragments. barren<1% thin mm size syenite injections	114.00	115.00	0.00	V469467	0.0005	Au-ICP21	VO19127451
			115.00	116.00	0.00	V469468	0.0005	Au-ICP21	VO19127451
			116.00	117.00	0.00	V469469	0.0010	Au-ICP21	VO19127451
			117.00	118.00	0.00	V469470	0.0010	Au-ICP21	VO19127451
			118.00	119.00	0.00	V469471	0.0010	Au-ICP21	VO19127451
			119.00	120.00	0.00	V469472	0.0010	Au-ICP21	VO19127451
			120.00	121.00	0.00	V469474	0.0010	Au-ICP21	VO19127451
			121.00	122.00	0.00	V469475	0.0010	Au-ICP21	VO19127451
			122.00	123.00	0.00	V469476	0.0030	Au-ICP21	VO19127451
			123.00	124.00	0.00	V469477	0.0005	Au-ICP21	VO19127451
			124.00	125.00	0.00	V469478	0.0005	Au-ICP21	VO19127451
			125.00	126.00	0.00	V469479	0.0060	Au-ICP21	VO19127451
			126.00	127.00	0.00	V469480	0.0005	Au-ICP21	VO19127451
			127.00	128.00	0.00	V469481	0.0005	Au-ICP21	VO19127451
			128.00	129.00	0.00	V469482	0.0005	Au-ICP21	VO19127451
			129.00	130.00	0.00	V469483	0.0020	Au-ICP21	VO19127451
			130.00	131.00	0.00	V469484	0.0010	Au-ICP21	VO19127451
			131.00	132.00	0.00	V469485	0.0005	Au-ICP21	VO19127451
			132.00	133.00	0.00	V469486	0.0005	Au-ICP21	VO19127451
			133.00	134.00	0.00	V469487	0.0005	Au-ICP21	VO19127451
			134.00	135.00	0.00	V469489	0.0005	Au-ICP21	VO19127451
			135.00	136.00	0.00	V469490	0.0005	Au-ICP21	VO19127451
			136.00	137.00	0.00	V469491	0.0005	Au-ICP21	VO19127451
			137.00	138.00	0.00	V469492	0.0005	Au-ICP21	VO19127451
			138.00	139.00	0.00	V469493	0.0005	Au-ICP21	VO19127451
			139.00	140.00	0.00	V469494	0.0010	Au-ICP21	VO19127451
			140.00	141.00	0.00	V469495	0.0010	Au-ICP21	VO19127451

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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141.00	152.40	V3B; CO Basalte; Coussiné Description; Basalt Color; green bleached epidot, Granulation; fine Texture; pillowed, 170m-171m dissolution Structure; modeate fractured, epi/calcite filled hairline to mm size foliated at 40 deg tca, minor mm size shear around cleavages, barren. 4-5% epidot/calcite veinletts. One 2cm shear at 152.37m-152.4m at 40 deg tca myllonitic, Strong chlorite/carbonate alteration. Barren. Marks up the LC. Alteration; Strong pervasive patchy epidot arond selvages overprinting carbonate rims, strong semipervasive seconadary biotite. Overall weak hematite patches. Mineralization; trace to 0.5% mg diss'd overall with up to 1% fract filling to Py stringers in and epidot/calcite altered selvages (146m-147m , 147m-148m, around 1% mg to fg stringers to fract filling) Contacts; LC is sheared controlled at 40 deg tca.	141.00	142.00	0.00	V469496	0.0030	Au-ICP21	VO19127451
			142.00	143.00	0.00	V469497	0.0100	Au-ICP21	VO19127451
			143.00	144.00	0.00	V469498	0.0330	Au-ICP21	VO19127451
			144.00	145.00	0.00	V469499	0.0010	Au-ICP21	VO19127451
			145.00	146.00	0.00	V469500	0.0010	Au-ICP21	VO19127451
			146.00	147.00	0.00	V469501	0.0005	Au-ICP21	VO19127451
			147.00	148.00	0.00	V469502	0.0030	Au-ICP21	VO19127451
			148.00	149.00	0.00	V469503	0.0070	Au-ICP21	VO19127451
			149.00	150.00	0.00	V469505	0.0010	Au-ICP21	VO19127451
			150.00	151.00	0.00	V469506	0.0005	Au-ICP21	VO19127451
			151.00	152.00	0.00	V469507	0.0005	Au-ICP21	VO19127451

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
152.40	177.20	V3B; CO Basalte; Coussiné Description; Basalt Color; green to patchy epidot bleached Granulation; fine Texture; massive with <20% pillowed flow interlayering. Structure;moderte fractured, 2-3% brecciated unit <10% epidot/calcite filling fractures, to stringersstw 2-3% Carb veinlets.one crackle breccia zone re-activated at 157.82m-159.7m with angular mafic fragments, sericite/epidote felsic altered fragments and carbonatite xenolith one re-activated breccia at 160.6m-161m subangular mafic carbonate altered with intense pervasive epidot/sericite overprinting. 5% carbonatite units pertruding thru at 157m1 cm unit, 163.56m-163.66m, 164m-164.19m with similiar intrusive texture highly calcitic, equigranular to chlorite overprinting altered edges to wall roock. Alteration; Epi/chl/carb moderate to somewhat strong alternating overall with intense pervasive epidot/sericite overprinting where brecciated Epi/chl/carb moderate to somewhat strong alternating.Strong pervasive	152.00	153.00	0.00	V469508	0.0005	Au-ICP21	VO19127451
			153.00	154.00	0.00	V469509	0.0005	Au-ICP21	VO19127451
			154.00	155.00	0.00	V469510	0.0005	Au-ICP21	VO19127451
			155.00	156.00	0.00	V469511	0.0040	Au-ICP21	VO19127451
			156.00	157.00	0.00	V469512	0.0010	Au-ICP21	VO19127451
			157.00	158.00	0.00	V469513	0.0010	Au-ICP21	VO19127451
			158.00	159.00	0.00	V469514	0.0060	Au-ICP21	VO19127451
			159.00	160.00	0.00	V469515	0.0050	Au-ICP21	VO19127451
			160.00	161.00	0.00	V469516	0.0020	Au-ICP21	VO19127451
			161.00	162.00	0.00	V469517	0.0040	Au-ICP21	VO19127451
			162.00	163.00	0.00	V469518	0.0060	Au-ICP21	VO19127451
			163.00	164.00	0.00	V469519	0.0010	Au-ICP21	VO19127451
			164.00	165.00	0.00	V469520	0.0020	Au-ICP21	VO19127451
			165.00	166.00	0.00	V469522	0.0005	Au-ICP21	VO19127451
			166.00	167.00	0.00	V469596	0.0005	Au-ICP21	VO19127454
			167.00	168.00	0.00	V469523	0.0005	Au-ICP21	VO19127451

calcitic where carbonatite. Moderate to strong dark biotite patches . Patchy weak hematite.
 Mneralization; trace to 0.5% mg to cubes diss'd overall with up to 1% fg Py stringers to fract filling around selvages.
 Contacts: LC is gougy fault controlled.

168.00	169.00	0.00	V469524	0.0020	Au-ICP21	VO19127451
169.00	170.00	0.00	V469525	0.0040	Au-ICP21	VO19127451
170.00	171.00	0.00	V469526	0.0010	Au-ICP21	VO19127451
171.00	172.00	0.00	V469527	0.0010	Au-ICP21	VO19127451
172.00	173.00	0.00	V469528	0.0030	Au-ICP21	VO19127451
173.00	174.00	0.00	V469529	0.0110	Au-ICP21	VO19127451
174.00	175.00	0.00	V469530	0.0005	Au-ICP21	VO19127451
175.00	176.00	0.00	V469531	0.0100	Au-ICP21	VO19127451
176.00	177.00	0.00	V469532	0.0020	Au-ICP21	VO19127451

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
177.20	179.20	I2D V3B; AE	177.00	178.00	0.00	V469533	0.0040	Au-ICP21	VO19127451
		Syénite avec 25 à 50% de basalte; Altéré	178.00	179.00	0.00	V469534	0.0020	Au-ICP21	VO19127451
		Description; Syenite with 50% basalt, Color; bleached sericite/epidote Granulation; aphanitic Texture; destroyed Structure; faulted, 10% RQD, broken core most of the interval, Fault at 177.m-179.2m re-activated? breccia with intense sericite bleached, intense fractured, intense brecciated. Matrix is highly sericitic with intense silicified felsic? patches to xenoliths around felsic broken units with strong chlorite/carbonate/hematite due to carbonatite digestion to wall rock. Strong hamatite pathes. Entire unit is a fault zone bx'd to gouge Alteration; Mostly highly sericitic with intense silicified felsic? patches to xenoliths around felsic broken units with strong chlorite/carbonate/hematite due to carbonatite digestion to wall rock. Strong hamatite pathes Mneralization; MNZ is up trace up to 1% mg to fg diss'd subhedral to unhedral to fract filling. Contacts: LC is gougy, fault controlled.							
177.20	179.20	PY01							
		Pyrite 1%							
		Mneralization; MNZ is up trace up to 1% mg to fg diss'd subhedral to unhedral to fract filling.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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179.20	190.80	V3B (I2D); AE Basalte avec 5 à 25% de syénite; Altéré Description; Basalt with <5% syenite Color; sericite/epidot bleached Granulation; aphanitic Texture; destroyed Structure; CB Tectonic zone,entire unit is brecciated, faulted from the previous interval with felsic predominance. Damaged zone from 179.2m-182.7m with 0 RQD 2-3cm broken fractured bx'd core. DW later tectonic phase at 184m-184.5m flat lying shear immediate to carbonatite intrusion. Alteration;Stronger silicification,strong bleached sericification, with bleached epidot/chlorite patches, biotite is present, patchy hematite. protolith is pillow basalt with later thin syenite injections. Mineralization; MNZ up to 1% mg to fg bx'd to shear controlled. Contacts; LC is sharp at 75 deg tca, chilled 6cm syenite with amphibole rims and strong plagioclase calcite altered, carbonate bleached. barren.	179.00	180.00	0.00	V469535	0.0070	Au-ICP21	VO19127451
			180.00	181.00	0.00	V469537	0.0050	Au-ICP21	VO19127451
			181.00	182.00	0.00	V469538	0.0030	Au-ICP21	VO19127451
			182.00	183.00	0.00	V469539	0.0005	Au-ICP21	VO19127451
			183.00	184.00	0.00	V469540	0.0020	Au-ICP21	VO19127451
			184.00	185.00	0.00	V469541	0.0040	Au-ICP21	VO19127451
			185.00	186.00	0.00	V469542	0.0005	Au-ICP21	VO19127451
			186.00	187.00	0.00	V469543	0.0100	Au-ICP21	VO19127451
			187.00	188.00	0.00	V469544	0.0005	Au-ICP21	VO19127451
			188.00	189.00	0.00	V469545	0.0020	Au-ICP21	VO19127451
			189.00	190.00	0.00	V469546	0.0010	Au-ICP21	VO19127451
			190.00	191.00	0.00	V469547	0.0020	Au-ICP21	VO19127451

184.50 184.60 I4Q
Carbonatite
up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py , 1% specularite, mgnt

179.20 190.80 PY01
Pyrite 1%
Mineralization; MNZ up to 1% mg to fg bx'd to shear controlled.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
190.80	236.40	V3B; MA; CO Basalte; Roche massive; Coussiné Description; Basalt with <20% pillowed flow, <2% carbonatites. Color, bleached to green. Granulation; aphanitic to fine Texture, pillow to massive Structure; upper unit is strongly fractured, microbrecciated till around 199m with 1-2% cm sie calcite tension gashes, 1% thin carbonatite units replacing old shear(191.2-191.4 boudinaged amphibole/hematite mixture bluish color alteration). One breccia at 200.35m-200.76, angular amphibol altered fragments to boudinaged, flat lying calcite styliolite, mm size offsets, 199.7m-214.2m. <65% syenite injections, 200.35m-200.76m, 213.4m-214.2m, with strong sericite/epidote edges. 202.6m-203.16m 70% carbonatite intrusive	191.00	192.00	0.00	V469548	0.0050	Au-ICP21	VO19127451
			192.00	193.00	0.00	V469549	0.0020	Au-ICP21	VO19127454
			193.00	194.00	0.00	V469550	0.0560	Au-ICP21	VO19127454
			194.00	195.00	0.00	V469551	0.0050	Au-ICP21	VO19127454
			195.00	196.00	0.00	V469553	0.0030	Au-ICP21	VO19127454
			196.00	197.00	0.00	V469554	0.0010	Au-ICP21	VO19127454
			197.00	198.00	0.00	V469555	0.0005	Au-ICP21	VO19127454
			198.00	199.00	0.00	V469556	0.0030	Au-ICP21	VO19127454
			199.00	200.00	0.00	V469557	0.0030	Au-ICP21	VO19127454
			200.00	201.00	0.00	V469558	0.0020	Au-ICP21	VO19127454
			201.00	202.00	0.00	V469559	0.0010	Au-ICP21	VO19127454

		with mylonitic mm size edges at 50 deg tca. One major shear zone at 213m-216.2m re-activated low intensity breccia? strong boudinage with carbonate/amphibole altered stretto bottle neck fragments protolith mafic? 10% mylonitic bands to patches. mostly at 40 deg tca. One gougy fault t 218.5m-219m. Barren.	202.00	203.00	0.00	V469560	0.0040	Au-ICP21	VO19127454
		MNZ up to 1% mg to fg fract filling Py to Py stringers.	203.00	204.00	0.00	V469561	0.0020	Au-ICP21	VO19127454
		Alteration; strong pervasive to patchy bleached sericite/carbonate with patchy weak silicification, Moderate to strong semipervasive biotite alternating.199m-240m weak to moderate Lx with 1-2% strong epidot/calcite stringers.	204.00	205.00	0.00	V469562	0.0130	Au-ICP21	VO19127454
		Mineralization;MNZ up to 1% overall mg to cubes diss'd. with up to 1% mg to fg fract filling in and around felsic injections.	205.00	206.00	0.00	V469563	0.0020	Au-ICP21	VO19127454
			206.00	207.00	0.00	V469564	0.0030	Au-ICP21	VO19127454
			207.00	208.00	0.00	V469565	0.0030	Au-ICP21	VO19127454
			208.00	209.00	0.00	V469566	0.0040	Au-ICP21	VO19127454
			209.00	210.00	0.00	V469567	0.0005	Au-ICP21	VO19127454
			210.00	211.00	0.00	V469568	0.0005	Au-ICP21	VO19127454
			211.00	212.00	0.00	V469570	0.0010	Au-ICP21	VO19127454
			212.00	213.00	0.00	V469571	0.0020	Au-ICP21	VO19127454
			213.00	214.00	0.00	V469572	0.0010	Au-ICP21	VO19127454
			214.00	215.00	0.00	V469573	0.0210	Au-ICP21	VO19127454
			215.00	216.00	0.00	V469574	0.0020	Au-ICP21	VO19127454
			216.00	217.00	0.00	V469575	0.0050	Au-ICP21	VO19127454
			217.00	218.00	0.00	V469576	0.0005	Au-ICP21	VO19127454
			218.00	219.00	0.00	V469577	0.0080	Au-ICP21	VO19127454
			219.00	220.00	0.00	V469578	0.0020	Au-ICP21	VO19127454
			220.00	221.00	0.00	V469579	0.0040	Au-ICP21	VO19127454
			221.00	222.00	0.00	V469580	0.0020	Au-ICP21	VO19127454
			222.00	223.00	0.00	V469581	0.0010	Au-ICP21	VO19127454
			223.00	224.00	0.00	V469582	0.0020	Au-ICP21	VO19127454
			224.00	225.00	0.00	V469583	0.0120	Au-ICP21	VO19127454
			225.00	226.00	0.00	V469585	0.0005	Au-ICP21	VO19127454
			226.00	227.00	0.00	V469586	0.0010	Au-ICP21	VO19127454
			227.00	228.00	0.00	V469587	0.0005	Au-ICP21	VO19127454
			228.00	229.00	0.00	V469588	0.0005	Au-ICP21	VO19127454
			229.00	230.00	0.00	V469589	0.0005	Au-ICP21	VO19127454
			230.00	231.00	0.00	V469590	0.0020	Au-ICP21	VO19127454
			231.00	232.00	0.00	V469591	0.0005	Au-ICP21	VO19127454
			232.00	233.00	0.00	V469592	0.0020	Au-ICP21	VO19127454
			233.00	234.00	0.00	V469593	0.0005	Au-ICP21	VO19127454
			234.00	235.00	0.00	V469594	0.0005	Au-ICP21	VO19127454
			235.00	236.00	0.00	V469595	0.0005	Au-ICP21	VO19127454
			236.00	236.40	0.00	V469597	0.0120	Au-ICP21	VO19127454
202.60	203.10	I4Q Carbonatite up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py , 1% specularite, mgnt							
190.80	236.40	PY01 Pyrite 1% MNZ up to 1% mg to fg fract filling Py to Py stringers.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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236.40 236.50 CNR
Carotte non récupérée
 GRINDED CORE

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
236.50	240.00	V3B; MA; CO	236.40	237.00	0.00	V469598	0.0005	Au-ICP21	VO19127454
		Basalte; Roche massive; Coussiné	237.00	238.00	0.00	V469599	0.0020	Au-ICP21	VO19127454
		Description; Basalt with <20% pillowed flow, <2% carbonatites.	238.00	239.00	0.00	V469601	0.0020	Au-ICP21	VO19127454
		Color, bleached to green.	239.00	240.00	0.00	V469602	0.0010	Au-ICP21	VO19127454
		Granulation; aphanitic to fine							
		Texture, pillow to massive							
		Structure; upper unit is strongly fractured, microbrecciated till around 199m with 1-2% cm sie calcite tension gashes, 1% thin carbonatite units replacing old shear(191.2-191.4 boudinaged amphibole/hematite mixture bluish color alteration). One breccia at 200.35m-200.76, angular amphibol altered fragments to boudinaged, flat lying calcite styliolite, mm size offsets, 199.7m-214.2m. <65% syenite injections, 200.35m-200.76m, 213.4m-214.2m, with strong sericite/epidote edges. 202.6m-203.16m 70% carbonatite intrusive with mylonitic mm size edges at 50 deg tca. One major shear zone at 213m-216.2m re-activated low intensity breccia? strong boudinage with carbonate/amphibole altered stretto bottle neck fragments protolith mafic? 10% mylonitic bands to patches. mostly at 40 deg tca. One gougy fault t 218.5m-219m. Barren.							
		MNZ up to 1% mg to fg fract filling Py to Py stringers.							
		Alteration; strong pervasive to patchy bleached sericite/carbonate with patchy weak silicification, Moderate to strong semipervasive biotite alternating.199m-240m weak to moderate Lx with 1-2% strong epidot/calcite stringers.							
		Mineralization;MNZ up to 1% overall mg to cubes diss'd. with up to 1% mg to fg fract filling in and around felsic injections.							

236.50 236.60 PY01
Pyrite 1%
 MNZ up to 1% mg to fg fract filling Py to Py stringers.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
240.00	270.70	V3B; MA; VE; CO	240.00	241.00	0.00	V469603	0.0010	Au-ICP21	VO19127454
		Basalte; Roche massive; Vésiculaire; Coussiné	241.00	242.00	0.00	V469604	0.0010	Au-ICP21	VO19127454
		Description; Basalt	242.00	243.00	0.00	V469605	0.0030	Au-ICP21	VO19127454
		color; green	243.00	244.00	0.00	V469606	0.0005	Au-ICP21	VO19127454
		Granulation; fine	244.00	245.00	0.00	V469607	0.0030	Au-ICP21	VO19127454
		Texture; massive with few pillowed flow down to 243m, few vesicles	245.00	246.00	0.00	V469609	0.0005	Au-ICP21	VO19127454
		sections<3-4cm up to 1% of entire unit	246.00	247.00	0.00	V469610	0.0030	Au-ICP21	VO19127454
		Structure; fractured, weakly foliated at 40 deg tca, Fault at 244.2m-244.5m,	247.00	248.00	0.00	V469611	0.0010	Au-ICP21	VO19127454
		gougy, one Qtz.carb vein at 252m-252.3m with up to 6% mg to fg diss'd Py	248.00	249.00	0.00	V469612	0.0020	Au-ICP21	VO19127454
		Fault at 269m-273m gougy, fractured, one fault at 306.3m 306.5m gougy. Up	249.00	250.00	0.00	V469613	0.0020	Au-ICP21	VO19127454
		to 5% carb/epidote stringers to veinlets.CB fault zone?	250.00	251.00	0.00	V469614	0.0030	Au-ICP21	VO19127454
		Alteration. moderate pervasive chlorite/carbonate/hematite with stronger	251.00	252.00	0.00	V469615	0.0030	Au-ICP21	VO19127454
		hematite patches where selvages and around carb veinlets. Epidot is	252.00	253.00	0.00	V469616	0.0110	Au-ICP21	VO19127454
		moderate to strong stringers/fract filling. Weak semipervasive Lx where	253.00	254.00	0.00	V469617	0.0030	Au-ICP21	VO19127454
		massive.	254.00	255.00	0.00	V469618	0.0020	Au-ICP21	VO19127454
		MIneralization: MNZ is trace to 0.5% mg to fg subeuhedral to unhehdral	255.00	256.00	0.00	V469619	0.0010	Au-ICP21	VO19127454
		overall. 250m-250.4m up to 2% mg to fg fract shear controlled. 251.7m-	256.00	257.00	0.00	V469620	0.0005	Au-ICP21	VO19127454
		253m up to 2% mg to fg diss'd subeuhedral to unhehdral.	257.00	258.00	0.00	V469621	0.0005	Au-ICP21	VO19127454
250.00	250.40	PY02	258.00	259.00	0.00	V469622	0.0005	Au-ICP21	VO19127454
		Pyrite 2%	259.00	260.00	0.00	V469623	0.0005	Au-ICP21	VO19127454
		250m-250.4m up to 2% mg to fg fract shear controlled.	260.00	261.00	0.00	V469624	0.0005	Au-ICP21	VO19127454
251.70	253.00	PY02	261.00	262.00	0.00	V469626	0.0005	Au-ICP21	VO19127454
		Pyrite 2%	262.00	263.00	0.00	V469627	0.0005	Au-ICP21	VO19127454
		251.7m-253m up to 2% mg to fg diss'd subeuhedral to unhehdral.	263.00	264.00	0.00	V469628	0.0005	Au-ICP21	VO19127454
244.20	244.50	FJ	264.00	265.00	0.00	V469629	0.0010	Au-ICP21	VO19127454
		Faille	265.00	266.00	0.00	V469630	0.0005	Au-ICP21	VO19127454
		fractured, weakly foliated at 40 deg tca, Fault at 244.2m-244.5m, gougy,	266.00	267.00	0.00	V469631	0.0010	Au-ICP21	VO19127454
269.00	273.00	FJ; FA	267.00	268.00	0.00	V469632	0.0005	Au-ICP21	VO19127454
		Faille; Fracturé(e)	268.00	269.00	0.00	V469633	0.0060	Au-ICP21	VO19127454
		Fault at 269m-273m gougy, fractured,	269.00	270.00	0.00	V469634	0.0050	Au-ICP21	VO19127454
			270.00	270.70	0.00	V469635	0.0010	Au-ICP21	VO19127454

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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270.70 271.30 CNR
 Carotte non récupérée
 LOST CORE

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
271.30	336.35	V3B; GF	271.30	272.00	0.00	V469636	0.0010	Au-ICP21	VO19127454
		Basalte; Grains fins	272.00	273.00	0.00	V469637	0.0020	Au-ICP21	VO19127454
		Description; Basalt	273.00	274.00	0.00	V469638	0.0050	Au-ICP21	VO19127454
		color; green	274.00	275.00	0.00	V469639	0.0005	Au-ICP21	VO19127454
		Granulation; fine	275.00	276.00	0.00	V469641	0.0010	Au-ICP21	VO19127454
		Texture; massive with few pillowed flow down to 243m, few vesicles	276.00	277.00	0.00	V469642	0.0005	Au-ICP21	VO19127454
		sections<3-4cm up to 1% of entire unit	277.00	278.00	0.00	V469643	0.0005	Au-ICP21	VO19127454
		Structure; fractured, weakly foliated at 40 deg tca, Fault at 244.2m-244.5m,	278.00	279.00	0.00	V469644	0.0005	Au-ICP21	VO19127454
		gougy, one Qtz.carb vein at 252m-252.3m with up to 6% mg to fg diss'd Py	279.00	280.00	0.00	V469645	0.0005	Au-ICP21	VO19127454
		Fault at 269m-273m gougy, fractured, one fault at 306.3m 306.5m gougy. Up	280.00	281.00	0.00	V469646	0.0005	Au-ICP21	VO19127454
		to 5% carb/epidote stringers to veinlets	281.00	282.00	0.00	V469647	0.0005	Au-ICP21	VO19127454
		Alteration. moderate pervasive chlorite/carbonate/hematite with stronger	282.00	283.00	0.00	V469648	0.0005	Au-ICP21	VO19127454
		hematite patches where selvages and around carb veinlets. Epidot is	283.00	284.00	0.00	V469649	0.0090	Au-ICP21	VO19127454
		moderate to strong stringers/fract filling. Weak semipervasive Lx where	284.00	285.00	0.00	V469650	0.0010	Au-ICP21	VO19127454
		massive.	285.00	286.00	0.00	V469651	0.0010	Au-ICP21	VO19127454
		MIneralization: MNZ is trace to 0.5% mg to fg subeuhedral to unihedral	286.00	287.00	0.00	V469652	0.0005	Au-ICP21	VO19127454
		overall. 250m-250.4m up to 2% mg to fg fract shear controlled. 251.7m-	287.00	288.00	0.00	V469653	0.0005	Au-ICP21	VO19127454
		253m up to 2% mg to fg diss'd subeuhedral to unihedral.	288.00	289.00	0.00	V469654	0.0005	Au-ICP21	VO19127454
240.00	330.70	HM-CB; CL; CB	289.00	290.00	0.00	V469655	0.0010	Au-ICP21	VO19127454
		Hématite-Carbonate; Chloritisation; Carbonatisation	290.00	291.00	0.00	V469657	0.0005	Au-ICP21	VO19127454
		Alteration. moderate pervasive chlorite/carbonate/hematite with	291.00	292.00	0.00	V469658	0.0020	Au-ICP21	VO19127454
		stronger hematite patches where selvages and around carb veinlets.	292.00	293.00	0.00	V469659	0.0010	Au-ICP21	VO19127454
		Epidot is moderate to strong stringers/fract filling. Weak semipervasive	293.00	294.00	0.00	V469660	0.0020	Au-ICP21	VO19127454
		Lx where massive.	294.00	295.00	0.00	V469661	0.0005	Au-ICP21	VO19127454
306.30	306.50	FJ	295.00	296.00	0.00	V469662	0.0010	Au-ICP21	VO19127454
		Faïlle	296.00	297.00	0.00	V469663	0.0005	Au-ICP21	VO19127454
		one fault at 306.3m 306.5m gougy. Up to 5% carb/epidote stringers to	297.00	298.00	0.00	V469664	0.0010	Au-ICP21	VO19127454
		veinlets	298.00	299.00	0.00	V469665	0.0160	Au-ICP21	VO19127454

299.00	300.00	0.00	V469666	0.0070	Au-ICP21	VO19127454
300.00	301.00	0.00	V469667	0.0030	Au-ICP21	VO19127454
301.00	302.00	0.00	V469668	0.0005	Au-ICP21	VO19127454
302.00	303.00	0.00	V469669	0.0005	Au-ICP21	VO19127454
303.00	304.00	0.00	V469670	0.0005	Au-ICP21	VO19127454
304.00	305.00	0.00	V469671	0.0005	Au-ICP21	VO19127454
305.00	306.00	0.00	V469672	0.0005	Au-ICP21	VO19127457
306.00	307.00	0.00	V469674	0.0450	Au-ICP21	VO19127457
307.00	308.00	0.00	V469675	0.0220	Au-ICP21	VO19127457
308.00	309.00	0.00	V469676	0.0040	Au-ICP21	VO19127457
309.00	310.00	0.00	V469677	0.0010	Au-ICP21	VO19127457
310.00	311.00	0.00	V469678	0.0010	Au-ICP21	VO19127457
311.00	312.00	0.00	V469679	0.0005	Au-ICP21	VO19127457
312.00	313.00	0.00	V469680	0.0040	Au-ICP21	VO19127457
313.00	314.00	0.00	V469681	0.0280	Au-ICP21	VO19127457
314.00	315.00	0.00	V469682	0.0005	Au-ICP21	VO19127457
315.00	316.00	0.00	V469683	0.0005	Au-ICP21	VO19127457
316.00	317.00	0.00	V469684	0.0080	Au-ICP21	VO19127457
317.00	318.00	0.00	V469685	0.0030	Au-ICP21	VO19127457
318.00	319.00	0.00	V469686	0.0010	Au-ICP21	VO19127457
319.00	320.00	0.00	V469687	0.0040	Au-ICP21	VO19127457
320.00	321.00	0.00	V469689	0.0010	Au-ICP21	VO19127457
321.00	322.00	0.00	V469690	0.0005	Au-ICP21	VO19127457
322.00	323.00	0.00	V469691	0.0005	Au-ICP21	VO19127457
323.00	324.00	0.00	V469692	0.0020	Au-ICP21	VO19127457
324.00	325.00	0.00	V469693	0.0040	Au-ICP21	VO19127457
325.00	326.00	0.00	V469694	0.0050	Au-ICP21	VO19127457
326.00	327.00	0.00	V469695	0.0030	Au-ICP21	VO19127457
327.00	328.00	0.00	V469696	0.0300	Au-ICP21	VO19127457
328.00	329.00	0.00	V469697	0.0840	Au-ICP21	VO19127457
329.00	330.00	0.00	V469698	0.0310	Au-ICP21	VO19127457
330.00	331.00	0.00	V469699	0.0560	Au-ICP21	VO19127457
331.00	332.00	0.00	V469700	0.1280	Au-ICP21	VO19127457
332.00	333.00	0.00	V469701	0.0490	Au-ICP21	VO19127457
333.00	334.00	0.00	V469702	0.0110	Au-ICP21	VO19127457
334.00	335.00	0.00	V469703	0.0120	Au-ICP21	VO19127457
335.00	336.00	0.00	V469705	0.0200	Au-ICP21	VO19127457

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
336.35	343.30	V3B I2D; CO; MA Basalte avec 25 à 50% de syénite; Coussiné; Roche massive Description; Basalt with ~35% syenite digestion Color; green to dk pink redish Granulation; fine to aphanitic Texture; mixture of fine grain massive basalt to pillowed sericite altered wide spaced selvages flows Structure; fractured unit with up to 10% epi/cal filled hairline to mm size fractures erratic, 20% of the unit microbreccia in and around SYE injections.<3% carbonatite thin(up to 1cm) intrusives thru. DW fault zone; One crackled breccia at 337.17m-337.38m immediate to mylonitic felsic injection at 55 deg tca.stronger silicification matrix, otherwise chl/carb/hem pervasve with strong semipervaisve to sericite stringers to granulation edges flakes. 338.1-338.15 bx'd breccia unit. One brecciated zone at 339.4m-339.6m felsic angular to subangular fragments, red carbonate/hematite felsic patches , chlorite altered matr. One 1cm flat lying felsic injection with mylonitic edges and mnz up to 10% mg to fg subhedral to unihedral overprinting carbonate/hematite. Blue amphibole/sericite mylonitic edges.Marks up LC Alteration; Strong carbonate/hematite/chlorite pervasive patches, epidote stringers to strong epi patches around selvages, moderate semipervasive sericite to stringers/fracture filling, patches of moderate semipervasive LX where massive.Strong silicification patches in and around breccia. 337.4m-337.7m amphibole/ bio altered unit. Mineralization: Up to 0.5% mg to fg diss'd Py subehuidral Py overall with up to 10 % mg to fg subhedral to unihedral overprinting carbonate/hematite. Blue amphibole/sericite mylonitic edges, locally Contacts: LC is sheared at 20 deg tca with up to 10% mg to fg diss'd Py.	336.00	337.00	0.00	V469706	0.0960	Au-ICP21	VO19127457
			337.00	338.00	0.00	V469707	0.0630	Au-ICP21	VO19127457
			338.00	339.00	0.00	V469708	0.0810	Au-ICP21	VO19127457
			339.00	340.00	0.00	V469709	0.0240	Au-ICP21	VO19127457
			340.00	341.00	0.00	V469710	0.0140	Au-ICP21	VO19127457
			341.00	342.00	0.00	V469711	0.0030	Au-ICP21	VO19127457
			342.00	343.00	0.00	V469712	0.0030	Au-ICP21	VO19127457
336.30	343.30	HM-CB; CL; EP Hématite-Carbonate; Chloritisation; Épidotisation Alteration; Strong carbonate/hematite/chlorite pervasive patches, epidote stringers to strong epi patches around selvages, moderate semipervasive sericite to stringers/fracture filling, patches of moderate semipervasive LX where massive.Strong silicification patches in and around breccia. 337.4m-337.7m amphibole/ bio altered unit.							
343.25	343.30	PY10 Pyrite 10% One 1cm flat lying felsic injection with mylonitic edges and mnz up to 10% mg to fg subhedral to unihedral overprinting carbonate/hematite.							

Blue amphibole/sericite myllonitic edges.Marks up LC

337.17 337.38 T1A

Brèche de faille

Structure; fractured unit with up to 10% epi/cal filled hairline to mm size fractures erratic, 20% of the unit microbreccia in and around SYE injections.<3% carbonatite thin(up to 1cm) intrusives thru. One crackled breccia at 337.17m-337.38m immediate to

338.10 338.15 T1A

Brèche de faille

338.1-338.15 bx'd breccia unit.

339.40 339.60 T1A; BX

Brèche de faille; Bréchique

One brecciated zone at 339.4m-339.6m felsic angular to subangular fragments, red carbonate/hematite felsic patches , chlorite altered matrix.One 1cm flat lying felsic injection with myllonitic edges and mnz up to 10% mg to fg subhedral to unhedral overprint

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
343.30	356.44	V3B (I2D); S10; LP; BX	343.00	344.00	0.00	V469713	0.0340	Au-ICP21	VO19127457
		Basalte avec 5 à 25% de syénite; Chert; Laminations parallèles; Brèche	344.00	345.00	0.00	V469714	0.1120	Au-ICP21	VO19127457
		DEscription;V3B intercalated with 10-20% finely laminated	345.00	346.00	0.00	V469715	0.0270	Au-ICP21	VO19127457
		Chert.(Mineralized Zone)	346.00	347.00	0.00	V469716	0.0090	Au-ICP21	VO19127457
		Color: dk green to sericite bleached with redish to pink patches	347.00	348.00	0.00	V469717	0.0310	Au-ICP21	VO19127457
		Granulation; aphanitic	348.00	349.00	0.00	V469718	0.0140	Au-ICP21	VO19127457
		Texture; destroyed to laminated	349.00	350.00	0.00	V469719	0.0050	Au-ICP21	VO19127457
		Structure;brecciated uit with <20% laminated chert fractured. Entire interval	350.00	351.00	0.00	V469720	0.0770	Au-ICP21	VO19127457
		classifies as fault breccia.angular chert/basalt fragments with intese silicieous	351.00	352.00	0.00	V469722	0.0240	Au-ICP21	VO19127457
		cement.1-2% fragments to xenoliths of carbonatite/pinkish	352.00	353.00	0.00	V469723	0.0130	Au-ICP21	VO19127457
		carbonate/hematite sye injections.350.9m-351.15m massive, black, fine-	353.00	354.00	0.00	V469724	0.0210	Au-ICP21	VO19127457
		grained Mgt+mudstone. 356.35m-356.7m – strong Ep+Hem alteration –	354.00	355.00	0.00	V469725	0.0130	Au-ICP21	VO19127457
		syenite injections.350.5-353.5 – a 1-3 cm wide fault zone with irregular	355.00	356.00	0.00	V469726	0.0520	Au-ICP21	VO19127457
		fractures along the core axis at 0-5 tca minor brecciation. Fractures are filled							
		by Cal, Chl and Hem and crosscut laminations with mm-cm displacements.							
		Alteration; strong pervasive chlorite patches in baslat unit,strong patchy to							
		epidot stringers, brown-red patchy Hem (syenite injections); patchy							
		magnetite. Intense siliceous chert to breccia cement., few mm size flooding							
		thru.							
		Mineralization: traces to 2-5% Py fine diss grains, fine to med-grained Py,							
		rusty, to fract filling, along laminations in chert. 2-5% specularite diss'd.							

343.30 356.40 PY02
Pyrite 2%
 Mineralization: traces to 2-5% Py fine diss grains, fine to med-grained Py, rusty, to fract filling, along laminations in chert. 2-5% specularite diss'd.

350.50 353.50 FJ
Faille
 Structure;brecciated uit with <20% laminated chert fractured. Entire interval classifies as fault breccia.angular chert/basalt fragments with intese silicieous cement.1-2% fragments to xenoliths of carbonate/pinkish carbonate/hematite sye injections.350

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
356.44	362.30	I2D V3B; AE Syénite avec 25 à 50% de basalte; Altéré	356.00	357.00	0.00	V469727	0.0310	Au-ICP21	VO19127457
		Description;Syenite with 50% basalt	357.00	358.00	0.00	V469728	0.0570	Au-ICP21	VO19127457
		Color; pink to redish	358.00	359.00	0.00	V469729	0.0760	Au-ICP21	VO19127457
		Granulation;aphanitic	359.00	360.00	0.00	V469730	0.0310	Au-ICP21	VO19127457
		Texture;destroyed with few fine grain sections	360.00	361.00	0.00	V469731	0.0300	Au-ICP21	VO19127457
		Structure;fractured unit, sericite/silicia filled farctures <1% one shear at 360.6m-360.66m at 35 deg tca mm size myllonitic edges.360.1m-360.3m one sye injections.	361.00	362.00	0.00	V469732	0.0210	Au-ICP21	VO19127457
		Alteration; srong carbonate/hematite/chorite pervasie patches with strong calcite plagi altered semipervasive, strong silicification patches decreasing. 361.3m-362.8m basalt with intercalating with <5% laminated chert, intensecal filled fracturing.							
		Mineralization: up to 5% mg to vfg diss'd to fract filling Py unehidral, 2-% specularite.							
		Contacts; LC is graditional							
356.40	362.30	Si; HM-CB; CL Silicification; Hématite-Carbonate; Chloritisation							
		Alteration; srong carbonate/hematite/chorite pervasie patches with strong calcite plagi altered semipervasive, strong silicification patches decreasing. 361.3m-362.8m basalt with intercalating with <5% laminated chert, intensecal filled fracturing.							
356.40	362.30	PY02; HS02 Pyrite 2%; Spécularite 2%							
		Mineralization: up to 5% mg to vfg diss'd to fract filling Py unehidral, 2-% specularite.							

360.60 360.66 CS; FJ

Cisaillé(e); Faille

Structure;fractured unit, sericite/silicia filled farctures <1% one shear at 360.6m-360.66m at 35 deg tca mm size myllonitic edges.360.1m-360.3m one sye injections.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
362.30	380.50	V1; AE	362.00	363.00	0.00	V469733	0.0240	Au-ICP21	VO19127457
		Volcanique felsique non divisé; Altéré	363.00	363.50	0.00	V469734	0.0320	Au-ICP21	VO19127457
		DEscription; Dacite, (rhyodacite)sericite	363.50	364.50	0.00	V469735	0.0710	Au-ICP21	VO19127457
		Color; bleached, with hem'd redish sye due to sye injcetions	364.50	365.00	0.00	V469737	0.1070	Au-ICP21	VO19127457
		Granulation fine to destroyed, with few plg phenocrysts, subeuhidral mm size. Matrix is fine felsic granulation	365.00	366.00	0.00	V469738	0.0620	Au-ICP21	VO19127457
		Texture; aphanitic, to faint porphyritic	366.00	367.00	0.00	V469739	0.3080	Au-ICP21	VO19127457
		Structure; weakly foliated at 40 deg tca only in matrix, with moderate fracturing around fine granulation SYE injections, good alignment in mafic volcs/sericite layer/schists?, fg Py stringers filled overprinting specularite/ chlorite mafic alteration.otherwise strong silica filled frctures. Up to 5% SYE injection at 366.15m-367mm with up to 3% mg to fg diss;d Py, 373.9m-375m up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py , 1% specularite, mgnt. .	367.00	368.00	0.00	V469740	0.0640	Au-ICP21	VO19127457
		Alteration; mostly ser/sil pervasive with moedrate hematite patches in and around SYE injects.otherwise moderate to strong pervasive atered carbonate, Mineralization; . MNZ up to 0.5% rusty Py subeuhidral.(one interval at 373.8m-375m V3B with <25% felsic unit, mnz at 2% mg to fg diss'd to fract filling) 366.15m-367mm with up to 3% mg to fg diss;d , 373.9m-375m up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py , 1% specularite, mgnt	368.00	369.00	0.00	V469741	0.0630	Au-ICP21	VO19127457
		Contacts; LC is sheared at 65 deg tca ~ 5cm thick immediate to breccia with cm size strong silica banding, amphibole/chlorite altered feldpsar stretched to boudinaged.	369.00	370.00	0.00	V469742	0.0300	Au-ICP21	VO19127457
			370.00	371.00	0.00	V469743	0.0310	Au-ICP21	VO19127457
			371.00	372.00	0.00	V469744	0.0330	Au-ICP21	VO19127457
			372.00	373.00	0.00	V469745	0.0005	Au-ICP21	VO19127457
			373.00	374.00	0.00	V469746	0.0050	Au-ICP21	VO19127457
			374.00	375.00	0.00	V469747	0.3610	Au-ICP21	VO19127457
			375.00	376.00	0.00	V469748	0.0260	Au-ICP21	VO19127457
			376.00	377.00	0.00	V469749	0.0060	Au-ICP21	VO19127457
			377.00	378.00	0.00	V469750	0.0110	Au-ICP21	VO19127457
			378.00	379.00	0.00	V469751	0.0930	Au-ICP21	VO19127457
			379.00	380.00	0.00	V469753	0.0630	Au-ICP21	VO19127457
			380.00	380.50	0.00	V469754	0.0930	Au-ICP21	VO19127457
363.80	365.00	V3B (I2D)							
		Basalte avec 5 à 25% de syénite							
		up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py , 1% specularite, mgnt							
373.90	375.00	I2D (V3B)							
		Syénite avec 5 à 25% de basalte							
		up to 60% SYE injections with up to 10% fg to vfg diss'd unehidral to fract filling Py , 1% specularite, mgnt							
362.30	380.50	SR; Si							
		Séricitisation; Silicification							

Alteration; mostly ser/sil pervasive with moderate hematite patches in and around SYE injects. otherwise moderate to strong pervasive plagioclase altered carbonate,

366.15 367.00 PY03

Pyrite 3%

366.15m-367mm with up to 3% mg to fg diss;d ,

373.80 375.00 PY02; HS

Pyrite 2%; Spécularite

Mineralization; . MNZ up to 0.5% rusty Py subehidral.(one interval at 373.8m-375m V3B with <25% felsic unit, mnz at 2% mg to fg diss'd to fract filling)

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
380.50	394.20	V3B I2D; AE	380.50	381.50	0.00	V469755	0.0620	Au-ICP21	VO19127457
		Basalte avec 25 à 50% de syénite; Altéré	381.50	382.50	0.00	V469756	0.0850	Au-ICP21	VO19127457
		Description; V3B-I2D(25%), Mineralized Zone (target area)	382.50	383.50	0.00	V469757	0.0690	Au-ICP21	VO19127457
		color; green to dk grey , redish hem'd patches	383.50	384.50	0.00	V469758	0.0030	Au-ICP21	VO19127457
		Granulation; fine	384.50	385.50	0.00	V469759	0.0020	Au-ICP21	VO19127457
		Texture; fine to destroyed, <2% dissolution texture	385.50	386.50	0.00	V469760	0.0050	Au-ICP21	VO19127457
		Structure; strongly fractured, calcite filling when mafic, with silica filled in and around felsic, with <10% brecciated sections(386.5-386.6m, fault breccia at 389.25m-391.8m, 80% broken core, strong carbonate/sericite/with strong chlorite patches.to band. strong carboante/hematite patches to bands) , silica matrix,	386.50	387.50	0.00	V469761	0.0270	Au-ICP21	VO19127457
		Alteration strong sil'd patches to flooding, otherwise strong carb/hem/sil with strong sericite/silicification overall.	387.50	388.50	0.00	V469762	0.7550	Au-ICP21	VO19127457
		Mineralization; MNZ up to 5% mg to vfg diss'd fract filling subehidral to unhedral, overall Trace to 0.5% Cpy.	388.50	389.50	0.00	V469763	0.0170	Au-ICP21	VO19127457
		Contacts; LC is graditional.mnz up to 2% mg to fg diss'd Py, specualrite traces.	389.50	390.50	0.00	V469764	0.0320	Au-ICP21	VO19127457
			390.50	391.50	0.00	V469765	0.0240	Au-ICP21	VO19127457
			391.50	392.00	0.00	V469766	0.0010	Au-ICP21	VO19127457
			392.00	393.00	0.00	V469767	0.0130	Au-ICP21	VO19127457
			393.00	394.00	0.00	V469768	0.2600	Au-ICP21	VO19127457
380.50	394.20	Si; HM-CB; SR							
		Silicification; Hématite-Carbonate; Séricitisation							
		Alteration strong sil'd patches to flooding, otherwise strong carb/hem/sil with strong sericite/silicification overall.							
380.50	394.20	PY05							
		Pyrite 5%							
		Mineralization; MNZ up to 5% mg to vfg diss'd fract filling subehidral to unhedral, overall Trace to 0.5% Cpy.							
386.50	391.80	BX; T1A							

Bréchique; Brèche de faille

Structure; strongly fractured, calcite filling when mafic, with silicia filled in and around felsic, with <10% brecciated sections(386.5-386.6m, fault breccia at 389.25m-391.8m, 80% broken core, strong carbonate/sericite/with strong chlorite patches.to ba

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
394.20	400.11	V1; GF Volcanique felsique non divisé; Grains fins Description;Dacite, (rhyodacite Color;sericite bleached, Granulation;with few qtz and striated feldspar, Texture; aphanitic, Structure; rare biotite chl altered.weakly foliated at 40 deg tca, with moderate fracturing with strong silica filled frctures. Alteration; strong pervasive ser/carb bleaching with moderate to strong silicification patches. Mineralization; MnZ up to 1% at best mg subhedral diss'd to rare fract filling. Contacts; LC is sharp at 55 deg tca	394.00	395.00	0.00	V469770	0.1050	Au-ICP21	VO19127457
			395.00	396.00	0.00	V469771	0.0090	Au-ICP21	VO19127457
			396.00	397.00	0.00	V469772	0.0690	Au-ICP21	VO19127457
			397.00	398.00	0.00	V469773	0.1110	Au-ICP21	VO19127457
			398.00	399.00	0.00	V469774	0.0270	Au-ICP21	VO19127457
			399.00	400.00	0.00	V469775	0.0440	Au-ICP21	VO19127457
394.20	400.11	SR; CB; Si Séricitisation; Carbonatisation; Silicification Alteration; strong pervasive ser/carb bleaching with moderate to strong silicification patches.							
394.20	400.11	PY01 Pyrite 1% Mineralization; MnZ up to 1% at best mg subhedral diss'd to rare fract filling.							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
400.11	417.00	I2D; GM; PO Syénite; Grains moyens; Porphyrique Description; Syenite(Quartz syenite) Color; pink Granulation; medium feldspar phenos/qyz at 70/30 ratio Texture; porphyritic Structure; weakly fractured with <1% flat lying to 20 deg tca sil'd filled fractures,weakly foliated Alteration; semipervasive sericite to intergranular flakes, carbonate/sericite	400.00	401.00	0.00	V469776	0.0080	Au-ICP21	VO19127457
			401.00	402.00	0.00	V469777	0.0040	Au-ICP21	VO19127457
			402.00	403.00	0.00	V469778	0.0060	Au-ICP21	VO19127457
			403.00	404.00	0.00	V469779	0.0680	Au-ICP21	VO19127457
			404.00	405.00	0.00	V469780	0.0080	Au-ICP21	VO19127457
			405.00	406.00	0.00	V469781	0.0005	Au-ICP21	VO19127457
			406.00	407.00	0.00	V469782	0.0180	Au-ICP21	VO19127457

weak silicification.
Mineralization; up to 0.5% mg subehudral Py diss'd
E.O. H

400.11 417.00 SR; CB

Séricitisation; Carbonatisation

Alteration; semipervasive sericite to intergranular flakes,
carbonate/sericite weak silicification.

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	12.10	-48.20	Collar	78.00	12.30	-47.80	Reflex EZ-Gyro	138.00	12.39	-47.38	Reflex EZ-Gyro
168.00	14.10	-47.30	Reflex EZ-Gyro	198.00	13.50	-47.10	Reflex EZ-Gyro	228.00	13.80	-46.74	Reflex EZ-Gyro
258.00	15.50	-46.60	Reflex EZ-Gyro	288.00	14.70	-46.70	Reflex EZ-Gyro	318.00	15.03	-46.52	Reflex EZ-Gyro
348.00	16.40	-46.20	Reflex EZ-Gyro	378.00	16.80	-45.90	Reflex EZ-Gyro	414.00	16.60	-45.30	Reflex EZ-Gyro

Drillhole Information

Easting: 705142.00
Northing: 5491377.00
Elevation: 286.00
Azimuth 360.00
Dip -50.00

Drilling Information

DrillCo: Orbit Garant
DrillID: SH-81
DrillStart: 11-Apr-19
DrillEnd: 22-Apr-19
Length (m): 651.00

Logging Information

LogBy: A. Peshkepia (OGQ #2143)
LogStart: 12-Apr-19
LogEnd: 22-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

This drillhole after 46.4 meters of overburden intersected sheared and altered basalt contaminated syenite down to 120.22m.

It intersected up to 10% pyrite mineralization from 59 to 63m.

From 122.22 to 263m this hole intersected a massive medium grained syenite followed by a thick mineralized brecciated syenite interval from 263 to 366m.

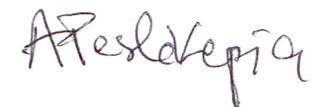
The second mineralized section was intersected in a basalt syenite mix interval from 484.9 to 539m following a medium to coarse grained porphyritic syenite.

A third mineralized interval was intersected between 567 and 585m with an altered fine grained syenite section.

The bottom part of this drillhole intersected a mix of felsic volcanics and intermediate to felsic lapilli tuff intervals down to the end of the hole at 651m.

Results:

66 - 67 m: 0.275 ppm Au/1 m	71 - 72 m: 1.205 ppm Au/1 m
128 - 129 m: 0.778 ppm Au/1 m	209 - 212 m: 0.274 ppm Au/3 m
215 - 219 m: 0.393 ppm Au/4 m	257 - 260 m: 0.555 ppm Au/3 m
263 - 264 m: 0.582 ppm Au/1 m	368 - 371 m: 0.286 ppm Au/3 m
380 - 381 m: 0.265 ppm Au/1 m	383 - 384 m: 0.594 ppm Au/1 m
422 - 448 m: 0.637 ppm Au/26 m	461 - 469 m: 0.377 ppm Au/8 m
477 - 480 m: 0.242 ppm Au/3 m	512 - 518 m: 0.414 ppm Au/6 m
536 - 628 m: 0.507 ppm Au/92 m	



A. Peshkepia (OGQ #2143)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	46.40	M-T Mort terrain Overburden							
46.40	74.90	I2D V3B Syénite avec 25 à 50% de basalte Reddish-brown, light to dark grey with greenish beige sections strongly deformed sheared and locally brecciated mix of syenite and basalt. 50/50 mix of fine grained syenite and dark grey basalt locally with leucoxene overprint as meter long intervals. Both rock types have been strongly altered, silicified, locally bleached. Dark reddish-brown hematite over the syenite intervals and pervasive carbonate alteration mainly on the basaltic sections. Few carbonatite veins 5-20cm from 71 to 77.5m. Foliation between 10 degrees at 62m, 30 degrees at 64.5 and and 50 degrees tca at 74m. Moderately magnetic from 72 to 73m.	46.40	47.10	0.00	A0101017	0.0100	Au-ICP21	VO19127426
			47.10	48.00	0.00	A0101018	0.0090	Au-ICP21	VO19127426
			48.00	49.00	0.00	A0101019	0.0140	Au-ICP21	VO19127426
			49.00	50.00	0.00	A0101020	0.0110	Au-ICP21	VO19127426
			50.00	51.00	0.00	A0101021	0.0110	Au-ICP21	VO19127426
			51.00	52.00	0.00	A0101022	0.0070	Au-ICP21	VO19127426
			52.00	53.00	0.00	A0101023	0.0060	Au-ICP21	VO19127426
			53.00	54.00	0.00	A0101024	0.0080	Au-ICP21	VO19127426
			54.00	55.00	0.00	A0101026	0.0060	Au-ICP21	VO19127426
			55.00	56.00	0.00	A0101027	0.0040	Au-ICP21	VO19127426
			56.00	57.00	0.00	A0101028	0.0050	Au-ICP21	VO19127426
46.40	78.00	CB; Si Carbonatisation; Silicification Pervasive carbonate alteration mainly in basaltic sections and pervasive silicification on both syenite and basaltic intervals.	57.00	58.00	0.00	A0101029	0.0020	Au-ICP21	VO19127426
			58.00	59.00	0.00	A0101030	0.0040	Au-ICP21	VO19127426
			59.00	60.00	0.00	A0101031	0.0060	Au-ICP21	VO19127426
			60.00	61.00	0.00	A0101032	0.0080	Au-ICP21	VO19127426
46.40	54.00	PY Pyrite 2-3% finely disseminated pyrite.	61.00	62.00	0.00	A0101033	0.0080	Au-ICP21	VO19127426
			62.00	63.00	0.00	A0101034	0.0430	Au-ICP21	VO19127426
			63.00	64.00	0.00	A0101035	0.0160	Au-ICP21	VO19127426
54.00	63.00	PY10 Pyrite 10% Up to 10% pyrite in sheared interval as fine dissemination and veinlets and cm size aggregates along foliation planes	64.00	65.00	0.00	A0101036	0.0090	Au-ICP21	VO19127426
			65.00	66.00	0.00	A0101037	0.0080	Au-ICP21	VO19127426
			66.00	67.00	0.00	A0101038	0.2750	Au-ICP21	VO19127426
			67.00	68.00	0.00	A0101039	0.0090	Au-ICP21	VO19127426
			68.00	69.00	0.00	A0101041	0.0180	Au-ICP21	VO19127426
			69.00	70.00	0.00	A0101042	0.0120	Au-ICP21	VO19127426
			70.00	71.00	0.00	A0101043	0.0550	Au-ICP21	VO19127426

66.00	69.50	PY05	71.00	72.00	0.00	A0101044	1.2050	Au-ICP21	VO19127426
		Pyrite 5%	72.00	73.00	0.00	A0101045	0.0290	Au-ICP21	VO19127426
		5-8% finely disseminated pyrite and subcm size blebs and veinlets in a sheared and brecciated mix of altered syenite and basalt.	73.00	74.00	0.00	A0101046	0.0220	Au-ICP21	VO19127426
			74.00	75.00	0.00	A0101047	0.0040	Au-ICP21	VO19127426

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
74.90	120.22	I2D V3B	75.00	76.00	0.00	A0101048	0.0020	Au-ICP21	VO19127426
		Syénite avec 25 à 50% de basalte	76.00	77.00	0.00	A0101049	0.0020	Au-ICP21	VO19127426
		Strongly altered and deformed mix of basalt and syenite. Dark greenish-grey with pinkish mauve sections More basaltic component than the previous interval. Sheared over meter long intervals. Pervasive carbonate alteration. 1-5mm chlorite veinlets along foliation planes. Spotty epidote, silicified and bleached sections. Vuggy and pitted carbonate veins from 96 to 110m. Pyrite throughout from 84 to 101m as fine dissemination and subcm size blebs and aggregates mainly along sheared intervals from 88.14 to 88.87, 93 to 94.2 and 99.5 to 101.2m. Syenite sections contain very fine disseminated 3-4% pyrite as from 107 to 109m.	77.00	78.00	0.00	A0101050	0.0020	Au-ICP21	VO19127426
			78.00	79.00	0.00	A0101051	0.0010	Au-ICP21	VO19127426
			79.00	80.00	0.00	A0101052	0.0020	Au-ICP21	VO19127426
			80.00	81.00	0.00	A0101053	0.0020	Au-ICP21	VO19127426
			81.00	82.00	0.00	A0101054	0.0010	Au-ICP21	VO19127426
			82.00	83.00	0.00	A0101055	0.0050	Au-ICP21	VO19127426
			83.00	84.00	0.00	A0101057	0.0030	Au-ICP21	VO19127426
			84.00	85.00	0.00	A0101058	0.0040	Au-ICP21	VO19127426
			85.00	86.00	0.00	A0101059	0.0040	Au-ICP21	VO19127426
78.00	125.50	CB; CL; Si	86.00	87.00	0.00	A0101060	0.0030	Au-ICP21	VO19127426
		Carbonatisation; Chloritisation; Silicification	87.00	88.00	0.00	A0101061	0.0060	Au-ICP21	VO19127426
		Pervasive carbonate alteration and as fracture filling veinlets and 2-5cm veins. Chloritisation developed over the more mafic intervals and silicification and bleaching over the predominantly syenitic sections.	88.00	89.00	0.00	A0101062	0.0050	Au-ICP21	VO19127426
			89.00	90.00	0.00	A0101063	0.0005	Au-ICP21	VO19127426
			90.00	91.00	0.00	A0101064	0.0010	Au-ICP21	VO19127426
84.00	96.50	PY03	91.00	92.00	0.00	A0101065	0.0005	Au-ICP21	VO19127426
		Pyrite 3%	92.00	93.00	0.00	A0101066	0.0005	Au-ICP21	VO19127426
		Disseminated pyrite and locally subcm blebs and veinlets over short intervals. Overall 3% py locally 4%.	93.00	94.00	0.00	A0101067	0.0005	Au-ICP21	VO19127426
			94.00	95.00	0.00	A0101068	0.0005	Au-ICP21	VO19127426
99.50	109.00	PY02	95.00	96.00	0.00	A0101069	0.0005	Au-ICP21	VO19127426
		Pyrite 2%	96.00	97.00	0.00	A0101070	0.0005	Au-ICP21	VO19127426
		Finely disseminated pyrite along sheared planes on more mafic sections and superfinely disseminated on the syenitic intervals.	97.00	98.00	0.00	A0101071	0.0005	Au-ICP21	VO19127426
			98.00	99.00	0.00	A0101072	0.0020	Au-ICP21	VO19127426
88.14	88.87	CS	99.00	100.00	0.00	A0101074	0.0005	Au-ICP21	VO19127426
		Cisaillé(e) 40°	100.00	101.00	0.00	A0101075	0.0005	Au-ICP21	VO19127426
		Strongly sheared laminated and bleached syenite interval at 40 degrees tca.	101.00	102.00	0.00	A0101076	0.0005	Au-ICP21	VO19127426
			102.00	103.00	0.00	A0101077	0.0005	Au-ICP21	VO19127426
90.85	91.60	CS	103.00	104.00	0.00	A0101078	0.0010	Au-ICP21	VO19127426
		Cisaillé(e) 25°	104.00	105.00	0.00	A0101079	0.0005	Au-ICP21	VO19127426
		Sheared mix of syenite and basaltic section chlorite and carbonate veinlets along the shear planes at 25 to 30 degrees tca with trace py.	105.00	106.00	0.00	A0101080	0.0005	Au-ICP21	VO19127426
			106.00	107.00	0.00	A0101081	0.0005	Au-ICP21	VO19127426

96.00	98.00	CS	25	107.00	108.00	0.00	A0101082	0.0030	Au-ICP21	VO19127426
		Cisaillé(e) 25°		108.00	109.00	0.00	A0101083	0.0050	Au-ICP21	VO19127426
		Dark greenish-mauve sheared and altered basalt syenite mix at 25-30 degrees tca.		109.00	110.00	0.00	A0101084	0.0020	Au-ICP21	VO19127426
				110.00	111.00	0.00	A0101085	0.0010	Au-ICP21	VO19127426
				111.00	112.00	0.00	A0101086	0.0030	Au-ICP21	VO19127426
				112.00	113.00	0.00	A0101087	0.0050	Au-ICP21	VO19127426
				113.00	114.00	0.00	A0101089	0.0030	Au-ICP21	VO19127426
				114.00	115.00	0.00	A0101090	0.0010	Au-ICP21	VO19127426
				115.00	116.00	0.00	A0101091	0.0005	Au-ICP21	VO19127426
				116.00	117.00	0.00	A0101092	0.0040	Au-ICP21	VO19127426
				117.00	118.00	0.00	A0101093	0.0020	Au-ICP21	VO19127426
				118.00	119.00	0.00	A0101094	0.0030	Au-ICP21	VO19127426
				119.00	120.00	0.00	A0101095	0.0050	Au-ICP21	VO19127426

From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate
120.22	139.00	I2D Syénite Reddish-brown to light grey to beige in the upper half equigranular medium grained syenite. Strongly deformed, sheared and brecciated from the upper contact to 128.07m. This deformed section contains 10-20% basalt with leucoxene overprint. Strongly altered. Silicified, bleached. minor carbonate alteration on the basaltic component. Foliation at 35 degrees tca. Trace pyrite. From 128.07m to the lower contact brownish-grey equigranular medium to coarse grained altered syenite. 2% pyrite from 128 to 129.5m. From 137 to 139m moderate fracturing, blocky core.		120.00	121.00	0.00	A0101096	0.0050	Au-ICP21	VO19127426
				121.00	122.00	0.00	A0101097	0.0050	Au-ICP21	VO19127426
				122.00	123.00	0.00	A0101098	0.0140	Au-ICP21	VO19127426
				123.00	124.00	0.00	A0101099	0.0005	Au-ICP21	VO19127426
				124.00	125.00	0.00	A0101100	0.0010	Au-ICP21	VO19127426
				125.00	126.00	0.00	A0101101	0.0030	Au-ICP21	VO19127426
				126.00	127.00	0.00	A0101102	0.0005	Au-ICP21	VO19127426
				127.00	128.00	0.00	A0101103	0.0020	Au-ICP21	VO19127426
				128.00	129.00	0.00	A0101105	0.7780	Au-ICP21	VO19127426
				129.00	130.00	0.00	A0101106	0.0070	Au-ICP21	VO19127426
125.50	132.00	Si; HM-CB Silicification; Hématite-Carbonate Patchy silicification and hematite alteration plus carbonate veinlets.		130.00	131.00	0.00	A0101107	0.0220	Au-ICP21	VO19127426
				131.00	132.00	0.00	A0101108	0.0230	Au-ICP21	VO19127426
				132.00	133.00	0.00	A0101109	0.0140	Au-ICP21	VO19127426
128.00	129.50	PY Pyrite 2% pyrite as discontinuous mm size veinlets and dissemination in a silicified with bleached patches and carbonate veins syenite.		133.00	134.00	0.00	A0101110	0.0060	Au-ICP21	VO19127426
				134.00	135.00	0.00	A0101111	0.0040	Au-ICP21	VO19127426
				135.00	136.00	0.00	A0101112	0.0200	Au-ICP21	VO19127426
				136.00	137.00	0.00	A0101113	0.0170	Au-ICP21	VO19127426
120.22	128.07	CS	35	137.00	138.00	0.00	A0101114	0.0120	Au-ICP21	VO19127426
		Cisaillé(e) 35°		138.00	139.00	0.00	A0101115	0.0310	Au-ICP21	VO19127426

From	To	Description		From	To	Len	SampleID	Au (ppm)	Method	Certificate
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139.00	207.00	I2D		139.00	140.00	0.00	A0101116	0.0040	Au-ICP21	VO19127426
		Syénite		140.00	141.00	0.00	A0101117	0.0010	Au-ICP21	VO19127426
		Brick red, medium to coarse grained, massive equigranular syenite. Few, white 1cm vuggy quartz-feldspathic veins at 50-70 degrees tca. From 156 to 175m light grey silicified intervals 0.5-1m long, Specular hematite veinlets in a coarse reddish-brown syenite. Pervasive hematite alteration may have overprinted feldspar porphyries that are still visible over short distances from 193 to 195m. Trace disseminated pyrite and minor flourite veinlets from 183 to 195 at 45 degrees tca. Specular hematite veinlets at 204 and 205.5m.		141.00	142.00	0.00	A0101118	0.0005	Au-ICP21	VO19127426
				142.00	143.00	0.00	A0101119	0.0010	Au-ICP21	VO19127426
				143.00	144.00	0.00	A0101120	0.0010	Au-ICP21	VO19127426
				144.00	145.00	0.00	A0101122	0.0060	Au-ICP21	VO19127426
				145.00	146.00	0.00	A0101123	0.0020	Au-ICP21	VO19127426
				146.00	147.00	0.00	A0101124	0.0010	Au-ICP21	VO19127426
				147.00	148.00	0.00	A0101125	0.0020	Au-ICP21	VO19127426
				148.00	149.00	0.00	A0101126	0.0040	Au-ICP21	VO19127426
139.00	197.00	HM-CB		149.00	150.00	0.00	A0101127	0.0005	Au-ICP21	VO19127426
		Hématite-Carbonate		150.00	151.00	0.00	A0101128	0.0010	Au-ICP21	VO19127426
		Specular hematite veinlets and pervasive reddish-brown hematite. Weak patchy carbonate alteration.		151.00	152.00	0.00	A0101129	0.0005	Au-ICP21	VO19127426
				152.00	153.00	0.00	A0101130	0.0005	Au-ICP21	VO19127426
194.00	195.00	PY02		153.00	154.00	0.00	A0101131	0.0005	Au-ICP21	VO19127426
		Pyrite 2%		154.00	155.00	0.00	A0101132	0.0130	Au-ICP21	VO19127426
		Specks of pyrite from 194.6 to 194.8m.		155.00	156.00	0.00	A0101133	0.0320	Au-ICP21	VO19127426
				156.00	157.00	0.00	A0101134	0.0180	Au-ICP21	VO19127426
				157.00	158.00	0.00	A0101135	0.0140	Au-ICP21	VO19127426
				158.00	159.00	0.00	A0101137	0.0200	Au-ICP21	VO19127426
				159.00	160.00	0.00	A0101138	0.0230	Au-ICP21	VO19127426
				160.00	161.00	0.00	A0101139	0.0160	Au-ICP21	VO19127443
				161.00	162.00	0.00	A0101140	0.0530	Au-ICP21	VO19127443
				162.00	163.00	0.00	A0101141	0.0100	Au-ICP21	VO19127443
				163.00	164.00	0.00	A0101142	0.0110	Au-ICP21	VO19127443
				164.00	165.00	0.00	A0101143	0.0150	Au-ICP21	VO19127443
				165.00	166.00	0.00	A0101144	0.0100	Au-ICP21	VO19127443
				166.00	167.00	0.00	A0101145	0.0140	Au-ICP21	VO19127443
				167.00	168.00	0.00	A0101146	0.0090	Au-ICP21	VO19127443
				168.00	169.00	0.00	A0101147	0.0050	Au-ICP21	VO19127443
				169.00	170.00	0.00	A0101148	0.0080	Au-ICP21	VO19127443
				170.00	171.00	0.00	A0101149	0.0060	Au-ICP21	VO19127443
				171.00	172.00	0.00	A0101150	0.0070	Au-ICP21	VO19127443
				172.00	173.00	0.00	A0101151	0.0080	Au-ICP21	VO19127443
				173.00	174.00	0.00	A0101153	0.0090	Au-ICP21	VO19127443
				174.00	175.00	0.00	A0101154	0.0080	Au-ICP21	VO19127443
				175.00	176.00	0.00	A0101155	0.0180	Au-ICP21	VO19127443
				176.00	177.00	0.00	A0101156	0.0100	Au-ICP21	VO19127443

177.00	178.00	0.00	A0101157	0.0130	Au-ICP21	VO19127443
178.00	179.00	0.00	A0101158	0.0170	Au-ICP21	VO19127443
179.00	180.00	0.00	A0101159	0.0120	Au-ICP21	VO19127443
180.00	181.00	0.00	A0101160	0.0130	Au-ICP21	VO19127443
181.00	182.00	0.00	A0101161	0.0090	Au-ICP21	VO19127443
182.00	183.00	0.00	A0101162	0.0140	Au-ICP21	VO19127443
183.00	184.00	0.00	A0101163	0.0080	Au-ICP21	VO19127443
184.00	185.00	0.00	A0101164	0.0040	Au-ICP21	VO19127443
185.00	186.00	0.00	A0101165	0.0100	Au-ICP21	VO19127443
186.00	187.00	0.00	A0101166	0.0100	Au-ICP21	VO19127443
187.00	188.00	0.00	A0101167	0.0130	Au-ICP21	VO19127443
188.00	189.00	0.00	A0101168	0.0130	Au-ICP21	VO19127443
189.00	190.00	0.00	A0101170	0.0040	Au-ICP21	VO19127443
190.00	191.00	0.00	A0101171	0.0080	Au-ICP21	VO19127443
191.00	192.00	0.00	A0101172	0.0130	Au-ICP21	VO19127443
192.00	193.00	0.00	A0101173	0.0130	Au-ICP21	VO19127443
193.00	194.00	0.00	A0101174	0.0110	Au-ICP21	VO19127443
194.00	195.00	0.00	A0101175	0.0240	Au-ICP21	VO19127443
195.00	196.00	0.00	A0101176	0.0250	Au-ICP21	VO19127443
196.00	197.00	0.00	A0101177	0.0340	Au-ICP21	VO19127443
197.00	198.00	0.00	A0101178	0.0210	Au-ICP21	VO19127443
198.00	199.00	0.00	A0101179	0.0100	Au-ICP21	VO19127443
199.00	200.00	0.00	A0101180	0.0170	Au-ICP21	VO19127443
200.00	201.00	0.00	A0101181	0.0190	Au-ICP21	VO19127443
201.00	202.00	0.00	A0101182	0.0140	Au-ICP21	VO19127443
202.00	203.00	0.00	A0101183	0.0280	Au-ICP21	VO19127443
203.00	204.00	0.00	A0101185	0.0120	Au-ICP21	VO19127443
204.00	205.00	0.00	A0101186	0.0240	Au-ICP21	VO19127443
205.00	206.00	0.00	A0101187	0.0130	Au-ICP21	VO19127443
206.00	207.00	0.00	A0101188	0.0160	Au-ICP21	VO19127443

From To Description

From To Len SampleID Au (ppm) Method Certificate

207.00 243.70 I2D

Syénite

Brick red medium to coarse grained massive syenite. Vuggy specular hematite veinlets with trace pyrite. Grain size increases downhole. From 232 to 235m trace disseminated pyrite.

207.00	208.00	0.00	A0101189	0.0320	Au-ICP21	VO19127443
208.00	209.00	0.00	A0101190	0.0360	Au-ICP21	VO19127443
209.00	210.00	0.00	A0101191	0.1540	Au-ICP21	VO19127443
210.00	211.00	0.00	A0101192	0.2860	Au-ICP21	VO19127443
211.00	212.00	0.00	A0101193	0.3820	Au-ICP21	VO19127443
212.00	213.00	0.00	A0101194	0.0030	Au-ICP21	VO19127443
213.00	214.00	0.00	A0101195	0.0060	Au-ICP21	VO19127443
214.00	215.00	0.00	A0101196	0.0430	Au-ICP21	VO19127443
215.00	216.00	0.00	A0101197	0.3820	Au-ICP21	VO19127443
216.00	217.00	0.00	A0101198	0.9540	Au-ICP21	VO19127443
217.00	218.00	0.00	A0101199	0.1300	Au-ICP21	VO19127443
218.00	219.00	0.00	A0101201	0.1070	Au-ICP21	VO19127443
219.00	220.00	0.00	A0101202	0.0250	Au-ICP21	VO19127443
220.00	221.00	0.00	A0101203	0.0390	Au-ICP21	VO19127443
221.00	222.00	0.00	A0101204	0.0220	Au-ICP21	VO19127443
222.00	223.00	0.00	A0101205	0.0180	Au-ICP21	VO19127443
223.00	224.00	0.00	A0101206	0.0290	Au-ICP21	VO19127443
224.00	225.00	0.00	A0101207	0.0130	Au-ICP21	VO19127443
225.00	226.00	0.00	A0101209	0.0040	Au-ICP21	VO19127443
226.00	227.00	0.00	A0101210	0.0210	Au-ICP21	VO19127443
227.00	228.00	0.00	A0101211	0.0130	Au-ICP21	VO19127443
228.00	229.00	0.00	A0101212	0.0200	Au-ICP21	VO19127443
229.00	230.00	0.00	A0101213	0.0100	Au-ICP21	VO19127443
230.00	231.00	0.00	A0101214	0.0100	Au-ICP21	VO19127443
231.00	232.00	0.00	A0101215	0.0100	Au-ICP21	VO19127443
232.00	233.00	0.00	A0101216	0.0240	Au-ICP21	VO19127443
233.00	234.00	0.00	A0101217	0.1540	Au-ICP21	VO19127443
234.00	235.00	0.00	A0101218	0.1440	Au-ICP21	VO19127443
235.00	236.00	0.00	A0101219	0.0850	Au-ICP21	VO19127443
236.00	237.00	0.00	A0101220	0.1280	Au-ICP21	VO19127443
237.00	238.00	0.00	A0101221	0.1310	Au-ICP21	VO19127443
238.00	239.00	0.00	A0101222	0.0420	Au-ICP21	VO19127443
239.00	240.00	0.00	A0101223	0.0370	Au-ICP21	VO19127443
240.00	241.00	0.00	A0101224	0.0190	Au-ICP21	VO19127443
241.00	242.00	0.00	A0101226	0.0630	Au-ICP21	VO19127443
242.00	243.00	0.00	A0101227	0.0200	Au-ICP21	VO19127443
243.00	244.00	0.00	A0101228	0.1290	Au-ICP21	VO19127443

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
243.70	263.00	I2D Syénite Reddish-brown to light grey coarse grained to prophyritic syenite. Moderate to strong fracturing blocky core with angular fragments from 250.8 to 260m. Trace pyrite. Flourite veinlets.	244.00	245.00	0.00	A0101229	0.0280	Au-ICP21	VO19127443
			245.00	246.00	0.00	A0101230	0.0230	Au-ICP21	VO19127443
			246.00	247.00	0.00	A0101231	0.0200	Au-ICP21	VO19127443
			247.00	248.00	0.00	A0101232	0.0240	Au-ICP21	VO19127443
			248.00	249.00	0.00	A0101233	0.0340	Au-ICP21	VO19127443
			249.00	250.00	0.00	A0101234	0.0180	Au-ICP21	VO19127443
			250.00	251.00	0.00	A0101235	0.0350	Au-ICP21	VO19127443
			251.00	252.00	0.00	A0101236	0.0310	Au-ICP21	VO19127443
246.00	263.00	FA Fracturé(e) Blocky core angular fragments over 2-3m intervals. Moderate to locally strong fracturing.	252.00	253.00	0.00	A0101237	0.0270	Au-ICP21	VO19127443
			253.00	254.00	0.00	A0101238	0.0360	Au-ICP21	VO19127443
			254.00	255.00	0.00	A0101239	0.0560	Au-ICP21	VO19127443
			255.00	256.00	0.00	A0101241	0.0240	Au-ICP21	VO19127443
			256.00	257.00	0.00	A0101242	0.0700	Au-ICP21	VO19127443
			257.00	258.00	0.00	A0101243	0.1170	Au-ICP21	VO19127443
			258.00	259.00	0.00	A0101244	0.0630	Au-ICP21	VO19127443
			259.00	260.00	0.00	A0101245	1.4850	Au-ICP21	VO19127443
			260.00	261.00	0.00	A0101246	0.0910	Au-ICP21	VO19127443
			261.00	262.00	0.00	A0101247	0.0310	Au-ICP21	VO19127443
			262.00	263.00	0.00	A0101248	0.0230	Au-ICP21	VO19127443

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
263.00	288.00	I2D Syénite Grey, brownish-grey to light greenish- mauve altered and brecciated syenite. Moderate to locally pervasive carbonate alteration. Sericite patches. silicified sections, porphyritic syenite fragments. From 271 to 273m 2-3% finely disseminated pyrite.	263.00	264.00	0.00	A0101249	0.5820	Au-ICP21	VO19127443
			264.00	265.00	0.00	A0101250	0.0120	Au-ICP21	VO19127443
			265.00	266.00	0.00	A0101251	0.0230	Au-ICP21	VO19127443
			266.00	267.00	0.00	A0101252	0.0020	Au-ICP21	VO19127443
			267.00	268.00	0.00	A0101253	0.0030	Au-ICP21	VO19127443
			268.00	269.00	0.00	A0101254	0.0120	Au-ICP21	VO19127443
			269.00	270.00	0.00	A0101255	0.0260	Au-ICP21	VO19127443
263.00	288.00	CB; Si; SR Carbonatisation; Silicification; Séricitisation Pervasive moderate to locally strong carbonate alteration and patches of silicification and sericite alteration.	270.00	271.00	0.00	A0101257	0.0330	Au-ICP21	VO19127443
			271.00	272.00	0.00	A0101258	0.0260	Au-ICP21	VO19127443
			272.00	273.00	0.00	A0101259	0.0200	Au-ICP21	VO19127443
			273.00	274.00	0.00	A0101260	0.0190	Au-ICP21	VO19127443
271.00	273.00	PY Pyrite Disseminated pyrtie 2--3% . 1-3mm blebs on a carbonate vein at 271.8m.	274.00	275.00	0.00	A0101261	0.0990	Au-ICP21	VO19127445
			275.00	276.00	0.00	A0101262	0.0120	Au-ICP21	VO19127445
			276.00	277.00	0.00	A0101263	0.0130	Au-ICP21	VO19127445
			277.00	278.00	0.00	A0101264	0.0300	Au-ICP21	VO19127445

282.00	287.00	PY02 Pyrite 2% Finely disseminated pyrite 2-3% in greenish-mauve brecciated syenite with possible basalt contamination.	278.00	279.00	0.00	A0101265	0.0270	Au-ICP21	VO19127445
			279.00	280.00	0.00	A0101266	0.0430	Au-ICP21	VO19127445
			280.00	281.00	0.00	A0101267	0.0430	Au-ICP21	VO19127445
			281.00	282.00	0.00	A0101268	0.0480	Au-ICP21	VO19127445
263.00	288.00	BX Bréchique Brecciated syenite with cm size angular fragmets in altered matrix.	282.00	283.00	0.00	A0101269	0.1120	Au-ICP21	VO19127445
			283.00	284.00	0.00	A0101270	0.0490	Au-ICP21	VO19127445
			284.00	285.00	0.00	A0101271	0.0490	Au-ICP21	VO19127445
			285.00	286.00	0.00	A0101272	0.0410	Au-ICP21	VO19127445
			286.00	287.00	0.00	A0101274	0.0600	Au-ICP21	VO19127445
			287.00	288.00	0.00	A0101275	0.0130	Au-ICP21	VO19127445

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
288.00	330.00	I2D Syénite Brecciated and altered syenite continues. Grey, greenish-reddish, pink, mauve. Carbonate altered matrix. Sericite patches, angular few cm to 15-20cm porphyritic syenite fragments. Minor <5% basalt contamination as dark grey fine grained magnetic sections from 328.7 to 330m. Very fine disseminated trace pyrite throughout over meter long intervals 2-3% py as in from 301 to 303 and 304 to 307m.	288.00	289.00	0.00	A0101276	0.0390	Au-ICP21	VO19127445
			289.00	290.00	0.00	A0101277	0.0590	Au-ICP21	VO19127445
			290.00	291.00	0.00	A0101278	0.0120	Au-ICP21	VO19127445
			291.00	292.00	0.00	A0101279	0.0320	Au-ICP21	VO19127445
			292.00	293.00	0.00	A0101280	0.0270	Au-ICP21	VO19127445
			293.00	294.00	0.00	A0101281	0.0520	Au-ICP21	VO19127445
			294.00	295.00	0.00	A0101282	0.0620	Au-ICP21	VO19127445
			295.00	296.00	0.00	A0101283	0.0780	Au-ICP21	VO19127445
			296.00	297.00	0.00	A0101284	0.0630	Au-ICP21	VO19127445
288.00	330.00	CB; SR Carbonatisation; Séricitisation Carbonate as veinlets and in breccia matrix; patchy sericite.	297.00	298.00	0.00	A0101285	0.0370	Au-ICP21	VO19127445
			298.00	299.00	0.00	A0101286	0.0710	Au-ICP21	VO19127445
			299.00	300.00	0.00	A0101287	0.0820	Au-ICP21	VO19127445
301.00	303.00	PY03 Pyrite 3% Finely disseminated pyrite in brecciated syenite interval.	300.00	301.00	0.00	A0101289	0.0520	Au-ICP21	VO19127445
			301.00	302.00	0.00	A0101290	0.0310	Au-ICP21	VO19127445
			302.00	303.00	0.00	A0101291	0.0410	Au-ICP21	VO19127445
304.00	307.00	PY03 Pyrite 3% 2-3% finely disseminated pyrite in brecciated syenite.	303.00	304.00	0.00	A0101292	0.0420	Au-ICP21	VO19127445
			304.00	305.00	0.00	A0101293	0.0330	Au-ICP21	VO19127445
			305.00	306.00	0.00	A0101294	0.0400	Au-ICP21	VO19127445
312.00	315.00	PY02 Pyrite 2% Finely disseminated pyrite.	306.00	307.00	0.00	A0101295	0.0380	Au-ICP21	VO19127445
			307.00	308.00	0.00	A0101296	0.0890	Au-ICP21	VO19127445
			308.00	309.00	0.00	A0101297	0.0260	Au-ICP21	VO19127445
323.00	328.00	PY03 Pyrite 3% 2-3 % finely disseminated pyrite. Fine grained subcm aggregates at 327.9m	309.00	310.00	0.00	A0101298	0.0330	Au-ICP21	VO19127445
			310.00	311.00	0.00	A0101299	0.0510	Au-ICP21	VO19127445
			311.00	312.00	0.00	A0101300	0.0710	Au-ICP21	VO19127445
			312.00	313.00	0.00	A0101301	0.0250	Au-ICP21	VO19127445
288.00	330.00	BX Bréchique	313.00	314.00	0.00	A0101302	0.0690	Au-ICP21	VO19127445

breccique

Fractured and brecciated altered syenite. Breccia intervals from a few cm to several meters with carbonate and sericite matrix.

314.00	315.00	0.00	A0101303	0.0190	Au-ICP21	VO19127445
315.00	316.00	0.00	A0101305	0.0210	Au-ICP21	VO19127445
316.00	317.00	0.00	A0101306	0.0260	Au-ICP21	VO19127445
317.00	318.00	0.00	A0101307	0.0290	Au-ICP21	VO19127445
318.00	319.00	0.00	A0101308	0.1050	Au-ICP21	VO19127445
319.00	320.00	0.00	A0101309	0.0350	Au-ICP21	VO19127445
320.00	321.00	0.00	A0101310	0.0160	Au-ICP21	VO19127445
321.00	322.00	0.00	A0101311	0.0330	Au-ICP21	VO19127445
322.00	323.00	0.00	A0101312	0.0120	Au-ICP21	VO19127445
323.00	324.00	0.00	A0101313	0.0370	Au-ICP21	VO19127445
324.00	325.00	0.00	A0101314	0.0810	Au-ICP21	VO19127445
325.00	326.00	0.00	A0101315	0.0350	Au-ICP21	VO19127445
326.00	327.00	0.00	A0101316	0.0340	Au-ICP21	VO19127445
327.00	328.00	0.00	A0101317	0.0460	Au-ICP21	VO19127445
328.00	329.00	0.00	A0101318	0.0340	Au-ICP21	VO19127445
329.00	330.00	0.00	A0101319	0.0020	Au-ICP21	VO19127445

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
330.00	366.00	I2D Syénite Grey to brownish-grey fractured and brecciated fine grained altered syenite. Pervasive fracture filling carbonate veinlets and patchy sericite. Carbonatite (?) vein from 345.6 to 346.7 with trace pyrite.1-2% finely disseminated pyrite. From 358 to 259m pyrite stringers and veinlets 3-4% in a brecciated section.	330.00	331.00	0.00	A0101320	0.0380	Au-ICP21	VO19127445
			331.00	332.00	0.00	A0101322	0.0230	Au-ICP21	VO19127445
			332.00	333.00	0.00	A0101323	0.0310	Au-ICP21	VO19127445
			333.00	334.00	0.00	A0101324	0.0460	Au-ICP21	VO19127445
			334.00	335.00	0.00	A0101325	0.0380	Au-ICP21	VO19127445
			335.00	336.00	0.00	A0101326	0.0370	Au-ICP21	VO19127445
			336.00	337.00	0.00	A0101327	0.0430	Au-ICP21	VO19127445
			337.00	338.00	0.00	A0101328	0.0360	Au-ICP21	VO19127445
330.00	370.00	CB; SR Carbonatisation; Séricitisation Pervasive carbonate as veinlets and in the breccia matrix. Syenite fragments are weakly to moderately sericitized.	338.00	339.00	0.00	A0101329	0.0360	Au-ICP21	VO19127445
			339.00	340.00	0.00	A0101330	0.0290	Au-ICP21	VO19127445
			340.00	341.00	0.00	A0101331	0.0680	Au-ICP21	VO19127445
			341.00	342.00	0.00	A0101332	0.0540	Au-ICP21	VO19127445
330.00	366.00	PY02 Pyrite 2% Overall up to 2% finely disseminated py with short intervals as from 358 to 359m up to 3-4% pyrite.	342.00	343.00	0.00	A0101333	0.0420	Au-ICP21	VO19127445
			343.00	344.00	0.00	A0101334	0.1480	Au-ICP21	VO19127445
			344.00	345.00	0.00	A0101335	0.2330	Au-ICP21	VO19127445
			345.00	346.00	0.00	A0101337	0.0360	Au-ICP21	VO19127445
330.00	369.00	BX Bréchiq Dark reddish-brown and greyish-green altered syenite fragments,1-10cm, in a carbonate matrix. Matrix supported and crackle breccia.	346.00	347.00	0.00	A0101338	0.0470	Au-ICP21	VO19127445
			347.00	348.00	0.00	A0101339	0.0710	Au-ICP21	VO19127445
			348.00	349.00	0.00	A0101340	0.0060	Au-ICP21	VO19127445
			349.00	350.00	0.00	A0101341	0.0070	Au-ICP21	VO19127445

350.00	351.00	0.00	A0101342	0.0300	Au-ICP21	VO19127445
351.00	352.00	0.00	A0101343	0.0490	Au-ICP21	VO19127445
352.00	353.00	0.00	A0101344	0.0470	Au-ICP21	VO19127445
353.00	354.00	0.00	A0101345	0.0430	Au-ICP21	VO19127445
354.00	355.00	0.00	A0101346	0.0300	Au-ICP21	VO19127445
355.00	356.00	0.00	A0101347	0.0180	Au-ICP21	VO19127445
356.00	357.00	0.00	A0101348	0.0520	Au-ICP21	VO19127445
357.00	358.00	0.00	A0101349	0.0500	Au-ICP21	VO19127445
358.00	359.00	0.00	A0101350	0.0640	Au-ICP21	VO19127445
359.00	360.00	0.00	A0101351	0.0320	Au-ICP21	VO19127445
360.00	361.00	0.00	A0101353	0.0400	Au-ICP21	VO19127445
361.00	362.00	0.00	A0101354	0.0370	Au-ICP21	VO19127445
362.00	363.00	0.00	A0101355	0.0510	Au-ICP21	VO19127445
363.00	364.00	0.00	A0101356	0.0580	Au-ICP21	VO19127445
364.00	365.00	0.00	A0101357	0.0530	Au-ICP21	VO19127445
365.00	366.00	0.00	A0101358	0.0660	Au-ICP21	VO19127445

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
366.00	379.90	I2D	366.00	367.00	0.00	A0101359	0.0400	Au-ICP21	VO19127445
		Syénite	367.00	368.00	0.00	A0101360	0.0330	Au-ICP21	VO19127445
		Mauve to light brown, very fine grained, massive syenite, chilled margin? or could be a felsic volcanic? Carbonate alteration along a stockwork of hairline fracture filling veinlets.	368.00	369.00	0.00	A0101361	0.1170	Au-ICP21	VO19127445
		From 366.7 to 370m a transition zone with syenite sections in a fine grained dark brownish-grey of felsic composition, chilled margin?	369.00	370.00	0.00	A0101362	0.5000	Au-ICP21	VO19127445
		MM thick pyrite stringers subparallel to core axis from 369 to 370 and a 20cm breccia interval at 369m. 5cm pyrite and magnetite band at 370.6m.	370.00	371.00	0.00	A0101363	0.2420	Au-ICP21	VO19127445
			371.00	372.00	0.00	A0101364	0.0370	Au-ICP21	VO19127445
			372.00	373.00	0.00	A0101365	0.0070	Au-ICP21	VO19127445
			373.00	374.00	0.00	A0101366	0.0420	Au-ICP21	VO19127445
			374.00	375.00	0.00	A0101367	0.0330	Au-ICP21	VO19127445
370.00	375.00	CB	375.00	376.00	0.00	A0101368	0.0470	Au-ICP21	VO19127445
		Carbonatisation	376.00	377.00	0.00	A0101370	0.0140	Au-ICP21	VO19127445
		Moderate carbonate alteration along hairline fracture filling veinlets.	377.00	378.00	0.00	A0101371	0.0230	Au-ICP21	VO19127445
368.00	372.00	PY03	378.00	379.00	0.00	A0101372	0.0130	Au-ICP21	VO19127445
		Pyrite 3%	379.00	380.00	0.00	A0101373	0.0230	Au-ICP21	VO19127445

379.90 392.10 I2D V3B
Syénite avec 25 à 50% de basalte
 Dark grey to mauve fine grained massive syenite with dark grey to greenish-grey, weakly magnetic sections of basaltic composition with pervasive carbonate veinlets. The lower half possibly silicified with barely visible 1-2mm feldspar porphyries from 390.5 to 391m. Lower contact sharp at 50 degrees tca.

379.00 392.10 CB
Carbonatisation
 Pervasive moderate to locally strong carbonate alteration as hairline fracture filling veinlets.

380.00	381.00	0.00	A0101374	0.2650	Au-ICP21	VO19127445
381.00	382.00	0.00	A0101375	0.0110	Au-ICP21	VO19127445
382.00	383.00	0.00	A0101376	0.0250	Au-ICP21	VO19127445
383.00	384.00	0.00	A0101377	0.5940	Au-ICP21	VO19127445
384.00	385.00	0.00	A0101378	0.0180	Au-ICP21	VO19127445
385.00	386.00	0.00	A0101379	0.0300	Au-ICP21	VO19127445
386.00	387.00	0.00	A0101380	0.0040	Au-ICP21	VO19127445
387.00	388.00	0.00	A0101381	0.0130	Au-ICP21	VO19127445
388.00	389.00	0.00	A0101382	0.0060	Au-ICP21	VO19127445
389.00	390.00	0.00	A0101383	0.0110	Au-ICP21	VO19127447
390.00	391.00	0.00	A0101385	0.0100	Au-ICP21	VO19127447
391.00	392.00	0.00	A0101386	0.0060	Au-ICP21	VO19127447

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
392.10	397.55	I2D Syénite Porphyritic syenite with subhedral from 1 mm to 2cm feldspar phenos in a dark reddish-brown fine grained matrix. Lower contact sharp at 20 degrees tca.	392.00	393.00	0.00	A0101387	0.0070	Au-ICP21	VO19127447
			393.00	394.00	0.00	A0101388	0.0090	Au-ICP21	VO19127447
			394.00	395.00	0.00	A0101389	0.0020	Au-ICP21	VO19127447
			395.00	396.00	0.00	A0101390	0.0020	Au-ICP21	VO19127447
			396.00	397.00	0.00	A0101391	0.0020	Au-ICP21	VO19127447
			397.00	398.00	0.00	A0101392	0.0020	Au-ICP21	VO19127447

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
397.55	415.95	I2D Syénite Light pink to dark reddish-brown to grey, medium to coarse grained syenite with locally fine grained intervals from upper contact to 399.5 and from 408 to 412.5m. Fine grained sections could be partially contaminated by basalt digestion. From 399 to 401m 2% pyrite as mm thick veinlets and blebs at 401m. From 407 to 408m 3% pyrite as veinlets at 20 to 30 degrees tca and very finely disseminated in a porphyritic section. The matrix of porphyritic sections is darker red due to pervasive hematite alteration. From 413 to the lower contact dark green alteration possibly chlorite? in the matrix. Weakly magnetic in the last meter near the lower contact. From 412.5 to 414 very finely disseminated pyrite 1-2%.	398.00	399.00	0.00	A0101393	0.0020	Au-ICP21	VO19127447
			399.00	400.00	0.00	A0101394	0.0020	Au-ICP21	VO19127447
			400.00	401.00	0.00	A0101395	0.0120	Au-ICP21	VO19127447
			401.00	402.00	0.00	A0101396	0.0890	Au-ICP21	VO19127447
			402.00	403.00	0.00	A0101397	0.1490	Au-ICP21	VO19127447
			403.00	404.00	0.00	A0101398	0.0530	Au-ICP21	VO19127447
			404.00	405.00	0.00	A0101399	0.0050	Au-ICP21	VO19127447
			405.00	406.00	0.00	A0101401	0.0050	Au-ICP21	VO19127447
			406.00	407.00	0.00	A0101402	0.0540	Au-ICP21	VO19127447
			407.00	408.00	0.00	A0101403	0.1710	Au-ICP21	VO19127447
			408.00	409.00	0.00	A0101404	0.0840	Au-ICP21	VO19127447

401.00	415.95	HM; CL Hématisation; Chloritisation Dark reddish-brown pervasive hematite and dark green possibly chlorite altered matrix in the coarse grained porphyritic sections of syenite.	409.00	410.00	0.00	A0101405	0.1780	Au-ICP21	VO19127447
			410.00	411.00	0.00	A0101406	0.0710	Au-ICP21	VO19127447
			411.00	412.00	0.00	A0101407	0.0090	Au-ICP21	VO19127447
			412.00	413.00	0.00	A0101409	0.0080	Au-ICP21	VO19127447
399.00	401.00	PY02 Pyrite 2% 2% pyrite as hairline fracture filling veinlets and small blebs.	413.00	414.00	0.00	A0101410	0.0140	Au-ICP21	VO19127447
			414.00	415.00	0.00	A0101411	0.0110	Au-ICP21	VO19127447
			415.00	416.00	0.00	A0101412	0.0100	Au-ICP21	VO19127447

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
415.95	425.50	V3B I2D Basalte avec 25 à 50% de syénite Dark grey to greenish-grey fine grained weakly magnetic basalt with pervasive fracture filling carboante veinlets. Dark reddish-pinmish-brown porphyritic and chlorite altered syenite veins from 25 to 80cm thick, from 421 to 423.8m. From 422 to 422.8 pyrite blebs in altered porphyritic syenite up to 5%.	416.00	417.00	0.00	A0101413	0.0070	Au-ICP21	VO19127447
			417.00	418.00	0.00	A0101414	0.0060	Au-ICP21	VO19127447
			418.00	419.00	0.00	A0101415	0.0060	Au-ICP21	VO19127447
			419.00	420.00	0.00	A0101416	0.0470	Au-ICP21	VO19127447
			420.00	421.00	0.00	A0101417	0.1900	Au-ICP21	VO19127447
			421.00	422.00	0.00	A0101418	0.0530	Au-ICP21	VO19127447
			422.00	423.00	0.00	A0101419	0.1110	Au-ICP21	VO19127447
			423.00	424.00	0.00	A0101420	0.5320	Au-ICP21	VO19127447
415.95	425.50	CB Carbonatisation Pervasive carbonate veinlets on the basaltic sections and chloritic altered matrix of porphyritic syenite segments.	424.00	425.00	0.00	A0101421	0.0850	Au-ICP21	VO19127447
			425.00	426.00	0.00	A0101422	0.6810	Au-ICP21	VO19127447
422.00	422.80	PY05 Pyrite 5% Pyrite blebs in coarse grained altered porphyritic syenite section. Both contacts sharp at 40 and 30 degrees tca.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
425.50	430.35	I2D Syénite Brown, fine grained massive syenite. Locally patchy sericite lateration and in other places as mm size specks. Very felsic looking. Some porphyritic section still visible at 426.5m. Disseminated pyrite stringers from 426 to 427m. Possibly a strongly silicified syenite.	426.00	427.00	0.00	A0101423	1.8150	Au-ICP21	VO19127447
			427.00	428.00	0.00	A0101424	0.4170	Au-ICP21	VO19127447
			428.00	429.00	0.00	A0101426	0.5470	Au-ICP21	VO19127447
			429.00	430.00	0.00	A0101427	0.5730	Au-ICP21	VO19127447
425.50	430.34	Si; SR Silicification; Séricitisation Pervasive strong silicification and patchy moderate sericite alteration.							

426.00 427.00 PY03

Pyrite 3%

3% pyrite as fine disseminated stringers.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
430.35	436.00	I2D Syénite Dark brownish-grey medium grained syenite with a dark grey, fine grained, felsic looking section silicified?, felsic dyke? from 433.7 to 434.4m. Pyrite mineralization throughout as blebs, fine dissemination and small aggregates 3- 5% pyrite.	430.00	431.00	0.00	A0101428	4.4000	Au-ICP21	VO19127447
			431.00	432.00	0.00	A0101429	0.1260	Au-ICP21	VO19127447
			432.00	433.00	0.00	A0101430	0.8220	Au-ICP21	VO19127447
			433.00	434.00	0.00	A0101431	1.7200	Au-ICP21	VO19127447
			434.00	435.00	0.00	A0101432	0.5520	Au-ICP21	VO19127447
			435.00	436.00	0.00	A0101433	0.5370	Au-ICP21	VO19127447

430.35 436.00 Si

Silicification

Pervasive silicification in fine grained felsic looking sections.

430.35 436.00 PY05

Pyrite 5%

5% or more pyrite as blebs, finely disseminated and small aggregates mainly from 430.5 to 432 and from 434.78 to 436m.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
436.00	446.20	I2D Syénite Reddish-pink with greyish sections coarse grained porphyritic syenite.From 437 to 442m pervasive hematite alteration as submm red pits in the matrix. From 443.8 to 445m grey fine grained locally breccited and carbonate altered possible basalt contaminated interval, both contacts sharp at 60 degrees tca. Lower contact of the porphyry sharp at 50 degrees tca.	436.00	437.00	0.00	A0101434	0.3740	Au-ICP21	VO19127447
			437.00	438.00	0.00	A0101435	0.3730	Au-ICP21	VO19127447
			438.00	439.00	0.00	A0101436	0.5850	Au-ICP21	VO19127447
			439.00	440.00	0.00	A0101437	0.6910	Au-ICP21	VO19127447
			440.00	441.00	0.00	A0101438	0.3380	Au-ICP21	VO19127447
			441.00	442.00	0.00	A0101439	0.2100	Au-ICP21	VO19127447
			442.00	443.00	0.00	A0101441	0.1110	Au-ICP21	VO19127447
			443.00	444.00	0.00	A0101442	0.2090	Au-ICP21	VO19127447
436.00	446.20	HM-CB Hématite-Carbonate Red pits of hematite in the matrix of porphyritic syenite mainly from 436 to 443m and pervasive fracture filling carbonate veinlets.	444.00	445.00	0.00	A0101443	0.0320	Au-ICP21	VO19127447
			445.00	446.00	0.00	A0101444	0.2350	Au-ICP21	VO19127447

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
446.20	484.90	I2D Syénite Porphyritic syenite. Dark grey and reddish-brown intervals followed by light grey and pinkish sections of medium to coarse grained syenite. Dark grey sections possibly due to basalt contamination (<5%) with some mm size leucoxene overprinting. Pervasive moderate sericite alteration and patches of hematite alteration. Pyrite mostly visible between 459 and 466m as discontinuos fracture filling veinlets occasional blebs mainly from 462 and 465m. Pyrtie stringers at 477.4 and superfinely 2-3% disseminated py from 479 to 481m.	446.00	447.00	0.00	A0101445	0.2640	Au-ICP21	VO19127447
			447.00	448.00	0.00	A0101446	0.2340	Au-ICP21	VO19127447
			448.00	449.00	0.00	A0101447	0.0310	Au-ICP21	VO19127447
			449.00	450.00	0.00	A0101448	0.0650	Au-ICP21	VO19127447
			450.00	451.00	0.00	A0101449	0.0470	Au-ICP21	VO19127447
			451.00	452.00	0.00	A0101450	0.1300	Au-ICP21	VO19127447
			452.00	453.00	0.00	A0101451	0.0780	Au-ICP21	VO19127447
			453.00	454.00	0.00	A0101452	0.1720	Au-ICP21	VO19127447
			454.00	455.00	0.00	A0101453	0.0740	Au-ICP21	VO19127447
			455.00	456.00	0.00	A0101454	0.0210	Au-ICP21	VO19127447
446.20	470.00	SR; HM Séricitisation; Hémathisation Pervasive moderate sericite and patchy hematite.	456.00	457.00	0.00	A0101455	0.0050	Au-ICP21	VO19127447
			457.00	458.00	0.00	A0101457	0.0190	Au-ICP21	VO19127447
			458.00	459.00	0.00	A0101458	0.0410	Au-ICP21	VO19127447
470.00	481.00	HM; SR Hémathisation; Séricitisation Pervasive weak to moderate hematite and sericite altered coarse grained syenite.	459.00	460.00	0.00	A0101459	0.0570	Au-ICP21	VO19127447
			460.00	461.00	0.00	A0101460	0.0380	Au-ICP21	VO19127447
			461.00	462.00	0.00	A0101461	0.1630	Au-ICP21	VO19127447
			462.00	463.00	0.00	A0101462	1.5700	Au-ICP21	VO19127447
462.00	465.00	PY03 Pyrite 3% Pyrite blebs veinlets and small aggregates in coarse grained porphyritic section.	463.00	464.00	0.00	A0101463	0.1300	Au-ICP21	VO19127447
			464.00	465.00	0.00	A0101464	0.1000	Au-ICP21	VO19127447
			465.00	466.00	0.00	A0101465	0.0460	Au-ICP21	VO19127447
			466.00	467.00	0.00	A0101466	0.4760	Au-ICP21	VO19127447
479.00	481.00	PY03 Pyrite 3% 2-3% very finely disseminated in coarse reddish-brown hematite and sericite altered syenite.	467.00	468.00	0.00	A0101467	0.2120	Au-ICP21	VO19127447
			468.00	469.00	0.00	A0101468	0.3200	Au-ICP21	VO19127447
			469.00	470.00	0.00	A0101469	0.0110	Au-ICP21	VO19127447
			470.00	471.00	0.00	A0101470	0.0270	Au-ICP21	VO19127447
			471.00	472.00	0.00	A0101471	0.0540	Au-ICP21	VO19127447
			472.00	473.00	0.00	A0101472	0.0300	Au-ICP21	VO19127447
			473.00	474.00	0.00	A0101474	0.0620	Au-ICP21	VO19127447
			474.00	475.00	0.00	A0101475	0.0220	Au-ICP21	VO19127447
			475.00	476.00	0.00	A0101476	0.0340	Au-ICP21	VO19127447
			476.00	477.00	0.00	A0101477	0.0170	Au-ICP21	VO19127447
			477.00	478.00	0.00	A0101478	0.2910	Au-ICP21	VO19127447
			478.00	479.00	0.00	A0101479	0.1170	Au-ICP21	VO19127447
			479.00	480.00	0.00	A0101480	0.3180	Au-ICP21	VO19127447
			480.00	481.00	0.00	A0101481	0.0240	Au-ICP21	VO19127447
			481.00	482.00	0.00	A0101482	0.0070	Au-ICP21	VO19127447

482.00	483.00	0.00	A0101483	0.0140	Au-ICP21	VO19127447
483.00	484.00	0.00	A0101484	0.0490	Au-ICP21	VO19127447
484.00	485.00	0.00	A0101485	0.0070	Au-ICP21	VO19127447

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
484.90	500.10	V3B I2D Basalte avec 25 à 50% de syénite Grey to greenish-grey basaltic sinterval with light brownish patches of digested syenite. Weakly foliated at 30 degrees tca. Weakly magnetic. Trace finely disseminated pyrite on some of the syenite sections at 497.4m. Up to 40% syenite content.	485.00	486.00	0.00	A0101486	0.0120	Au-ICP21	VO19127447
			486.00	487.00	0.00	A0101487	0.0080	Au-ICP21	VO19127447
			487.00	488.00	0.00	A0101489	0.0080	Au-ICP21	VO19127447
			488.00	489.00	0.00	A0101490	0.0070	Au-ICP21	VO19127447
			489.00	490.00	0.00	A0101491	0.0050	Au-ICP21	VO19127447
			490.00	491.00	0.00	A0101492	0.0040	Au-ICP21	VO19127447
			491.00	492.00	0.00	A0101493	0.0050	Au-ICP21	VO19127447
			492.00	493.00	0.00	A0101494	0.0040	Au-ICP21	VO19127447
484.90	485.50	PY02 Pyrite 2% 1-2% pyrite as discontinous veinlets and small blebs along a sheared carbonate vein subparallel to core axis.	493.00	494.00	0.00	A0101495	0.0040	Au-ICP21	VO19127447
			494.00	495.00	0.00	A0101496	0.0050	Au-ICP21	VO19127447
			495.00	496.00	0.00	A0101497	0.0250	Au-ICP21	VO19127447
			496.00	497.00	0.00	A0101498	0.0130	Au-ICP21	VO19127447
			497.00	498.00	0.00	A0101499	0.0070	Au-ICP21	VO19127447
			498.00	499.00	0.00	A0101500	0.0110	Au-ICP21	VO19127447
			499.00	500.00	0.00	A0101501	0.0100	Au-ICP21	VO19127447

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
500.10	526.85	I2D (V3B) Syénite avec 5 à 25% de basalte Grey to greyish-mauve medium grained syenite. Pervasive hematite alteration. Moderately magnetic from upper contact to 510.1m.The lower half is fine grained, light brownish-mauve with dark green fragments of digested basalt and non magnetic starting from 514.7m. 2-3% pyrite as mm thick stringers from 514.4 to 518m in a fine grained syenite with minor digested basaltic fragments and two carbonate veins 3 and 15cm thick. Several 2-5cm brecciated intervals and a 50cm shear zone from 423.4 to423.9m, foliation at 25 degrees tca.	500.00	501.00	0.00	A0101502	0.0060	Au-ICP21	VO19127447
			501.00	502.00	0.00	A0101503	0.0030	Au-ICP21	VO19127447
			502.00	503.00	0.00	A0101505	0.0090	Au-ICP21	VO19127449
			503.00	504.00	0.00	A0101506	0.0030	Au-ICP21	VO19127449
			504.00	505.00	0.00	A0101507	0.0020	Au-ICP21	VO19127449
			505.00	506.00	0.00	A0101508	0.0120	Au-ICP21	VO19127449
			506.00	507.00	0.00	A0101509	0.0130	Au-ICP21	VO19127449
			507.00	508.00	0.00	A0101510	0.0020	Au-ICP21	VO19127449
			508.00	509.00	0.00	A0101511	0.0040	Au-ICP21	VO19127449
			509.00	510.00	0.00	A0101512	0.0100	Au-ICP21	VO19127449
481.00	526.85	CB Carbonatisation Weak carbonate alteration as fracture filing veinlets and a couple of larger 5-15cm carbonate veins.	510.00	511.00	0.00	A0101513	0.0120	Au-ICP21	VO19127449
			511.00	512.00	0.00	A0101514	0.0150	Au-ICP21	VO19127449
			512.00	513.00	0.00	A0101515	0.1500	Au-ICP21	VO19127449
			513.00	514.00	0.00	A0101516	0.4760	Au-ICP21	VO19127449
506.00	507.00	PY01 Pyrite 1%	514.00	515.00	0.00	A0101517	0.3360	Au-ICP21	VO19127449

		Pyrite 1%									
		1-2% Fine grained pyrite along the egdes of carbonate veinlets.	515.00	516.00	0.00	A0101518	0.3150	Au-ICP21	VO19127449		
513.00	518.00	PY02	516.00	517.00	0.00	A0101519	0.7830	Au-ICP21	VO19127449		
		Pyrite 2%	517.00	518.00	0.00	A0101520	0.4230	Au-ICP21	VO19127449		
		2% pyrite as discrete mm thick stringers and some blebs along the egdes of carbonate veins.	518.00	519.00	0.00	A0101522	0.0120	Au-ICP21	VO19127449		
			519.00	520.00	0.00	A0101523	0.0190	Au-ICP21	VO19127449		
			520.00	521.00	0.00	A0101524	0.0160	Au-ICP21	VO19127449		
			521.00	522.00	0.00	A0101525	0.0720	Au-ICP21	VO19127449		
			522.00	523.00	0.00	A0101526	0.0550	Au-ICP21	VO19127449		
			523.00	524.00	0.00	A0101527	0.0990	Au-ICP21	VO19127449		
			524.00	525.00	0.00	A0101528	0.0250	Au-ICP21	VO19127449		
			525.00	526.00	0.00	A0101529	0.0670	Au-ICP21	VO19127449		
			526.00	527.00	0.00	A0101530	0.0360	Au-ICP21	VO19127449		

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
526.85	539.00	V3B I2D	527.00	528.00	0.00	A0101531	0.0110	Au-ICP21	VO19127449
		Basalte avec 25 à 50% de syénite	528.00	529.00	0.00	A0101532	0.0110	Au-ICP21	VO19127449
		50/50 mix of light brownish-pinkish-grey syenite with patches of digested basalt from upper contact to 533m followed by dark greenish-grey basalt dominated intervals with fragments of digested syenite. Pervasive carbonate alteration. Leucoxene overprinting from 537 to 538m.	529.00	530.00	0.00	A0101533	0.0050	Au-ICP21	VO19127449
			530.00	531.00	0.00	A0101534	0.0140	Au-ICP21	VO19127449
			531.00	532.00	0.00	A0101535	0.0720	Au-ICP21	VO19127449
			532.00	533.00	0.00	A0101537	0.0390	Au-ICP21	VO19127449
			533.00	534.00	0.00	A0101538	0.0150	Au-ICP21	VO19127449
526.85	539.00	CB	534.00	535.00	0.00	A0101539	0.0080	Au-ICP21	VO19127449
		Carbonatisation	535.00	536.00	0.00	A0101540	0.0100	Au-ICP21	VO19127449
		Pervasive moderate to strong carbonate alteration.	536.00	537.00	0.00	A0101541	0.1770	Au-ICP21	VO19127449
			537.00	538.00	0.00	A0101542	0.0470	Au-ICP21	VO19127449
			538.00	539.00	0.00	A0101543	0.0580	Au-ICP21	VO19127449

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
539.00	549.00	I2D	539.00	540.00	0.00	A0101544	0.1240	Au-ICP21	VO19127449
		Syénite	540.00	541.00	0.00	A0101545	0.1870	Au-ICP21	VO19127449
		Reddish-brown with light greenish patches altered syenite. Feldspar phenos, 1-3mm, still visible in some sections. From 544.6 to 545.8m mauve very coarse 1-3cm feldspar(?) crystals. From 544 to 547 disseminated pyrite 3-5%. Moderate carbonate alteration. 5% digested basaltic fragments. Foliation at 45 degrees near the lower contact.	541.00	542.00	0.00	A0101546	0.1310	Au-ICP21	VO19127449
			542.00	543.00	0.00	A0101547	0.0480	Au-ICP21	VO19127449
			543.00	544.00	0.00	A0101548	0.0910	Au-ICP21	VO19127449
			544.00	545.00	0.00	A0101549	1.3000	Au-ICP21	VO19127449
			545.00	546.00	0.00	A0101550	2.2200	Au-ICP21	VO19127449
			546.00	547.00	0.00	A0101551	0.7410	Au-ICP21	VO19127449
539.00	549.00	CB	547.00	548.00	0.00	A0101553	1.2000	Au-ICP21	VO19127449
		Carbonatisation							

		Pervasive moderate carbonate alteration.	548.00	549.00	0.00	A0101554	0.1830	Au-ICP21	VO19127449
545.00	547.00	PY03							
		Pyrite 3%							
		Finely disseminated pyrite 3-5%.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
549.00	567.00	V1	549.00	550.00	0.00	A0101555	0.1530	Au-ICP21	VO19127449
		Volcanique felsique non divisé	550.00	551.00	0.00	A0101556	0.3710	Au-ICP21	VO19127449
		Light greenish-yellowish, fine grained, foliated, felsic volcanic. Dacite? could be an altered felsic tuff? From 558m onward what appear to be fragments/lapillis?Pervasive moderate to strong sericite alteration. 2-3% very finely disseminated pyrite. Foliation at 30 degrees tca.	551.00	552.00	0.00	A0101557	0.4160	Au-ICP21	VO19127449
			552.00	553.00	0.00	A0101558	0.4760	Au-ICP21	VO19127449
			553.00	554.00	0.00	A0101559	0.2330	Au-ICP21	VO19127449
			554.00	555.00	0.00	A0101560	0.2300	Au-ICP21	VO19127449
			555.00	556.00	0.00	A0101561	0.2750	Au-ICP21	VO19127449
549.00	567.00	SR	556.00	557.00	0.00	A0101562	0.5620	Au-ICP21	VO19127449
		Séricitisation	557.00	558.00	0.00	A0101563	0.1940	Au-ICP21	VO19127449
		Pervasive moderate to strong sericite alteration.	558.00	559.00	0.00	A0101564	0.3290	Au-ICP21	VO19127449
549.00	567.00	PY02	559.00	560.00	0.00	A0101565	0.2680	Au-ICP21	VO19127449
		Pyrite 2%	560.00	561.00	0.00	A0101566	0.3550	Au-ICP21	VO19127449
		2-3% finely disseminated pyrite.	561.00	562.00	0.00	A0101567	0.4930	Au-ICP21	VO19127449
			562.00	563.00	0.00	A0101568	0.2870	Au-ICP21	VO19127449
			563.00	564.00	0.00	A0101570	0.3060	Au-ICP21	VO19127449
			564.00	565.00	0.00	A0101571	0.5090	Au-ICP21	VO19127449
			565.00	566.00	0.00	A0101572	0.6640	Au-ICP21	VO19127449
			566.00	567.00	0.00	A0101573	0.5600	Au-ICP21	VO19127449

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
567.00	585.00	I2D	567.00	568.00	0.00	A0101574	0.4130	Au-ICP21	VO19127449
		Syénite	568.00	569.00	0.00	A0101575	0.6470	Au-ICP21	VO19127449
		Similar in texture to the previous unit but reddish-brown colour due to hematite alteration. Altered fine grained syenite? From 571 to 574m 3% disseminated pyrite. Foliation at 50 to 55 degrees tca. From 579 to 581.1 m dark grey silicified and brecciated interval with subcm fragments with finely disseminated 2-3% pyrite.	569.00	570.00	0.00	A0101576	0.3570	Au-ICP21	VO19127449
			570.00	571.00	0.00	A0101577	0.2500	Au-ICP21	VO19127449
			571.00	572.00	0.00	A0101578	0.3320	Au-ICP21	VO19127449
			572.00	573.00	0.00	A0101579	0.2950	Au-ICP21	VO19127449
			573.00	574.00	0.00	A0101580	0.2920	Au-ICP21	VO19127449
			574.00	575.00	0.00	A0101581	0.2030	Au-ICP21	VO19127449
567.00	585.00	HM	575.00	576.00	0.00	A0101582	0.2310	Au-ICP21	VO19127449
		Hématisation	576.00	577.00	0.00	A0101583	0.1700	Au-ICP21	VO19127449
		Modertae pervasive hematite; minor carbonate alteration.							

567.00	579.00	PY03	577.00	578.00	0.00	A0101585	0.1140	Au-ICP21	VO19127449
		Pyrite 3%	578.00	579.00	0.00	A0101586	0.2170	Au-ICP21	VO19127449
		3% finely disseminated pyrite	579.00	580.00	0.00	A0101587	0.5150	Au-ICP21	VO19127449
579.00	581.10	PY03	580.00	581.00	0.00	A0101588	0.4590	Au-ICP21	VO19127449
		Pyrite 3%	581.00	582.00	0.00	A0101589	0.2250	Au-ICP21	VO19127449
		Finely disseminated pyrite in a silicified and brecciated syenite? section.	582.00	583.00	0.00	A0101590	0.3220	Au-ICP21	VO19127449
			583.00	584.00	0.00	A0101591	0.1930	Au-ICP21	VO19127449
			584.00	585.00	0.00	A0101592	0.3740	Au-ICP21	VO19127449

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
585.00	614.00	V1	585.00	586.00	0.00	A0101593	0.3850	Au-ICP21	VO19127449
		Volcanique felsique non divisé	586.00	587.00	0.00	A0101594	0.3460	Au-ICP21	VO19127449
		Light brown fine grained foliated felsic volcanic? becomes greyish-green down hole. Foliation at 50 to 60 degrees tca. 2% py as hairline veinlets and finely disseminated.	587.00	588.00	0.00	A0101595	0.2360	Au-ICP21	VO19127449
			588.00	589.00	0.00	A0101596	0.1830	Au-ICP21	VO19127449
			589.00	590.00	0.00	A0101597	0.1810	Au-ICP21	VO19127449
			590.00	591.00	0.00	A0101598	0.3120	Au-ICP21	VO19127449
			591.00	592.00	0.00	A0101599	0.1250	Au-ICP21	VO19127449
585.00	614.00	PY02	592.00	593.00	0.00	A0101601	0.4890	Au-ICP21	VO19127449
		Pyrite 2%	593.00	594.00	0.00	A0101602	0.1830	Au-ICP21	VO19127449
		2% disseminated pyrite and as mm veinlets.	594.00	595.00	0.00	A0101603	0.2390	Au-ICP21	VO19127449
			595.00	596.00	0.00	A0101604	0.1500	Au-ICP21	VO19127449
			596.00	597.00	0.00	A0101605	0.1200	Au-ICP21	VO19127449
			597.00	598.00	0.00	A0101606	0.1010	Au-ICP21	VO19127449
			598.00	599.00	0.00	A0101607	0.0870	Au-ICP21	VO19127449
			599.00	600.00	0.00	A0101609	0.2160	Au-ICP21	VO19127449
			600.00	601.00	0.00	A0101610	0.1610	Au-ICP21	VO19127449
			601.00	602.00	0.00	A0101611	0.2090	Au-ICP21	VO19127449
			602.00	603.00	0.00	A0101612	0.4440	Au-ICP21	VO19127449
			603.00	604.00	0.00	A0101613	0.3530	Au-ICP21	VO19127449
			604.00	605.00	0.00	A0101614	0.3600	Au-ICP21	VO19127449
			605.00	606.00	0.00	A0101615	0.2810	Au-ICP21	VO19127449
			606.00	607.00	0.00	A0101616	0.2820	Au-ICP21	VO19127449
			607.00	608.00	0.00	A0101617	2.0200	Au-ICP21	VO19127449
			608.00	609.00	0.00	A0101618	1.5200	Au-ICP21	VO19127449
			609.00	610.00	0.00	A0101619	4.9000	Au-ICP21	VO19127449
			610.00	611.00	0.00	A0101620	2.5400	Au-ICP21	VO19127449
			611.00	612.00	0.00	A0101621	0.1920	Au-ICP21	VO19127449
			612.00	613.00	0.00	A0101622	0.1720	Au-ICP21	VO19127449

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
			613.00	614.00	0.00	A0101623	0.1430	Au-ICP21	VO19127449
614.00	651.00	TU2	614.00	615.00	0.00	A0101624	0.2460	Au-ICP21	VO19127449
		Tuf intermédiaire	615.00	616.00	0.00	A0101626	0.2310	Au-ICP21	VO19127449
		Greenish-grey to reddish-grey foliated intermediate to felsic lapilli tuff?	616.00	617.00	0.00	A0101627	0.0710	Au-ICP21	VO19127451
		Greyish-green in the upper half with pervasive sericite alteration followed by a fine grained greenish matrix with reddish-brown a few cm in size felsic(?) fragments.	617.00	618.00	0.00	A0101628	0.1010	Au-ICP21	VO19127451
			618.00	619.00	0.00	A0101629	1.9350	Au-ICP21	VO19127451
			619.00	620.00	0.00	A0101630	2.8000	Au-ICP21	VO19127451
		EOH 651m	620.00	621.00	0.00	A0101631	4.0600	Au-ICP21	VO19127451
			621.00	622.00	0.00	A0101632	0.0650	Au-ICP21	VO19127451
			622.00	623.00	0.00	A0101633	0.0580	Au-ICP21	VO19127451
585.00	651.00	SR	623.00	624.00	0.00	A0101634	0.1140	Au-ICP21	VO19127451
		Séricitisation	624.00	625.00	0.00	A0101635	0.4890	Au-ICP21	VO19127451
		Weak to moderate to locally strong, over few meters long sections, sericite alteration.	625.00	626.00	0.00	A0101636	0.0750	Au-ICP21	VO19127451
			626.00	627.00	0.00	A0101637	0.4580	Au-ICP21	VO19127451
			627.00	628.00	0.00	A0101638	0.1850	Au-ICP21	VO19127451
			628.00	629.00	0.00	A0101639	0.0150	Au-ICP21	VO19127451
			629.00	630.00	0.00	A0101641	0.0770	Au-ICP21	VO19127451
			630.00	631.00	0.00	A0101642	0.0230	Au-ICP21	VO19127451
			631.00	632.00	0.00	A0101643	0.0040	Au-ICP21	VO19127451
			632.00	633.00	0.00	A0101644	0.0010	Au-ICP21	VO19127451
			633.00	634.00	0.00	A0101645	0.0050	Au-ICP21	VO19127451
			634.00	635.00	0.00	A0101646	0.0180	Au-ICP21	VO19127451
			635.00	636.00	0.00	A0101647	0.0630	Au-ICP21	VO19127451
			636.00	637.00	0.00	A0101648	0.1250	Au-ICP21	VO19127451
			637.00	638.00	0.00	A0101649	0.0220	Au-ICP21	VO19127451
			638.00	639.00	0.00	A0101650	0.0140	Au-ICP21	VO19127451
			639.00	640.00	0.00	A0101651	0.0110	Au-ICP21	VO19127451
			640.00	641.00	0.00	A0101652	0.0060	Au-ICP21	VO19127451
			641.00	642.00	0.00	A0101653	0.1220	Au-ICP21	VO19127451
			642.00	643.00	0.00	A0101654	0.0005	Au-ICP21	VO19127451
			643.00	644.00	0.00	A0101655	0.0005	Au-ICP21	VO19127451
			644.00	645.00	0.00	A0101657	0.0010	Au-ICP21	VO19127451
			645.00	646.00	0.00	A0101658	0.0010	Au-ICP21	VO19127451
			646.00	647.00	0.00	A0101659	0.0005	Au-ICP21	VO19127451
			647.00	648.00	0.00	A0101660	0.0005	Au-ICP21	VO19127451
			648.00	649.00	0.00	A0101661	0.0005	Au-ICP21	VO19127451

649.00	650.00	0.00	A0101662	0.0010	Au-ICP21	VO19127451
650.00	651.00	0.00	A0101663	0.0010	Au-ICP21	VO19127451

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	360.00	-50.00	Collar	60.00	1.11	-49.89	Reflex EZ-Gyro	75.00	1.60	-49.71	Reflex EZ-Gyro
90.00	359.56	-49.65	Reflex EZ-Gyro	105.00	0.67	-49.45	Reflex EZ-Gyro	120.00	0.85	-49.29	Reflex EZ-Gyro
145.00	1.58	-49.07	Reflex EZ-Gyro	150.00	1.14	-49.02	Reflex EZ-Gyro	195.00	358.90	-48.60	Reflex EZ-Trac
237.00	0.21	-48.42	Reflex EZ-Gyro	267.00	0.02	-48.17	Reflex EZ-Gyro	297.00	3.20	-47.87	Reflex EZ-Gyro
327.00	2.76	-47.76	Reflex EZ-Gyro	357.00	0.02	-47.62	Reflex EZ-Gyro	387.00	0.18	-47.76	Reflex EZ-Gyro
417.00	2.04	-47.50	Reflex EZ-Gyro	447.00	3.34	-47.59	Reflex EZ-Gyro	477.00	2.44	-47.45	Reflex EZ-Gyro
507.00	2.09	-47.06	Reflex EZ-Gyro	537.00	359.92	-46.06	Reflex EZ-Gyro	567.00	1.02	-45.85	Reflex EZ-Gyro
597.00	1.59	-45.58	Reflex EZ-Gyro	627.00	0.34	-45.26	Reflex EZ-Gyro				

Drillhole Information

Easting: 707986.00
Northing: 5490395.00
Elevation: 303.00
Azimuth 14.10
Dip -70.90

Drilling Information

DrillCo: Pikogan
DrillID: PK3
DrillStart: 10-Apr-19
DrillEnd: 12-Apr-19
Length (m): 252.00

Logging Information

LogBy: M. Sokolov (OGQ #1491)
LogStart: 10-Apr-19
LogEnd: 15-Apr-19

Drillhole Summary

Drillhole DO-19-267 is situated in the Porphyry Zone with the collar location at 707980mE / 5490400mN, UTM coordinates, NAD83 Zone 17. It was drilled at an azimuth of 14.0° and inclination of minus 71.0° to a total length of 252 m.

The main objective:

The 2019 drillhole was designed to test the area located up-dip of the syenite-hosted mineralized zone, which was intersected by the drillhole DO-18-254 at 259-324m and which returned 0.72 g/t over 65 m including 1.25 g/t over 27.5 m.

Drillhole Results:

After passing through 49.6 meters of overburden, the drillhole intersected:

- 1)a 55.6-meter long interval of fine-grained, dominantly massive basalt;
- 2)a 25.5-meter long sequence of alternating intervals composed of medium-grained to porphyritic syenite (30%) and sheared, fine-grained basalt (70%) with variable percentages of syenitic injections;
- 3)a 3.75-meter long mineralized deformation zone in mixed syenite-basalt (50-50%);
- 4)a 80.2-meter long interval composed of alternating porphyritic syenite (70%) and fine to medium-grained basalt (30%); and
- 5)37.4 m of fine-grained, massive basalt with 5-10% syenite injections.

49.6-105.2 m (55.6m) Fine-grained to aphanitic basalt, dominantly massive, with variolitic intervals localized in the upper portion of this interval. Basalt is medium green, pervasively chloritized, with patchy and fracture-filling epidote and calcite alteration and minor pink hematite staining on some veinlets. At 81.0-84.6 m – a darker-coloured, strongly magnetic section of possibly magnesian basalt. In most parts, the interval is poorly mineralized by traces to 0.5% pyrite as disseminated grains and occasional pyritized fractures. Basalt is moderately to strongly sheared over 3 meters near the contact with syenite (102-105.2m).

105.2-130.65m (25.5m) Medium-grained to porphyritic syenite alternating with intervals of sheared basalt which contains 5 to 35% syenitic injections. Basaltic intervals predominate over syenitic at a ratio of about 70/30 percent. Basalt is fine-grained, variably magnetic and patchy altered by chlorite, carbonate and biotite. Syenite is hematite and carbonate-altered and appears less deformed than basalt. The whole interval is mineralized by traces to 0.5-2% pyrite as fine disseminated grains and fine-grained aggregates in fractures and shear planes in both basalt and syenite. A notable brittle-ductile deformation zone occurs at 120.7-122.2 m mineralized by 2-4% pyrite as fine to coarse cubic grains and fine-grained aggregates.

130.65-134.4 m (3.75m) A brittle-ductile deformation zone in syenite intermixed with basalt (approximately 50-50%). Both lithologies are strongly altered, bleached, strongly carbonatized, with patchy hematite and sericite alteration. The interval is magnetic due to the presence of fine disseminated magnetite grains. Pyrite occurs throughout in the form of fine to coarse disseminated grains and aggregates in fractures and carbonate-quartz veinlets at concentrations ranging from 1-2% to 5-10%.

134.4-214.6 m (80.2m) Alternating intervals (15-20 meters long) of porphyritic syenite and fine to medium-grained, massive basalt. Syenite is carbonatized, variably hematitized, patchy sericitized, mostly non-magnetic and non-deformed. Basalt is typically magnetic, chloritized, carbonatized and locally patchy epidotized. Common disseminated leucoxene alteration. Locally basalt is sheared and bleached.

Pyrite mineralization is variably distributed within basalt and syenite ranging from traces to 1-2% fine disseminated grains and fine-grained aggregates in fractures. Several intervals, a few dm to 5.5 m long, contain higher amounts of pyrite. Several pyritized fractures oriented at low angles to the core axis occur within syenite.

Notable mineralized intervals:

138.0-142.2m – 2-5% fine-grained pyrite aggregates in fractures, rims of quartz-carbonate veinlets and disseminated grains in hematite and carbonate-altered syenite.

145.0-148.0m – 3-5% to locally 10-15% fine to med-grained pyrite aggregates in fractures and rims of quartz-carbonate veinlets in carbonate-altered syenite with weak hematite and sericite.

149.25-149.8m – strongly sheared and bleached basalt mineralized by 3% pyrite.

161.4-162.1m – 3 to 10% fine-grained pyrite aggregates in fractures and fine to medium-size disseminated grains in strongly microfractured, silicified syenite.

191.25-191.8m – 10-15% fine-grained pyrite aggregates in low-angle fractures and disseminated grains within bleached syenite.

196.6-197.7m – 2-5% fine-grained pyrite aggregates in low-angle fractures and quartz-carbonate veinlets and disseminated grains in fractured syenite.

209.05-209.25m – 5-10% medium-grained pyrite aggregates in a small shear zone in syenite.

214.0-214.85m – a mineralized zone on the contact between syenite and basalt, 1-3% fine and medium-grained pyrite aggregates in fractures and calcite veinlets.

214.6-252.0 m (37.4m) Fine-grained, massive basalt with 5-10% syenite injections. Basalt is weakly to moderately magnetic, pervasively chloritized, patchy carbonatized, with localized yellowish patches of epidote alteration. There are numerous fractures and veinlets of different generations filled by calcite and epidote. Syenite injections are typically strongly carbonatized with weak pink to beige hematite and sericite patches. In general, the interval is mineralized by traces to 1-3% pyrite which occurs in fractures, veins and injections, often along with fine magnetite grains.

Several notable mineralized zones are:

220.5-223.8 m – two mineralized low-angle fractures with 2 to 10-15% fine-grained pyrite.

227.6-231.05m – 2 to 10% pyrite fine to medium disseminated grains and aggregates associated with 10% calcite veins (oriented at low angles) and syenite injections.

233.6-235.4m – 1-5% pyrite medium-size disseminated grains and aggregates in fractures within bleached syenite/basalt with quartz veins.

240.2-246.0m – 1-3% pyrite disseminated grains and medium-grained aggregates associated with syenite injections and calcite veinlets.

Interpretation and Recommendations:

DO-19-267 intersected several mineralized zones ranging from 20 cm to 6 m in length, which could be organized into two broad mineralized domains: approximately at 121-166 m (45m core length) and at 172-246 m (74m core length). Elevated pyrite concentrations (2 to 10%) were frequently observed in zones of brittle deformation within porphyritic syenite and in sheared basalt. Mineralization was commonly associated with pervasive carbonatization of the host rocks and hematite alteration of variable intensity in syenite and syenitic injections within basalt.

The mineralized domains identified in DO-19-267 show good correlation with the domains intersected by the drillhole DO-18-254 at 218-222 m (3m core length) and 259-324 m (65m core length). These zones should be tested as shallow depths. For this reason, two short holes are recommended:

1.The first hole to be drilled from the same setup as DO-19-267 with the collar at 707980mE/5490400mN, at AZ 14.0°, Dip -50-55° to a length of 200-220 m. This hole is projected to intersect two mineralized domains at approximately 100-125 m and 150-170 m.

2.Depending on the results of the first hole, to drill a second hole to further test the updip of these mineralized domains. The location of the follow-up hole should be 70 m north from the collar of DO-19-267, at AZ 14.0°, Dip -55° to a length of 130 m. This hole is projected to intersect one mineralized domain at 80-100 m.

Results:

108.9 - 119 m: 0.273 ppm Au/10.1 m	132.4 - 153 m: 0.599 ppm Au/20.6 m
157 - 167 m: 0.868 ppm Au/10 m	171.3 - 172 m: 0.357 ppm Au/0.70 m
179 - 184 m: 0.752 ppm Au/5 m	190 - 203 m: 0.76 ppm Au/13 m
209 - 210 m: 0.998 ppm Au/1 m	215.35 - 222 m: 0.38 ppm Au/6.65 m
226 - 230 m: 0.341 ppm Au/4 m	234 - 235 m: 0.309 ppm Au/1 m
240 - 243 m: 0.736 ppm Au/3 m	

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19



M. Sokolov (OGQ #1491)

15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	49.60	M-T Mort terrain Overburden and casing.							
49.60	74.20	V3B; VA Basalte; Variolaire Basalt massive, fine-grained with localized variolitic intervals. Medium to dark greenish grey with pale green-grey varioles and epidotized patches. Non-magnetic, moderately hard, weakly to moderately fractured with Cal and Ep infilling. A few mm fractures/veinlets filled by white Cal and Qz with pink Hem staining run at low angles to the core axis (0-20CA) and crosscut older Ep-Cal-filled fractures. These low-angle veinlets are often mineralized by 0.5-1% Py. Mineralization: traces diss Py, occasional pyritized fractures and fine-grained aggregates. Overall, less than 1% Py. 70.0-74.2 m - strong patchy Ep+/-Cal+/-Chl and minor pinkish beige Hem patches. Trace Py. The lower contact is marked at the end of the epidotized zone which ends the variolitic basalt.	49.60	50.30	0.00	V470850	0.0110	Au-ICP21	VO19111121
			50.30	51.00	0.00	V470851	0.0020	Au-ICP21	VO19111121
			51.00	52.00	0.00	V470852	0.0010	Au-ICP21	VO19111121
			52.00	53.00	0.00	V470853	0.0100	Au-ICP21	VO19111121
			53.00	54.00	0.00	V470854	0.0010	Au-ICP21	VO19111121
			54.00	55.00	0.00	V470855	0.0010	Au-ICP21	VO19111121
			55.00	56.00	0.00	V470857	0.0010	Au-ICP21	VO19111121
			56.00	57.00	0.00	V470858	0.0005	Au-ICP21	VO19111121
			57.00	58.00	0.00	V470859	0.0030	Au-ICP21	VO19111121
			58.00	59.00	0.00	V470860	0.0030	Au-ICP21	VO19111121
			59.00	60.00	0.00	V470861	0.0030	Au-ICP21	VO19111121
			60.00	61.00	0.00	V470862	0.0060	Au-ICP21	VO19111121
			61.00	62.00	0.00	V470863	0.0080	Au-ICP21	VO19111121
			62.00	63.00	0.00	V470864	0.0090	Au-ICP21	VO19111121
			63.00	64.00	0.00	V470865	0.0010	Au-ICP21	VO19111121
			64.00	65.00	0.00	V470866	0.0020	Au-ICP21	VO19111121
			65.00	66.00	0.00	V470867	0.0020	Au-ICP21	VO19111121
			66.00	67.00	0.00	V470868	0.0010	Au-ICP21	VO19111121
			67.00	68.00	0.00	V470869	0.0120	Au-ICP21	VO19111121
			68.00	69.00	0.00	V470870	0.0420	Au-ICP21	VO19111121
49.60	71.00	CL; EP- Chloritisation; Épidotisation - Pervasive chloritization, weak patchy Ep. Cal and Ep in fractures. Very minor pink Hem staining on some fractures and veinlets.	69.00	70.00	0.00	V470871	0.0130	Au-ICP21	VO19111121
71.00	74.20	EP+; CB; CL; HM-; AB- Épidotisation +; Carbonatisation; Chloritisation; Hémathisation -; Albitisation Mod-str patchy Ep, wk-mod patchy Cal and Chl, minor patchy Hem and Alb.	70.00	71.00	0.00	V470872	0.0090	Au-ICP21	VO19111121
			71.00	72.00	0.00	V470874	0.0070	Au-ICP21	VO19111121
			72.00	73.10	0.00	V470875	0.0130	Au-ICP21	VO19111121
49.60	74.20	PY00.25	73.10	74.20	0.00	V470876	0.0450	Au-ICP21	VO19111121

Pyrite 0.25%

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
74.20	81.00	V3B	74.20	75.00	0.00	V470877	0.0590	Au-ICP21	VO19111121
		Basalte	75.00	76.00	0.00	V470878	0.0080	Au-ICP21	VO19111121
		Basalt, massive, fine-grained to aphanitic, medium greenish grey, pervasively chloritized, non-magnetic, moderately hard.	76.00	77.00	0.00	V470879	0.0150	Au-ICP21	VO19111121
		Weak to moderate fracturing and mm-cm veining with Ep and Cal infilling.	77.00	78.00	0.00	V470880	0.0050	Au-ICP21	VO19111121
		Minor Hem pink staining on some Qz-Cal-Ep veinlets.	78.00	79.00	0.00	V470881	0.1300	Au-ICP21	VO19111121
		Traces Py, a few occasional pyritized fractures.	79.00	80.00	0.00	V470882	0.0060	Au-ICP21	VO19111121
		The lower contact is arbitrary, marked by changes in grain size, magnetism and colour (alteration).	80.00	81.00	0.00	V470883	0.0050	Au-ICP21	VO19111121

74.20 81.00 CL; EP-; CB-
Chloritisation; Épidotisation -; Carbonatisation -
 Pervasive chloritization, Ep and Cal filling fractures and veinlets.

74.20 82.40 PYtr
Pyrite tr
 Traces Py, occasional pyritized fractures.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
81.00	84.60	V3F	81.00	82.00	0.00	V470884	0.0080	Au-ICP21	VO19111121
		Basalte hyper-magnésien	82.00	83.00	0.00	V470885	0.0140	Au-ICP21	VO19111121
		Magnesian basalt (?), fine-grained, massive, dark to medium grey to greenish grey, mod soft to mod hard to scratch, variably magnetic (wk to str). Pervasive Chl/black Chl and possibly serpentine alteration. Weakly fractured. Some fracture surfaces have slickenside striations.	83.00	84.00	0.00	V470886	0.0020	Au-ICP21	VO19111127
		Mineralization: traces Py diss small cubic grains and occasional pyritized fractures. At 82.4-83.0 m - 2% Py fine-grained masses in fractures and diss.	84.00	85.00	0.00	V470887	0.0030	Au-ICP21	VO19111127
		The lower contact is arbitrary.							

81.00 84.60 CL; ST-; MG
Chloritisation; Serpentinisation -; Magnétite
 Pervasive Chl/black Chl and possibly serpentine alteration. Weak to strong magnetism.

82.40 83.00 PY02
Pyrite 2%
 2% Py fine-grained masses in fractures and diss.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
84.60	105.15	V3B Basalte Basalt, massive, fine to medium-grained, medium to dark greenish grey, pervasively chloritized with localized pale epidotized patches. Becomes dark grey in the lower portion near the contact with syenite. Variably magnetic (non-magn to str magn). Moderate to strong planar and irregular fracturing and mm-cm veining with Ep, Cal and Qz infilling. Minor Hem pink staining on some veinlets (syenitic injections). Locally dissolution cavities. Mineralization: traces to 0.5-1% Py fine to med-size euhedral to subhedral diss grains and fine-grained aggregates in some fractures and veinlets. From 102 to 105.15 m - mod sheared interval with strong Cal and weak-mod patchy Chl+/-Biot alteration; foliation at 30-35CA, tr Py. The lower contact is distinct, at 45CA, mineralized by 2-3% fine Py on both sides.	85.00	86.00	0.00	V470889	0.0010	Au-ICP21	VO19111127
			86.00	87.00	0.00	V470890	0.0005	Au-ICP21	VO19111127
			87.00	88.00	0.00	V470891	0.0020	Au-ICP21	VO19111127
			88.00	89.00	0.00	V470892	0.0010	Au-ICP21	VO19111127
			89.00	90.00	0.00	V470893	0.0030	Au-ICP21	VO19111127
			90.00	91.00	0.00	V470894	0.0070	Au-ICP21	VO19111127
			91.00	92.00	0.00	V470895	0.1790	Au-ICP21	VO19111127
			92.00	93.00	0.00	V470896	0.1070	Au-ICP21	VO19111127
			93.00	94.00	0.00	V470897	0.0680	Au-ICP21	VO19111127
			94.00	94.60	0.00	V470898	0.0090	Au-ICP21	VO19111127
			96.00	97.00	0.00	V470899	0.0230	Au-ICP21	VO19111127
			97.00	98.00	0.00	V470900	0.0590	Au-ICP21	VO19111127
			98.00	99.00	0.00	V470901	0.0460	Au-ICP21	VO19111127
			99.00	100.00	0.00	V470902	0.0260	Au-ICP21	VO19111127
			100.00	101.00	0.00	V470903	0.0110	Au-ICP21	VO19111127
			101.00	102.00	0.00	V470905	0.0170	Au-ICP21	VO19111127
			102.00	103.00	0.00	V470906	0.0020	Au-ICP21	VO19111127
84.60	94.60	CL; EP; CB-; HM--; MG- Chloritisation; Épidotisation; Carbonatisation -; Hématisation --; Magnétit Pervasive chloritization, wk-mod patchy Ep and Cal alteration. Minor pink Hem staining on some veinlets. Variably magnetic (non-magn to str magn).	103.00	104.00	0.00	V470907	0.0340	Au-ICP21	VO19111127
			104.00	104.60	0.00	V470908	0.0190	Au-ICP21	VO19111127
			104.60	105.15	0.00	V470909	0.0540	Au-ICP21	VO19111127
96.00	102.00	CL; CB; HM--; MG Chloritisation; Carbonatisation; Hématisation --; Magnétite Pervasive chloritization, mod patchy to pervasive Cal, minor pink Hem staining in some veinlets and dissolution cavities. No epidote. Weak to strong magnetism.							
102.00	105.15	CL+; CB+; MG; BO-; HM-- Chloritisation +; Carbonatisation +; Magnétite; Biotisation -; Hématisation Mod-str pervasive Chl and Carb, wk-mod patchy Biot, weak patchy pink Hem; wk-mod magnetism.							
83.00	102.00	PY00.25 Pyrite 0.25% Traces to 0.5-1% Py fine to med-size subhedral grains and aggregates in some fractures and veinlets. Locally 2-3% Py.							

102.00	105.10	PYtr Pyrite tr Traces Py.
105.10	105.15	PY02 Pyrite 2% 2% fine Py disseminated in basalt at the contact with an intermediate dyke.
85.00	94.60	FA Fracturé(e) Moderate to strong fracturing and veining, planar and irregular, with braided patterns; Ep, Cal and Qz infilling.
94.60	96.00	CNR Carotte non récupérée CNR 1.4 m
96.00	102.00	FA; Dissolution- Fracturé(e); Cavité de dissolution- Moderate to strong fracturing and veining, planar and irregular with white Carb infilling. Locally dissolution cavities with colorless to pink Cal crystals and tr Py.
102.00	102.60	Dissolution Cavité de dissolution Dissolution cavities with colorless to pink Cal crystals and tr Py.
103.10	105.15	CS Cisaillé(e) 35° SHEAR ZONE Mod-str sheared interval with intermittently developed foliation at 30-35CA. At105.7 m - a Syenite injection crosscuts the foliation and is crosscut by a pink-white Qz-Cal veinlet.

35

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
105.15	107.25	I2D (V3B); CS Syénite avec 5 à 25% de basalte 45°; Cisaillé Syenite with a distinct upper contact at 45CA. The lower contact is not obvious, possibly boudinaged.	105.15	106.00	0.00	V470910	0.0150	Au-ICP21	VO19111127
			106.00	106.65	0.00	V470911	0.0160	Au-ICP21	VO19111127
			106.65	107.25	0.00	V470912	0.2120	Au-ICP21	VO19111127
		The rock is medium grey with pink to mauve Hem patches, medium to fine-grained, pervasively carbonatized, mod magnetic (due to fine diss Mgt grains), hard. It is contaminated by mafic material and contains 3-5% zones of sheared, Chl-Biot-altered basalt. Intermittent wk-mod developed foliation at 35CA.							

Mineralization: 0.5 to 2-3% Py fine diss grains and fine-grained aggregates in fractures and shear planes, Trace Cpy near the upper contact.

105.15	107.25	CB+; MG; HM-; BO--; CL-- Carbonatisation +; Magnétite; Hématisation -; Biotisation --; Chloritisation Mod-str pervasive Carb, wk-mod patchy Hem. Weak to mod Chl+/-Biot in sheared fragments of basalt. Wk to mod magnetism.
105.15	107.25	PY01.5; CPtr Pyrite 1.5%; Chalcopryrite tr 0.5 to 2-3% Py fine diss grains and fine-grained aggregates in fractures and shear planes, Trace Cpy near the upper contact.
105.15	107.25	CS; FA Cisaillé(e) 35°; Fracturé(e) Weak-mod sheared syenite with intermittent foliation at 35CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
107.25	108.90	V3B I2D; CS Basalte avec 25 à 50% de syénite 35°; Cisaillé Mod to strongly sheared basalt mixed with 25-35% syenite. The interval has a heterogeneous, mottled appearance, composed of light grey, dark grey, beige, pink alternating shear bands. Pervasively to patchy carbonatized, chloritized, mod magnetic, with minor pink Hem patches. Mod to strongly-developed foliation at 30-35CA defined by Chl+/-Biot fabrics, Carb veinlets and pinkish syenite injections. Mineralization: traces to 0.5% Py very fine to small grains in shear planes. Traces Cpy. The lower contact is distinct, at 35CA.	107.25	108.00	0.00	V470913	0.0310	Au-ICP21	VO19111127
			108.00	108.90	0.00	V470914	0.0120	Au-ICP21	VO19111127
107.25	108.90	CB+; CL; BO; HM-; MG Carbonatisation +; Chloritisation; Biotisation; Hématisation -; Magnétite Mod-str pervasive to patchy Carb (calcite), patchy Chl+/-Biot (shear fabrics), minor patchy Hem. Wk-mod magnetism.							
107.25	108.90	PY00.5; CPtr Pyrite 0.5%; Chalcopryrite tr Traces to 0.5% Py very fine to small grains in shear planes. Traces Cpy.							
107.25	108.90	CS+ Cisaillé(e)+ 35°							35

SHEAR ZONE

Mod to strongly-developed foliation at 30-35CA defined by Chl+/-Biot fabrics, Carb veinlets and pinkish syenite injections.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
108.90	113.20	I2D	108.90	110.00	0.00	V470915	0.3410	Au-ICP21	VO19111127
		Syénite 35°	110.00	111.00	0.00	V470916	0.1770	Au-ICP21	VO19111127
		Syenite, medium-grained to porphyritic, rather uniform, non-deformed, medium mauve-red. Near the upper contact it is dark mauve due to contamination by basalt. Moderate pervasive Hem alteration, patchy and interstitial Carb around Fsp grains. Possibly minor Qz. The rock is mostly non-magnetic except a few weakly magnetic spots. Minor fractures at 35-40CA. Mineralization: 0.5-1% Py fine grains and fine-grained aggregates in microfractures; 1-3% Py small to coarse cubic grains in zones contaminated by basalt.	111.00	112.00	0.00	V470917	0.2620	Au-ICP21	VO19111127
			112.00	112.60	0.00	V470918	1.2050	Au-ICP21	VO19111127
			112.60	113.20	0.00	V470919	0.8400	Au-ICP21	VO19111127
		The lower contact is distinct, at 40CA. Both contacts (upper and lower) are generally concordant to the foliation/shear. The contact zone is mineralized with 1-3% fine Py on both sides.							
108.90	113.20	HM; CB							
		Hématisation; Carbonatisation							
		Pervasive Hem alteration, patchy and interstitial Carb around Fsp grains.							
108.90	113.20	PY00.75							
		Pyrite 0.75%							
		0.5-1% Py fine grains and fine-grained aggregates in microfractures; 1-3% Py small to coarse cubic grains in zones contaminated by basalt.							
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
113.20	123.85	V3B (I2D)	113.20	114.00	0.00	V470920	0.1720	Au-ICP21	VO19111127
		Basalte avec 5 à 25% de syénite 40°	114.00	115.00	0.00	V470922	0.1990	Au-ICP21	VO19111127
		Basalt intermixed with syenite injections (5-15%) of mm to dm scale. The interval is strongly deformed - fractured, sheared, in parts mylonitic, boudinaged. It has a mottled appearance, medium to dark grey, brown with a stockwork of numerous white Carb fractures and mm veinlets. Basalt is fine-grained, patchy altered, Chl, Biot, Carb (calcite), wk-mod magnetic. Syenite is grey, pinkish grey, fine-grained, wk-mod magnetic, strongly carbonatized, with weak patchy pink Hem and beige Ser alteration.	115.00	116.00	0.00	V470923	0.0050	Au-ICP21	VO19111127
			116.00	117.00	0.00	V470924	0.0130	Au-ICP21	VO19111127
			117.00	118.00	0.00	V470925	0.1710	Au-ICP21	VO19111127
			118.00	119.00	0.00	V470926	0.1870	Au-ICP21	VO19111127
			119.00	120.00	0.00	V470927	0.0400	Au-ICP21	VO19111127
			120.00	121.00	0.00	V470928	0.0680	Au-ICP21	VO19111127
			121.00	122.00	0.00	V470929	0.0780	Au-ICP21	VO19111127

Mineralization: 0.5-1% Py fine to med-size and coarse grains and fine-grained masses in fract, veinlets.
Up to 4% Py in the main mineralized zone at 120.7-122.2 m.

122.00	123.00	0.00	V470930	0.0190	Au-ICP21	VO19111127
123.00	123.85	0.00	V470931	0.0190	Au-ICP21	VO19111127

The lower contact is arbitrary, marked at the end of strong deformation.

113.20	123.85	CB+; CL; BO; HM-; SR-; MG Carbonatisation +; Chloritisation; Biotisation; Hématisation -; Séricitisation Mod-str patchy Chl, Biot and Carb (calcite) alteration in basalt. Mod-str patchy Carb and weak patchy pink Hem and beige Ser alteration in syenite. Wk-mod magnetism due to the presence of small diss Mgt grains.	
113.20	113.25	PY02 Pyrite 2% 1-3% Py fine cubic grains in basalt at the contact with syenite.	
113.25	115.95	PY00.25 Pyrite 0.25% Traces to 0.5% Py fine grains and aggregates in fractures, diss.	
115.95	116.20	PY01 Pyrite 1% 1% Py fine-grained aggregates in a syenite fragment/injection.	
116.20	117.00	PY01 Pyrite 1% 0.5-1% Py small to med-size cubic grains disseminated in basalt.	
117.00	120.70	PY01 Pyrite 1% Traces to 1-2% Py fine grains and aggregates in some fractures and Cal veinlets, very fine diss grains.	
120.70	122.20	PY03; CPtr Pyrite 3%; Chalcopyrite tr MINERALIZED ZONE 2-4% Py fine to coarse cubic grains and fine-grained aggregates, diss, in fractures, veinlets. Traces Cpy.	
122.20	123.85	PY01 Pyrite 1% Traces to 0.5-1% Py fine grains and fine-grained aggregates in fractures, veinlets	
113.20	123.85	CS+; FA+ Cisaillé(e)+ 35°; Fracturé(e)+	35

DEFORMATION ZONE

Strong fracturing, intermittently developed foliation at angles ranging from 25 to 45CA, locally boudinage, folding, brecciation. The foliation is defined by Chl and Biot fabrics and Carb veinlets.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
123.85	130.65	V3B Basalte Basalt, fine-grained, massive, rather uniform, medium greenish grey, pervasively chloritized, patchy carbonatized, wk magnetic. Cut by a stockwork of 5-10% greenish white Cal mm-cm veinlets/fractures, often oriented at 50-60CA. Weak pink Hem staining on some veinlets. Minor disseminated beige leucoxene. Mineralization: traces to 0.5-2% Py in some veinlets, traces to 0.5% Py fine diss grains. The lower contact is distinct, at 30CA, mineralized on the syenite side.	123.85	124.35	0.00	V470932	0.0100	Au-ICP21	VO19111127
			124.35	125.00	0.00	V470933	0.0180	Au-ICP21	VO19111127
			125.00	126.00	0.00	V470934	0.0320	Au-ICP21	VO19111127
			126.00	127.00	0.00	V470935	0.0170	Au-ICP21	VO19111127
			127.00	128.00	0.00	V470937	0.0070	Au-ICP21	VO19111127
			128.00	129.00	0.00	V470938	0.0130	Au-ICP21	VO19111127
			129.00	130.00	0.00	V470939	0.0230	Au-ICP21	VO19111127
			130.00	130.65	0.00	V470940	0.0410	Au-ICP21	VO19111127
		Sheared syenite dyke/injection at 124.35-125.75 m (described in LITHO 2).							
124.35	125.75	I2D (V3B); CS Syénite avec 5 à 25% de basalte 15°; Cisailé An intermediate dyke, probably highly altered syenite with a distinct upper contact marked by a 3 cm wide Qz vein at 45CA and an irregular lower contact. The rock is light to medium grey, composed of 20-25% white Plg carbonatized phenocrysts in medium to fine-grained groundmass. The matrix is strongly carbonatized, patchy silicified and sericitized, moderately soft to moderately hard to scratch, non-magnetic, cut by several white Qz veinlets. One Qz vein crosscuts a mineralized fracture oriented parallel to the core axis. Mineralization: 0.5-2% Py fine to coarse subhedral to euhedral grains and fine to medium-grained aggregates in fractures, rims of veins, diss.							
123.85	124.35	CL; CB; MG; HM-- Chloritisation; Carbonatisation; Magnétite; Hémathisation -- Mod pervasive to patchy Chl, Ca in basalt; wk-mod magnetic. Weak pink Hem staining on some Cal veinlets.							

124.35	125.75	CB+; HM; CL; SR-; MG Carbonatisation +; Hématisation; Chloritisation; Séricitisation -; Magnétit Mod-str pervasive Carb, weak patchy Hem, Chl and Ser alteration in syenite. Specular Hem, fibrous Ser and green Chl or Amph in shear planes and fractures. Minor disseminated leucoxene in basalt along the contacts with syenite.
125.75	130.65	CL; CB; HM--; MG- Chloritisation; Carbonatisation; Hématisation --; Magnétite - Mod-str pervasive Chl and Carb (calcite), minor disseminated leucoxene, weak magnetism. Weak pink Hem staining on some Carb veinlets.
123.85	124.35	PY00.5 Pyrite 0.5% Traces to 0.5% diss fine Py. At 124.15-124.20 m -10% fine-grained Py masses around fragment of Cal vein (syen?).
124.35	125.75	PY00.5 Pyrite 0.5% Traces to 0.5-1% Py very fine grains diss and in fractures in syenite; fine-grained aggregates along the contacts with basalt.
125.75	130.65	PY01 Pyrite 1% Traces to 0.5-2% Py in some Cal veinlets, traces to 0.5% Py fine diss grains.
124.35	125.75	CS Cisaillé(e) 12° Sheared syenite along the contact with the host basalt; wk-mod developed foliation at 10-15CA; boudinaged along contacts.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
130.65	134.40	I2D V3B Syénite avec 25 à 50% de basalte 30° Syenite intermixed with Basalt (50-50%), both strongly altered, bleached, deformed and mineralized. The interval has a heterogeneous appearance. The original textures are mostly destroyed. Alteration patterns help to identify the protoliths. Syenite is dark mauve to pink and grey-beige with patchy Hem, Carb (Cal, Dol) and Ser alteration. Basalt is bleached, light grey-beige, pervasively Carb-Ser altered. Locally centimetric remnants of chloritized basalt.	130.65	131.65	0.00	V470942	0.0210	Au-ICP21	VO19111127
			131.65	132.40	0.00	V470943	0.0840	Au-ICP21	VO19111127
			132.40	133.40	0.00	V470944	0.1800	Au-ICP21	VO19111127
			133.40	134.40	0.00	V470945	0.0570	Au-ICP21	VO19111127

The unit is weakly to strong magnetic, very hard to mod hard, irregularly fractured, locally brecciated and in places exhibits weakly developed foliation. Mineralization: 1-2% to 5-10% Py fine to coarse disseminated cubic grains and fine to med-grained aggregates in fractures and Carb and Qz-Carb veinlets.

The lower contact is distinct, at 45CA.

130.65 134.40 CB+; HM; SR; Si-; MG
Carbonatisation +; Hématisation; Séricitisation; Silicification -; Magnétite
 Mod to strong patchy to pervasive Carb (Cal, Dol), wk-mod patchy Hem, Sil and Ser alteration.
 Weak to strong magnetism (fine Mgt grains, disseminated and forming chains of grains).

130.65 134.40 PY05; CPtr
Pyrite 5%; Chalcopyrite tr
 MINERALIZED ZONE
 1-2% to 5-10% Py fine to coarse disseminated cubic grains and fine to med-grained aggregates in fractures, in Carb and Qz-Carb veinlets.

130.65 134.40 FA; CS; BX-
Fracturé(e); Cisailé(e); Bréchique-
 DEFORMATION ZONE
 Mod-str fractured and sheared mixed Syenite/Basalt interval. Locally brecciated and in places exhibits weakly developed foliation.
 Fractures are planar and irregular. Some fractures and Qz-Carb veinlets are at 20CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
134.40	150.95	I2D Syénite 45° Syenite, medium-grained to porphyritic, rather uniform, medium pink-beige to light buff and yellowish beige. The Plg grains are variably altered, colorless to yellowish grey (Carb, Ser), and are surrounded by fine-grained, variably carbonatized, hematitized and locally sericitized groundmass. Possibly minor Qz grains. Non-magnetic. Weak to moderate fracturing and Qz-Carb veining. At least two generations of structures: 1) fractures and veinlets at 5 to 35CA, often mineralized; 2) 1% veinlets composed of colorless Qz and white Carb at 50-65CA, which appear younger, crosscutting other fractures, and typically non-mineralized.	134.40	135.00	0.00	V470946	0.0130	Au-ICP21	VO19111127
			135.00	136.00	0.00	V470947	0.1330	Au-ICP21	VO19111127
			136.00	137.00	0.00	V470948	0.0850	Au-ICP21	VO19111127
			137.00	138.00	0.00	V470949	0.2260	Au-ICP21	VO19111127
			138.00	139.00	0.00	V470950	0.1210	Au-ICP21	VO19111127
			139.00	140.00	0.00	V470951	0.4120	Au-ICP21	VO19111127
			140.00	141.00	0.00	V470953	0.2000	Au-ICP21	VO19111127
			141.00	142.00	0.00	V470954	0.0990	Au-ICP21	VO19111127
			142.00	143.00	0.00	V470955	0.1250	Au-ICP21	VO19111127
			143.00	144.00	0.00	V470956	0.0350	Au-ICP21	VO19111127
			144.00	145.00	0.00	V470957	0.0790	Au-ICP21	VO19111127

		Mineralization: traces to 1% Py in bleached intervals without Hem, 1-3% to up to 10-15% Py in intervals with Hem+Carb+/-Ser alteration. Fine to med-grained aggregates in fractures, rims of Qz-Carb veinlets, disseminated.	145.00	146.00	0.00	V470958	1.9900	Au-ICP21	VO19111127
			146.00	147.00	0.00	V470959	4.3500	Au-ICP21	VO19111127
			147.00	148.00	0.00	V470960	1.5500	Au-ICP21	VO19111127
			148.00	149.00	0.00	V470961	0.2370	Au-ICP21	VO19111127
		At 149.25-149.8 m - strongly sheared and bleached basalt mineralized by 3% Py.	149.00	150.00	0.00	V470962	1.3950	Au-ICP21	VO19111127
			150.00	150.95	0.00	V470963	0.1430	Au-ICP21	VO19111127
		The lower contact of the unit is distinct, at 25CA.							
149.25	149.80	V3B (I2D); CS Basalte avec 5 à 25% de syénite 35°; Cisailé An intermediate dyke, probably highly altered syenite with a distinct upper contact marked by a 3 cm wide Qz vein at 45CA and an irregular lower contact. The rock is light to medium grey, composed of 20-25% white Plg carbonatized phenocrysts in medium to fine-grained groundmass. The matrix is strongly carbonatized, patchy silicified and sericitized, moderately soft to moderately hard to scratch, non-magnetic, cut by several white Qz veinlets. One Qz vein crosscuts a mineralized fracture oriented parallel to the core axis. Mineralization: 0.5-2% Py fine to coarse subhedral to euhedral grains and fine to medium-grained aggregates in fractures, rims of veins, diss.							
134.40	142.20	HM; CB; SR- Hématisation; Carbonatisation; Séricitisation - Moderate pervasive Hem and Carb, minor Ser in fractures, interstitial.							
142.20	145.00	CB; SR Carbonatisation; Séricitisation Mod--str pervasive Carb and patchy Ser; no Hem.							
145.00	149.25	CB; HM-; SR- Carbonatisation; Hématisation -; Séricitisation - Mod-str pervasive Carb, wk-mod patchy Hem and Ser.							
149.25	149.80	CB++; SR-; HM- Carbonatisation ++; Séricitisation -; Hématisation - Strong pervasive Carb and minor patchy Ser and Hem.							
149.80	150.95	CB; SR-- Carbonatisation; Séricitisation -- Mod-str pervasive Carb, weak patchy Ser.							
134.40	138.00	PY00.75 Pyrite 0.75% 0.5-1% Py fine-grained aggregates in fractures, stringers. Traces diss Py.							

138.00	142.20	PY03 Pyrite 3% MINERALIZED ZONE 2-5% Py fine-grained aggregates in fractures, rims of Qz-Carb veinlets, diss grains.
142.20	145.00	PY00.75 Pyrite 0.75% Traces to 1% Py fine-grained aggregates in fractures, diss.
145.00	148.00	PY07 Pyrite 7% MINERALIZED ZONE 3-5% to locally 10-15% Py fine to med-grained aggregates in fractures and rims of Qz-Carb veinlets.
148.00	149.25	PY01.5 Pyrite 1.5% 0.5-2% Py fine-grained aggregates in fractures.
149.25	149.80	PY03 Pyrite 3% 3% Py fine and med-size diss subhedral to euhedral grains and aggregates in strongly sheared and carbonatized basalt within syenite.
149.80	150.95	PY00.75 Pyrite 0.75% Traces to 0.5-1% fine Py in fractures, rims of Qz-Carb veinlets.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
150.95	154.15	V3B	150.95	152.00	0.00	V470964	0.7190	Au-ICP21	VO19111127
		Basalte 25°	152.00	153.00	0.00	V470965	0.1690	Au-ICP21	VO19111127
		Basalt, fine-grained, massive.	153.00	154.15	0.00	V470966	0.0800	Au-ICP21	VO19111127
		From 150.95 to 152.50 m - basalt is medium grey, magnetic, weakly chloritized and moderately carbonatized; cut by 2-3% white Carb (calcite) mm veinlets at 35-45CA. Mineralized by traces to 0.5% Py fine diss grains and fine-grained masses in fractures.							
		From 152.50 to 154.15 m - basalt is mod-str bleached, pervasively carbonatized and weakly sericitized, non-magnetic, wk-mod fractured, traces Py.							
		The lower contact is distinct at 25CA, planar, with slickenside striations. Over							

the last 20-25 cm near the lower contact, basalt is strongly fractured, cut by Qz-Carb veinlets and mineralized by 0.5-1% cubic Py.

150.95 152.50 CB; CL-; MG
Carbonatisation; Chloritisation -; Magnétite
 Mod-str pervasive Carb, weak pervasive to patchy Chl, wk-mod magnetic.

152.50 154.15 CB++
Carbonatisation ++
 Strong bleaching, pervasive Carb, minor Ser, non-magnetic.

150.95 152.50 PY00.25
Pyrite 0.25%
 Traces to 0.5% Py fine diss grains, in some fractures.

152.50 153.90 PYtr
Pyrite tr
 Traces Py

153.90 154.15 PY00.75
Pyrite 0.75%
 0.5-1% Py fine to med-size disseminated subhedral to euhedral grains, in fractures.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
154.15	170.55	I2D Syénite 25° Syenite, medium-grained to porphyritic, rather uniform, medium pink-beige to grey. The Plg grains are variably altered, colorless to grey (Carb, Ser), and are surrounded by fine-grained, carbonatized and variably hematitized groundmass. Non-magnetic. A few Qz-Carb veinlets at 10CA and occasional variably oriented colorless silica mm-cm veinlets. Locally mod to strong fracturing (fault zones ?) Mineralization: 0.5-3% Py fine disseminated grains and fine to med-grained aggregates in fractures and rims of occasional Qz-Carb veinlets. 161.4-162.1 m – 3 to 10% Py fine-grained aggregates in fractures and fine to med-size disseminated cubic grains in a strongly microfractured, silicified interval. The lower contact is not distinct, rather gradational over ~5 cm.	154.15	155.00	0.00	V470967	0.0310	Au-ICP21	VO19111127
			155.00	156.00	0.00	V470968	0.0060	Au-ICP21	VO19111127
			156.00	157.00	0.00	V470970	0.0060	Au-ICP21	VO19111127
			157.00	158.00	0.00	V470971	0.1460	Au-ICP21	VO19111127
			158.00	159.00	0.00	V470972	0.1900	Au-ICP21	VO19111127
			159.00	160.00	0.00	V470973	0.0430	Au-ICP21	VO19111127
			160.00	161.00	0.00	V470974	0.1950	Au-ICP21	VO19111127
			161.00	162.00	0.00	V470975	0.6320	Au-ICP21	VO19111127
			162.00	163.00	0.00	V470976	2.4100	Au-ICP21	VO19111127
			163.00	164.00	0.00	V470977	0.4120	Au-ICP21	VO19111127
			164.00	165.00	0.00	V470978	4.1500	Au-ICP21	VO19111127
			165.00	166.00	0.00	V470979	0.2480	Au-ICP21	VO19111127
			166.00	167.00	0.00	V470980	0.2570	Au-ICP21	VO19111127
			167.00	168.00	0.00	V470981	0.0430	Au-ICP21	VO19111127
154.15	157.15	CB; HM-; SR-; MG-	168.00	169.00	0.00	V470982	0.0630	Au-ICP21	VO19111127

		Carbonatisation; Hematisation -; Sericitisation -; Magnetite -	169.00	170.00	0.00	V470983	0.0450	Au-ICP21	VO19111127
		Mod-str pervasive Carb, weak patchy Hem, Ser; wk magnetic near the contact with the upper basalt.	170.00	170.55	0.00	V470985	0.0100	Au-ICP21	VO19111127
157.15	161.40	HM; CB							
		Hématisation; Carbonatisation							
		Moderate pervasive Hem and Carb alteration of the groundmass.							
161.40	162.10	Si; CB; HM							
		Silicification; Carbonatisation; Hématisation							
		Silicified and weakly hematitized strongly fractured syenite with Carb in microfractures.							
162.10	164.50	HM; CB							
		Hématisation; Carbonatisation							
		Moderate pervasive Hem and Carb alteration of the groundmass.							
164.50	167.65	CB; HM-							
		Carbonatisation; Hématisation -							
		Moderate pervasive Carb. Weak Hem alteration decreases downhole.							
167.65	170.55	CB; Si; CL--							
		Carbonatisation; Silicification; Chloritisation --							
		Moderate to strong pervasive Carb and silicification. Minor Chl (? or green Amph) in some fractures and interstitial.							
154.15	161.40	PY01.5							
		Pyrite 1.5%							
		0.5-2% Py fine diss grains and fine-grained aggregates in fractures and rims of occasional Qz-Carb veinlets.							
161.40	162.10	PY05							
		Pyrite 5%							
		MINERALIZED ZONE							
		3 to 10% Py fine-grained aggregates in fractures and fine to med-size disseminated cubic grains in a strongly microfractured, silicified syenite.							
162.10	165.90	PY01.5							
		Pyrite 1.5%							
		0.5 to 2-3% Py fine diss grains and fine-grained aggregates in fractures.							
165.90	169.60	PY00.25							
		Pyrite 0.25%							
		Traces to 0.5% Py diss, in some fractures.							
169.60	170.00	PY02.5							
		Pyrite 2.5%							
		1-3% Py fine-grained aggregates in fractures, diss.							

170.00	170.55	PYtr Pyrite tr Traces to 0,5% Py.
161.40	162.10	FA+ Fracturé(e)+ Mod-str irregular microfracturing with Carb infilling.
164.30	166.00	FA+ Fracturé(e)+ Mod-str fracturing; possibly two fault zones at 164.5-164.7 m and 165.7-165.9 m

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate			
170.55	190.85	V3B; GM Basalte; Grains moyens Basalt fine to medium-grained (gabbroic) with <5% Syenite injections. Medium greyish green with yellowish green epidotized patches, pervasively chloritized and carbonatized. Weakly to strongly magnetic due to the presence of fine Mgt as diss grains, aggregates and small stringers. Common disseminated leucoxene. Syenite injections are typically irregular, a few cm in size, fine to medium-grained. The rock is moderately fractured, cut by a stockwork of 2-5% mm-cm veinlets filled by Cal, Ep and Qz. Mineralization: frequent fine-grained Py+/-Mgt+/-Cal aggregates in fractures, disseminated Py grains; overall, 1 to 5% Py. 189.0-190.85 m – bleached, strongly sheared interval with 1-3% Py stringers. The lower contact is distinct, at ~70CA.	170.55	171.30	0.00	V470986	0.0700	Au-ICP21	VO19111127			
			171.30	172.00	0.00	V470987	0.3570	Au-ICP21	VO19111127			
			172.00	173.00	0.00	V470988	0.0300	Au-ICP21	VO19111127			
			173.00	174.00	0.00	V470989	0.0330	Au-ICP21	VO19111127			
			174.00	175.00	0.00	V470990	0.0900	Au-ICP21	VO19111127			
			175.00	176.00	0.00	V470991	0.0270	Au-ICP21	VO19111127			
			176.00	177.00	0.00	V470992	0.0970	Au-ICP21	VO19111127			
			177.00	178.00	0.00	V470993	0.0420	Au-ICP21	VO19111127			
			178.00	179.00	0.00	V470994	0.0180	Au-ICP21	VO19111127			
			179.00	180.00	0.00	V470995	1.7900	Au-ICP21	VO19111127			
			180.00	181.00	0.00	V470996	0.0920	Au-ICP21	VO19111127			
			181.00	182.00	0.00	V470997	1.0350	Au-ICP21	VO19111127			
			182.00	183.00	0.00	V470998	0.0340	Au-ICP21	VO19111127			
			183.00	184.00	0.00	V470999	0.8080	Au-ICP21	VO19111127			
			184.00	185.00	0.00	V471001	0.0360	Au-ICP21	VO19111127			
			185.00	186.00	0.00	V471002	0.0150	Au-ICP21	VO19111127			
			186.00	187.00	0.00	V471003	0.0070	Au-ICP21	VO19111127			
			187.00	188.00	0.00	V471004	0.0110	Au-ICP21	VO19111127			
			170.55	186.80	CL; CB; CB-; HM--; MG Chloritisation; Carbonatisation; Carbonatisation -; Hématisation --; Magn Mod-str pervasive Chl and Carb, wk-mod patchy and fracture-filling Ep, locally minor pink or brownish Hem in syenite injections. Wk to str magnetic. Fine to med-size disseminated leucoxene-altered grains.	188.00	189.00	0.00	V471005	0.0120	Au-ICP21	VO19111127
						189.00	190.00	0.00	V471006	0.0590	Au-ICP21	VO19111127
190.00	190.85	0.00				V471007	0.2920	Au-ICP21	VO19111127			

186.80	189.00	CL; CB Chloritisation; Carbonatisation Mod-str pervasive Chl and Carb, disseminated Lx. Non-magnetic. No epidote.
189.00	190.85	CB+; SR-- Carbonatisation +; Séricitisation -- Mod-str bleaching, pervasive Carb (dolomite). Minor Fuch in foliation planes. Disseminated leucoxene.
170.55	171.85	PY00.5 Pyrite 0.5% Traces to 0.5% Py.
171.85	189.00	PY03; MG Pyrite 3%; Magnétite Frequent fine-grained Py aggregates in fractures and veinlets, often along with fine grains and aggregates of Mgt and Cal. Also, fine to med-size disseminated Py grains. Overall, 2-5% Py.
189.00	190.85	PY02 Pyrite 2% 1-3% Py fine-grained stringers in shear planes.
170.55	189.00	FA Fracturé(e) Moderate fracturing and veining with Cal and lesser Ep infilling. Fractures and veinlets are variably oriented at angles ranging from 0 to 90CA.
189.00	190.85	CS+ 35 Cisaillé(e)+ 35° Sheared bleached basalt with moderately to well-developed foliation at 30-40CA.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
190.85	214.60	I2D Syénite 70° Syenite, medium-grained to porphyritic, variably altered, medium pink-beige, light grey, mauve. Subhedral Plg grains are partially to completely altered, (Carb, Ser, saussuritized), and are surrounded by fine-grained, carbonatized and variably hematitized groundmass. The unit is mostly non-magnetic, except several magnetic spots. Locally patchy Ser and Sil alteration. Locally mod to str fracturing; occasional Qz-Carb veinlets (<1%), mm-cm wide, oriented at 15 to 65CA; some veinlets have pyritized rims. At 206.5-207.85 m - sheared, bleached basalt intermixed with syenite,	190.85	191.85	0.00	V471009	6.2200	Au-ICP21	VO19111127
			191.85	192.45	0.00	V471010	0.2900	Au-ICP21	VO19111127
			192.45	193.00	0.00	V471011	0.4170	Au-ICP21	VO19111127
			193.00	194.00	0.00	V471012	0.0370	Au-ICP21	VO19111127
			194.00	195.00	0.00	V471013	0.0200	Au-ICP21	VO19111127
			195.00	196.00	0.00	V471014	0.6610	Au-ICP21	VO19111127
			196.00	197.00	0.00	V471015	0.5650	Au-ICP21	VO19111127
			197.00	198.00	0.00	V471016	0.0810	Au-ICP21	VO19111127
			198.00	199.00	0.00	V471017	0.6410	Au-ICP21	VO19111127

		pervasively carbonatized, patchy sericitized, with fine diss leucoxene.	199.00	200.00	0.00	V471018	0.1640	Au-ICP21	VO19111127
		Mineralization: traces to 0.5-2% Py fine to med grains and aggregates in fractures.	200.00	201.00	0.00	V471019	0.1250	Au-ICP21	VO19111127
			201.00	202.00	0.00	V471020	0.3650	Au-ICP21	VO19111127
			202.00	203.00	0.00	V471021	0.3500	Au-ICP21	VO19111127
		191.25-191.8 m – 10-15% fine-grained Py in low-angle fractures.	203.00	204.00	0.00	V471022	0.0480	Au-ICP21	VO19111127
		196.6-197.7 m – 3-5% Py in low-angle fract and Qz-Carb veinlets.	204.00	205.00	0.00	V471023	0.0430	Au-ICP21	VO19111127
		209.05-209.25 m – 5-10% Py in a shear zone.	205.00	206.00	0.00	V471024	0.0050	Au-ICP21	VO19111127
			206.00	207.00	0.00	V471026	0.0110	Au-ICP21	VO19111127
		The lower contact is not sharp, gradational over 5 cm, slightly sheared at 45CA. Both Syenite and Basalt are mineralized at the contact with 1-3% Py.	207.00	208.00	0.00	V471027	0.0320	Au-ICP21	VO19111127
203.15	204.80	V3B I2D; CS	208.00	209.00	0.00	V471028	0.0390	Au-ICP21	VO19111127
		Basalte avec 25 à 50% de syénite; Cisailé	209.00	210.00	0.00	V471029	0.9980	Au-ICP21	VO19111127
		An intermediate dyke, probably highly altered syenite with a distinct upper contact marked by a 3 cm wide Qz vein at 45CA and an irregular lower contact.	210.00	211.00	0.00	V471030	0.0690	Au-ICP21	VO19111127
		The rock is light to medium grey, composed of 20-25% white Plg carbonatized phenocrysts in medium to fine-grained groundmass. The matrix is strongly carbonatized, patchy silicified and sericitized, moderately soft to moderately hard to scratch, non-magnetic, cut by several white Qz veinlets. One Qz vein crosscuts a mineralized fracture oriented parallel to the core axis.	211.00	212.00	0.00	V471031	0.0220	Au-ICP21	VO19111127
			212.00	213.00	0.00	V471032	0.0340	Au-ICP21	VO19111127
			213.00	214.00	0.00	V471033	0.0590	Au-ICP21	VO19111127
			214.00	214.60	0.00	V471034	0.0510	Au-ICP21	VO19111127
		Mineralization: 0.5-2% Py fine to coarse subhedral to euhedral grains and fine to medium-grained aggregates in fractures, rims of veins, diss.							
206.50	207.85	V3B (I2D); CS							
		Basalte avec 5 à 25% de syénite; Cisailé							
		An intermediate dyke, probably highly altered syenite with a distinct upper contact marked by a 3 cm wide Qz vein at 45CA and an irregular lower contact.							
		The rock is light to medium grey, composed of 20-25% white Plg carbonatized phenocrysts in medium to fine-grained groundmass. The matrix is strongly carbonatized, patchy silicified and sericitized, moderately soft to moderately hard to scratch, non-magnetic, cut by several white Qz veinlets. One Qz vein crosscuts a mineralized fracture oriented parallel to the core axis.							
		Mineralization: 0.5-2% Py fine to coarse subhedral to euhedral grains and fine to medium-grained aggregates in fractures, rims of veins, diss.							
190.85	192.60	CB; Si; SR; HM--; MG--							
		Carbonatisation; Silicification; Séricitisation; Hémathisation --; Magnétite --							
		Mod-str bleaching, pervasive Carb, Sil, +/-Ser, veru minor Hem. Locally							

		magnetite.
192.60	196.30	HM; CB; SR- Hématisation; Carbonatisation; Séricitisation - Mod perv to patchy Hem, pervasive Carb, weak patchy Ser (interstitial and on Plg grains). Non-magnetic.
196.30	203.15	CB; HM; Si-; SR-; MG-- Carbonatisation; Hématisation; Silicification -; Séricitisation -; Magnétite - Mod-str Carb (interstitial, in fractures, Plg grains), wk-mod Hem (patchy to pervasive in matrix), locally patchy Sil, Ser. Mostly non-magnetic except a few wk-mod magnetic spots.
203.15	204.80	CB+; SR; HM-; Si-; MG-- Carbonatisation +; Séricitisation; Hématisation -; Silicification -; Magnétit Patchy bleached syenite with fragments of strongly bleached basalt. Strong pervasive Carb, wk-mod patchy Ser/wk Fuchsite in basalt. Weak patchy Hem+/-Sil+/-Carb in syenite. Locally weakly magnetic.
204.80	206.50	HM; CB; SR-; Si-; MG- Hématisation; Carbonatisation; Séricitisation -; Silicification -; Magnétite - Mod-str pervasive Hem, Carb, minor Ser, patchy Sil. Non-magnetic to weakly magnetic.
206.50	207.85	CB+; SR-; MG Carbonatisation +; Séricitisation -; Magnétite Strong pervasive Carb, minor Ser, disseminated leucoxene, wk-mod magnetic (diss fine grains and thin streaks of Mgt).
207.85	214.60	HM; CB; Si-; SR-; MG-; CL-- Hématisation; Carbonatisation; Silicification -; Séricitisation -; Magnétite - Weak to strong patchy to pervasive Hem, Carb, locally patchy Sil, Ser, non-magn to wk magn. Minor Chl in fractures and interstices near the lower contact.
190.85	191.25	PY01 Pyrite 1% 1% Py diss, in fractures.
191.25	191.80	PY10 Pyrite 10% MINERALIZED ZONE 10-15% Py fine-grained aggregates in low-angle fractures and fine to med diss cubic grains.
191.80	192.60	PY01 Pyrite 1% 0.5-2% Py fine diss and in fractures.

192.60	196.60	PY00.25 Pyrite 0.25% Traces to 0.5% Py diss, in fractures.	
196.60	197.70	PY03 Pyrite 3% MINERALIZED ZONE 2-5% Pyfine to med-grained aggregates in low-angle fractures and Qz-Carb veinlets, disseminated cubic grains.	
197.70	199.30	PY00.25 Pyrite 0.25% Traces to 0.5% Py fine diss grains, in some fractures.	
199.30	204.80	PY01.5 Pyrite 1.5% MINERALIZED ZONE 0.5-3% Py fine to med grains and aggregates in fractures, rims of Qz-Carb veinlets and disseminated.	
204.80	206.50	PY00.25 Pyrite 0.25% Traces to 0.5% Py fine diss grains, in some fractures.	
206.50	207.85	PY01 Pyrite 1% 0.5-2% Py fine diss grains and fine-grained aggregates in fractures within sheared and bleached Basalt+Syenite interval.	
207.85	209.05	PYtr Pyrite tr Traces to 0.25% Py diss, in fractures.	
209.05	209.25	PY07 Pyrite 7% MINERALIZED ZONE 5-10% Py med-grained aggregates in a shear zone.	
209.25	214.00	PYtr Pyrite tr Traces to 0.5% Py diss, in fractures.	
214.00	214.85	PY02 Pyrite 2% Mineralized contact between syenite and basalt; 1-3% Py fine and med-grained aggregates in fractures, Cal veinlets.	
191.25	192.50	FA Fracturé(e) 15° Mod-str fracturing with Carb infilling, often at 10-25CA.	15

197.00	197.70	FA	25
		Fracturé(e) 25°	
		Mod-str fracturing at 60 and 15-30CA, Qz-Carb veining at 15-30CA.	
206.50	207.85	CS	45
		Cisaillé(e) 45°	
		Moderately sheared bleached Basalt+Syenite interval with fractures and intermittent wk-mod developed foliation at 45CA.	
209.05	209.25	CS	40
		Cisaillé(e) 40°	
		A small shear zone at 35-45CA, mineralized.	
213.00	214.60	CS	40
		Cisaillé(e) 40°	
		Wk-mod sheared and fractured syenite at ~40CA.	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
214.60	252.00	V3B (I2D)	214.60	215.35	0.00	V471035	0.0280	Au-ICP21	VO19111127
		Basalte avec 5 à 25% de syénite 45°	215.35	216.00	0.00	V471036	1.1300	Au-ICP21	VO19111127
		Basalt with 5-10% Syenite injections.	216.00	217.00	0.00	V471037	0.1020	Au-ICP21	VO19111127
		Basalt is fine-grained, massive, medium greenish grey, pervasively chloritized, with localized yellowish Ep patches and fracture-fillings. Moderate to strong patchy Carb (calcite) in matrix. Numerous fractures and veinlets of different generations are mostly filled by white calcite. Calcite-filled fractures crosscut epidote patches. Two sets of fractures are quite notable: at 5-25CA and at 50-70C. Overall, 5-7% veinlets, mm to a few cm wide, variably oriented, planar and irregular, often discontinuous, fragmented. Locally minor brecciation.	217.00	218.00	0.00	V471038	0.1270	Au-ICP21	VO19111127
			218.00	219.00	0.00	V471039	0.5120	Au-ICP21	VO19111127
			219.00	220.00	0.00	V471041	0.0340	Au-ICP21	VO19111127
			220.00	221.00	0.00	V471042	0.1960	Au-ICP21	VO19111127
			221.00	222.00	0.00	V471043	0.8210	Au-ICP21	VO19111127
			222.00	223.00	0.00	V471044	0.0720	Au-ICP21	VO19111127
		The interval is variably magnetic (magn to non-magn) due to the presence of fine-grained Mgt aggregates in fractures and rims of some Cal veinlets.	223.00	224.00	0.00	V471045	0.0180	Au-ICP21	VO19111127
		Syenite injections are typically strongly carbonatized with very weak pink to beige Hem+/-Ser patches.	224.00	225.00	0.00	V471046	0.0500	Au-ICP21	VO19111127
			225.00	226.00	0.00	V471047	0.0670	Au-ICP21	VO19111127
			226.00	227.00	0.00	V471048	0.5200	Au-ICP21	VO19111127
			227.00	228.00	0.00	V471049	0.6920	Au-ICP21	VO19111127
		<1% late Qz veins in slightly bleached, carbonatized intervals.	228.00	229.00	0.00	V471050	0.0410	Au-ICP21	VO19111127
			229.00	230.00	0.00	V471051	0.1110	Au-ICP21	VO19111127
		Mineralization: traces to 1-3% Py in fractures, veins, injections.	230.00	231.00	0.00	V471052	0.0370	Au-ICP21	VO19111127
		220.5-223.8 m – two mineralized low-angle fractures (0-15CA) with 2 to 10-15% fine-grained Py; crosscut by non-mineralized Cal-Qz veinlets at 50-60CA.	231.00	232.00	0.00	V471053	0.0040	Au-ICP21	VO19111127
		227.6-231.05 m – 2-10% Py fine-med cubic grains and aggregates associated with 10% Cal veins (at low angles) and syenite injections.	232.00	233.00	0.00	V471054	0.0110	Au-ICP21	VO19111127
		233.6-235.4 m –1-5% Py med-size cubic grains diss and in fractures within bleached syenite/basalt with Qz veins.	233.00	234.00	0.00	V471055	0.0440	Au-ICP21	VO19111127
			234.00	235.00	0.00	V471057	0.3090	Au-ICP21	VO19111127
		240.2-246.0 m – 1-3% Py small cubic grains and medium-grained aggregates	235.00	236.00	0.00	V471058	0.0790	Au-ICP21	VO19111127
			236.00	237.00	0.00	V471059	0.0100	Au-ICP21	VO19111127

		associated with syenite injections and Cal veinlets at 15-25CA.	237.00	238.00	0.00	V471060	0.0100	Au-ICP21	VO19111127
			238.00	239.00	0.00	V471061	0.0690	Au-ICP21	VO19111127
		EOH	239.00	240.00	0.00	V471062	0.0120	Au-ICP21	VO19111127
219.70	220.70	I2	240.00	241.00	0.00	V471063	2.0300	Au-ICP21	VO19111127
		Intrusif intermédiaire 45°	241.00	242.00	0.00	V471064	0.0340	Au-ICP21	VO19111127
		An intermediate dyke, probably highly altered syenite with a distinct upper contact marked by a 3 cm wide Qz vein at 45CA and an irregular lower contact.	242.00	243.00	0.00	V471065	0.1430	Au-ICP21	VO19111127
		The rock is light to medium grey, composed of 20-25% white Plg carbonatized phenocrysts in medium to fine-grained groundmass. The matrix is strongly carbonatized, patchy silicified and sericitized, moderately soft to moderately hard to scratch, non-magnetic, cut by several white Qz veinlets. One Qz vein crosscuts a mineralized fracture oriented parallel to the core axis.	243.00	244.00	0.00	V471066	0.0480	Au-ICP21	VO19111127
			244.00	245.00	0.00	V471067	0.0250	Au-ICP21	VO19111127
		Mineralization: 0.5-2% Py fine to coarse subhedral to euhedral grains and fine to medium-grained aggregates in fractures, rims of veins, diss.	245.00	246.00	0.00	V471068	0.0140	Au-ICP21	VO19111127
			246.00	247.00	0.00	V471069	0.0050	Au-ICP21	VO19111127
			247.00	248.00	0.00	V471070	0.0290	Au-ICP21	VO19111127
			248.00	249.00	0.00	V471071	0.0490	Au-ICP21	VO19111127
			249.00	250.00	0.00	V471072	0.0400	Au-ICP21	VO19111127
			250.00	251.00	0.00	V471074	0.0430	Au-ICP21	VO19111127
			251.00	252.00	0.00	V471075	0.0210	Au-ICP21	VO19111127
214.60	217.65	EP; CB; CL; HM--; MG							
		Épidotisation; Carbonatisation; Chloritisation; Hémathisation --; Magnétite							
		Mod-str patchy Ep, patchy Chl and Cal, very weak pink-beige Hem staining on some veinlets and syenite injections. Wk-mod magnetism.							
217.65	227.60	CL; CB; EP-; HM--; MG							
		Chloritisation; Carbonatisation; Épidotisation -; Hémathisation --; Magnétit							
		Mod-str pervasive to patchy Chl, Cal, variably magnetic. Cal and Chl in fractures. Some fractures are filled by Cal and fine-grained Mgt. Locally weak patchy Hem in syenite injections. Locally minor patchy and fracture-filling Ep.							
227.60	231.05	CB; CL; HM-; MG							
		Carbonatisation; Chloritisation; Hémathisation -; Magnétite							
		Mod-str pervasive Chl and Cal, minor patchy Hem, wk-mod magnetic.							
231.05	232.50	CL; CB; EP-; MG							
		Chloritisation; Carbonatisation; Épidotisation -; Magnétite							
		Mod-str pervasive Chl, Cal, minor patchy Ep; wk-mod magnetic.							
232.50	235.40	CB+; CL-; HM-; SR-							
		Carbonatisation +; Chloritisation -; Hémathisation -; Séricitisation -							
		Mod-str pervasive Carb, wk patchy and fracture-filling Chl, wk patchy Hem and Ser; non-magnetic.							

235.40	240.20	CL; CB; EP; MG Chloritisation; Carbonatisation; Épidotisation; Magnétite Mod-str pervasive Chl, weak-mod patchy Cal and Ep, variably magnetic (non-magn to str magn).
240.20	246.00	CL; CB; HM-; SR-- Chloritisation; Carbonatisation; Hématisation -; Séricitisation -- Mod-str pervasive Chl and Cal, weak patchy pink-beige Hem +/-Ser. Non-magnetic to weakly magnetic.
246.00	252.00	CL; CB; EP; HM- Chloritisation; Carbonatisation; Épidotisation; Hématisation - Mod-str pervasive Chl, wk-mod patchy Cal, Ep, locally weak pink Hem. Non-magnetic to weakly magnetic.
214.85	217.65	PY00.25 Pyrite 0.25% Traces to 0.5% Py fine to med-grained aggregates in some fractures, diss.
217.65	218.45	PY02 Pyrite 2% 1-3% Py medium to fine-grained aggregates in fractured, bleached basalt.
218.45	219.70	PY00.5 Pyrite 0.5% Traces to 1% Py fine and med-grained aggregates in fractures.
219.70	220.70	PY01.5 Pyrite 1.5% 0.5-2% Py fine to coarse subhedral to euhedral grains and fine to medium-grained aggregates in fractures, rims of veins, disseminated in highly carbonatized syenite.
220.70	224.00	PY01 Pyrite 1% Traces to 1-2% Py fine to medium-grained aggregates in some fractures, Cal veinlets, syenite injections. At 220.5-223.8 m – mineralized low-angle fractures (0-15CA) with 1 -2% up to 10-15% fine-grained Py.
224.00	227.60	PY01 Pyrite 1% 0.5 to 1-2% Py fine to med-grained irregular aggregates with Cal and fine Mgt, in fractures.

227.60	231.05	PY05; CPtr Pyrite 5%; Chalcopyrite tr MINERALIZED ZONE 2 to 10% Py medium and small disseminated cubic grains and medium to fine-grained aggregates around low-angle Cal veins, in fractures. Traces Cpy in veins.	
232.50	233.60	PYtr Pyrite tr Traces Py.	
233.60	235.40	PY03 Pyrite 3% MINERALIZED ZONE 1-5% Py med-size cubic grains diss and in fractures.	
235.40	240.20	PY01.5 Pyrite 1.5% 0.5-2% Py fine to med-grained irregular aggregates with Cal and fine Mgt, in fractures.	
240.20	246.00	PY02 Pyrite 2% MINERALIZED ZONE 0.5 to 2-3% Py small cubic grains and fine to medium-grained aggregates associated with syenite injections and Cal veinlets.	
246.00	252.00	PY00.5 Pyrite 0.5% Traces to 1% Py fine-grained aggregates.	
222.20	222.60	CS- Cisaillé(e)- 32° A small shear zone with moderately-developed foliation at 30-35CA.	32
223.85	224.10	CS Cisaillé(e) 35° A small shear zone in syenite/basalt with moderately-developed foliation at 35CA.	35
224.10	231.50	FA+ Fracturé(e)+ Mod-str fracturng and veining at variable angles. One distinct set of fractures and irregular veinlets is at 0-15CA, another set is at 35 to 65CA. Calcite infilling.	
240.20	246.00	FA+ Fracturé(e)+ 20° Mod-str fracturing and Cal veining at 15-25CA. Locally brecciation.	20

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	14.10	-70.90	Collar	81.00	11.94	-68.64	Reflex EZ-Gyro	111.00	10.79	-68.53	Reflex EZ-Gyro
141.00	12.45	-68.33	Reflex EZ-Gyro	171.00	13.01	-68.19	Reflex EZ-Gyro	201.00	13.53	-67.99	Reflex EZ-Gyro
231.00	12.64	-68.03	Reflex EZ-Gyro	246.00	13.44	-67.48	Reflex EZ-Gyro				

Drillhole Information

Easting: 708045.00
Northing: 5490273.00
Elevation: 304.00
Azimuth 359.70
Dip -56.10

Drilling Information

DrillCo: Pikogan
DrillID: PK1
DrillStart: 11-Apr-19
DrillEnd: 14-Apr-19
Length (m): 357.00

Logging Information

LogBy: E. Stavre (OGQ #2144)
LogStart: 12-Apr-19
LogEnd: 15-Apr-19

Drillhole Summary

XY handheld GPS coordinates from file provided by E. Stavre, 17-Jun-19; Z determined by pressing XY to topographic surface used in the Micon 2018 resource estimate - V. Park, 9-Jul-19

Results:

266.5 - 273.5 m: 1.893 ppm Au/7 m
277 - 279.5 m: 0.58 ppm Au/2.5 m
283.5 - 285.4 m: 0.285 ppm Au/1.90 m
296 - 296.5 m: 0.255 ppm Au/0.5 m
300.2 - 301 m: 0.705 ppm Au/0.80 m
315 - 316 m: 0.252 ppm Au/1 m
328 - 329 m: 5.3 ppm Au/1 m
335 - 338.5 m: 0.999 ppm Au/3.5 m
343.7 - 344.6 m: 0.707 ppm Au/0.90 m



E. Stavre (OGQ #2144)
15-Mar-21

Lithology and Assay Results

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
0.00	60.00	M-T Mort terrain OB, Boulders, mostly basalts clay cemented.							
60.00	95.70	V3B; AP Basalte; Aphanitique Description: Basalt Color:green Granulation: fine Texture: massive, Structure:strongly decreasing fractured, weakly foliated at 50 deg tca, moderate mm size to 1.2cm at:shear shear at66.8m 67.3m, 69.35m-69.6m, at 50 deg tca, overall up to 5% cal/chl stringers erratic with up to 5% late calcite filling tension gashes approx high angle tca cros cutting foliation. One major sher at 35 deg tca at 87.1m-88.7m marking LC. Alteration: strong pervasive chlorite, strong pervasive calcite, moderate to strong epidote stringers to weak patches flakes with patchy silicification, weak chlorite. weakly dark biotite/talc(87.1m-88.7m). Patchy weak hematite. Mineralization;MNZ 66.8m- 67.3m up to 4% mg subehuidral diss'd to Py stringers, shear controlled at approx 30 deg, 68m-68.3m, up to 3% mg subehuidral diss'd to Py stringers, shear controlled at approx 30 deg tca,69.4m-69.7m up to 3% mg subehuidral diss'd to Py stringers, shear controlled at approx 30 deg 87.1m-88.7m up to 3% mg to vfg Py, subehuidral, to diss'd Py stringers with chlorite slip controlled overall shear controlled. Contacts: Lower cnct is sheared at 87.1m-88.7m ,45 deg tca, with strong biotite/chlorite/hematite pervasive to patchy decreasing. at approx 35 deg tca.MNZ is up to 3% mg to fg diss'd to stringers.Hem'd.	60.00	61.00	0.00	V469085	0.0030	Au-ICP21	VO19115620
			61.00	62.00	0.00	V469086	0.0010	Au-ICP21	VO19115620
			62.00	63.00	0.00	V469087	0.0020	Au-ICP21	VO19115620
			63.00	64.00	0.00	V469089	0.0030	Au-ICP21	VO19115620
			64.00	65.00	0.00	V469090	0.0020	Au-ICP21	VO19115620
			65.00	66.00	0.00	V469091	0.0020	Au-ICP21	VO19115620
			66.00	67.00	0.00	V469092	0.0030	Au-ICP21	VO19115620
			67.00	68.00	0.00	V469093	0.0040	Au-ICP21	VO19115620
			68.00	69.00	0.00	V469094	0.0030	Au-ICP21	VO19115620
			69.00	70.00	0.00	V469095	0.0020	Au-ICP21	VO19115620
			70.00	71.00	0.00	V469096	0.0020	Au-ICP21	VO19115620
			71.00	72.00	0.00	V469097	0.0010	Au-ICP21	VO19115620
			72.00	73.00	0.00	V469098	0.0040	Au-ICP21	VO19115620
			73.00	74.00	0.00	V469099	0.0030	Au-ICP21	VO19115620
			74.00	75.00	0.00	V469100	0.0030	Au-ICP21	VO19115620
			75.00	76.00	0.00	V469101	0.0020	Au-ICP21	VO19115620
			76.00	77.00	0.00	V469102	0.0020	Au-ICP21	VO19115620
			77.00	78.00	0.00	V469103	0.0130	Au-ICP21	VO19115620
			78.00	79.00	0.00	V469105	0.0030	Au-ICP21	VO19115620
			79.00	80.00	0.00	V469106	0.0050	Au-ICP21	VO19115620
			80.00	81.00	0.00	V469107	0.0050	Au-ICP21	VO19115620
			81.00	82.00	0.00	V469108	0.0050	Au-ICP21	VO19115620
			82.00	83.00	0.00	V469109	0.0040	Au-ICP21	VO19115620
60.00	87.10	CC-MG; CL; EP Calcite-Magnétite; Chloritisation; Épidotisation	83.00	84.00	0.00	V469110	0.0070	Au-ICP21	VO19115620
			84.00	85.00	0.00	V469111	0.0040	Au-ICP21	VO19115620

87.10	88.70	Alteration: strong pervasive chlorite, strong pervasive calcite, moderate to strong epidote stringers to weak patches flakes with patchy silicification, weak chlorite. BO; TC; HM-CB	85.00	86.00	0.00	V469112	0.0040	Au-ICP21	VO19115620
			86.00	87.00	0.00	V469113	0.0090	Au-ICP21	VO19115620
			87.00	88.00	0.00	V469114	0.0160	Au-ICP21	VO19115620
66.80	67.30	Biotisation; Tacification; Hématite-Carbonate weakly dark biotite/talc(87.1m-88.7m). Patchy weak hematite. PY04 Pyrite 4% Mineralization;MNZ 66.8m- 67.3m up to 4% mg subehuidral diss'd to Py stringers, shear controlled at approx 30 deg,	88.00	89.00	0.00	V469115	0.0090	Au-ICP21	VO19115620
			89.00	90.00	0.00	V469116	0.0080	Au-ICP21	VO19115620
			90.00	91.00	0.00	V469117	0.0110	Au-ICP21	VO19115620
			91.00	92.00	0.00	V469118	0.0030	Au-ICP21	VO19115620
			92.00	93.00	0.00	V469119	0.0050	Au-ICP21	VO19115620
			93.00	94.00	0.00	V469120	0.0060	Au-ICP21	VO19115620
			94.00	95.00	0.00	V469122	0.0050	Au-ICP21	VO19115620
			95.00	96.00	0.00	V469123	0.0060	Au-ICP21	VO19115620

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
95.70	126.10	V3B; MG; CO Basalte 50°; Magnétique; Coussiné Description:Basalt Overall non magnetic with patchy magnetic where massive unit(~113m-116m) Color: Green, to dk green Texture; V3B wide space pillows to amygdoidal flow, wide spaced cal/ep altered selvages fol concordant. with <2% massive (<10cm) units, Structure; weakly fol'd at ~45-50 deg tca.4-5% calcite filled tension gashes high angle tca.Up to 5% cal hairline to mm size cal/ep stringers mostly fol concordant with 1% late low angle tca carbonate/ep/ser stringers. Structure;Shear units at 90.6m-90.7m 1cm band at 30 deg tca, One strong Shear cm size at 95.4-m-95.7m at 60 deg tca, 20% calcite filled styliolites, mm size offset, fractured unit down to 102.1m ep/ser/carb filling fracture to tension gashes to styliolites? of felsic content. 92m-93m en-echellon mm size to boudinaged calcite/sericite veinlets Alteration: 95.7m-102m strong ep/sereicite bleached alteration patches overprinting with lesser stronger calcite/ep overprinting stringers to fract filling.Overall moderate patchy Ep/cal/weakly chl'c patchy to semi to pervasive decreasing. 102.1m few<10cm calcite overprinted ammphibole patches. 124.8m-126.1m stronger ep/sericite/calcite patches to semipervasive changing into stringers to fracture filling. Distal shearing. Mineralization; MNZ at 92.1m-92.66 up to 2% mg to fg diss'd to Py stringes shear controlled at 45 deg tca, 95m-95.7m up to 5% mg to fg diss'd to blebby Py with 1-2% Py stringers, shear controlled, 114m-114.34m2-3% mg diss'd to Py stringers, shear controlled. Contacts: LC is graditionla at 70 deg tca strong sericite/carbonate bleaching with up to 1% mg diss'd to fract filling Py.	96.00	97.00	0.00	V469124	0.0050	Au-ICP21	VO19115620
			97.00	98.00	0.00	V469125	0.0020	Au-ICP21	VO19115620
			98.00	99.00	0.00	V469126	0.0020	Au-ICP21	VO19115620
			99.00	100.00	0.00	V469127	0.0020	Au-ICP21	VO19115620
			100.00	101.00	0.00	V469128	0.0020	Au-ICP21	VO19115620
			101.00	102.00	0.00	V469129	0.0010	Au-ICP21	VO19115620
			102.00	103.00	0.00	V469130	0.0020	Au-ICP21	VO19115620
			103.00	104.00	0.00	V469131	0.0010	Au-ICP21	VO19115620
			104.00	105.00	0.00	V469132	0.0010	Au-ICP21	VO19115620
			105.00	106.00	0.00	V469133	0.0020	Au-ICP21	VO19115620
			106.00	107.00	0.00	V469134	0.0040	Au-ICP21	VO19115620
			107.00	108.00	0.00	V469135	0.0010	Au-ICP21	VO19115639
			108.00	109.00	0.00	V469137	0.0050	Au-ICP21	VO19115639
			109.00	110.00	0.00	V469138	0.0110	Au-ICP21	VO19115639
			110.00	111.00	0.00	V469139	0.0020	Au-ICP21	VO19115639
			111.00	112.00	0.00	V469140	0.0030	Au-ICP21	VO19115639
			112.00	113.00	0.00	V469141	0.0010	Au-ICP21	VO19115639
			113.00	114.00	0.00	V469142	0.0090	Au-ICP21	VO19115639
			114.00	115.00	0.00	V469143	0.0030	Au-ICP21	VO19115639
			115.00	116.00	0.00	V469144	0.0010	Au-ICP21	VO19115639
116.00	117.00	0.00	V469145	0.0060	Au-ICP21	VO19115639			
117.00	118.00	0.00	V469146	0.0020	Au-ICP21	VO19115639			
118.00	119.00	0.00	V469147	0.0010	Au-ICP21	VO19115639			
119.00	120.00	0.00	V469148	0.0005	Au-ICP21	VO19115639			
120.00	121.00	0.00	V469149	0.0060	Au-ICP21	VO19115639			

95.70	102.10	CL; EP; HM-CB	121.00	122.00	0.00	V469150	0.0260	Au-ICP21	VO19115639
		Chloritisation; Épidotisation; Hématite-Carbonate	122.00	123.00	0.00	V469151	0.0020	Au-ICP21	VO19115639
		Alteration: 95.7m-102m strong ep/sereicite bleached alteration patches overprinting with lesser stronger calcite/ep overprinting stringers to fract filling only. Overall moderate patchy Ep/carb/weakly chl'c/cal patchy to	123.00	124.00	0.00	V469153	0.0020	Au-ICP21	VO19115639
			124.00	125.00	0.00	V469154	0.0010	Au-ICP21	VO19115639
			125.00	126.00	0.00	V469155	0.0005	Au-ICP21	VO19115639

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
126.10	154.50	V3B; AP	126.00	127.00	0.00	V469156	0.0005	Au-ICP21	VO19115639
		Basalte; Aphanitique	127.00	128.00	0.00	V469157	0.0005	Au-ICP21	VO19115639
		Description: Basalt	128.00	129.00	0.00	V469158	0.0005	Au-ICP21	VO19115639
		Color green to dk green	129.00	130.00	0.00	V469159	0.0005	Au-ICP21	VO19115639
		Texture; massive, <1% <10cm pillow units,	130.00	131.00	0.00	V469160	0.0020	Au-ICP21	VO19115639
		Structure; upper unit is fractured with ep/ser/carb filled fracures decreasing, weakly fol at 50 deg tca, One hydrothermal breccia @ 129.17m-129.37m subrounded fragments, strongly hem/carbonate overprinted.Rhyodacite stringers around the fracures mm size.High angle tca with up 70 deg tca at best.One crackle breccia at 137.05m137.2m subrounded fragments, ser/calc altered matrix.1.3cm felsic xenolith trapped inside breccia.	131.00	132.00	0.00	V469161	0.0010	Au-ICP21	VO19115639
		Alteration; Mostly moderate chl/carbonate weak hematite with moderate to strong epidote fracture filling only.Car/chl/weak ep stringers. Semipervasive biotite. Weak hem patch. Up to 1% hairline carb/ep stringers to mm size.	132.00	133.00	0.00	V469162	0.0005	Au-ICP21	VO19115639
		Mineralization: MNZ trace to <0.5% mg diss'd to stringers throughout	133.00	134.00	0.00	V469163	0.0010	Au-ICP21	VO19115639
		Contacts: LC is weakly sheared at 50 deg tca with felsic digestion bands up to 6cm. MNZ is up to 1% mg to fg Py stringers.	134.00	135.00	0.00	V469164	0.0005	Au-ICP21	VO19115639
			135.00	136.00	0.00	V469165	0.0020	Au-ICP21	VO19115639
			136.00	137.00	0.00	V469166	0.0020	Au-ICP21	VO19115639
			137.00	138.00	0.00	V469167	0.0005	Au-ICP21	VO19115639
			138.00	139.00	0.00	V469168	0.0010	Au-ICP21	VO19115639
			139.00	140.00	0.00	V469170	0.0005	Au-ICP21	VO19115639
			140.00	141.00	0.00	V469171	0.0005	Au-ICP21	VO19115639
151.30	151.50	V1; PO	141.00	142.00	0.00	V469172	0.0005	Au-ICP21	VO19115639
		Volcanique felsique non divisé; Porphyrique	142.00	143.00	0.00	V469173	0.0010	Au-ICP21	VO19115639
		356.5m.357m syenite/basalt alternating bands sheared at 45-50 deg tca.Mnz 4-5% mg to fg shear controlled.	143.00	144.00	0.00	V469174	0.0005	Au-ICP21	VO19115639
			144.00	145.00	0.00	V469175	0.0005	Au-ICP21	VO19115639
			145.00	146.00	0.00	V469176	0.0010	Au-ICP21	VO19115639
126.10	154.50	CL; EP; CB	146.00	147.00	0.00	V469177	0.0005	Au-ICP21	VO19115639
		Chloritisation; Épidotisation; Carbonatisation	147.00	148.00	0.00	V469178	0.0005	Au-ICP21	VO19115639
		Alteration; Mostly moderate chl/carbonate weak hematite with moderate to strong epidote fracture filling only.Car/chl/weak ep stringers. Semipervasive biotite. Weak hem patch. Up to 1% hairline carb/ep stringers to mm size.	148.00	149.00	0.00	V469179	0.0005	Au-ICP21	VO19115639
			149.00	150.00	0.00	V469180	0.0010	Au-ICP21	VO19115639
			150.00	151.00	0.00	V469181	0.0040	Au-ICP21	VO19115639
154.30	154.50	PY01	151.00	152.00	0.00	V469182	0.0005	Au-ICP21	VO19115639
		Pyrite 1%	152.00	153.00	0.00	V469183	0.0005	Au-ICP21	VO19115639
		Contacts: LC is weakly sheared at 50 deg tca with felsic digestion bands up to 6cm. MNZ is up to 1% mg to fg Py stringers.	153.00	154.00	0.00	V469185	0.0005	Au-ICP21	VO19115639
			154.00	155.00	0.00	V469186	0.0010	Au-ICP21	VO19115639

129.17	129.37	T1A	70						
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate

154.50 160.40 V3B; AP; V1
Basalte; Aphanitique; Volcanique felsique non divisé
Description; Basalt with <20% Rhyodacite
Color; dk green to bleached
Texture; altered to massive on volcanics with porphyritic for rhyo-dacite rounded feldspar phenos coarser grain
Structure; fractured unit with <5% stepping ep/ser/cal stringers to fract filling. Volcanics appear to be sheared around the syenite intrusives and the later are less sheared, one shear at 155.7m mm size to 1cm band ser/ep/carbonate at 50 deg tca, one shear at 157m 1cm band strong ser/ep bleached patches. Matrix is strongly biotite/chlorite altered volcanic. 151.3m-151.5m one sericite bleached porphyritic syenite at 70 deg tca, Barren. One syenite unit at 160.1m-160.4m marking LC at 65deg tca, Barren.
Alteration; A mixture of strong chlorite/biotite/ hematite/carb on mafics with strong ser/hem/carb/ patches on the volcanics Semipervasive bio. Alternating. 160.1m-160.4m strong porphyry sericite bleaching marking up LC. Patchy magnetite throughout with magnetite diss'd to stringers around mafic/felsic contacts. Patchy moderate hematite.
Mineralization; MNZ trace to 1% mg diss'd Py at best. up to 3% magnetite diss'd to stringers.
Contacts; LC is sheared sericite bleached syenite with few porphyry fragments where basalt digestion. strong patchy carbonate/hematite with 4cm strong K-spar pervasive overprinting.

160.10 160.40 V1; PO
Volcanique felsique non divisé 65°; Porphyrique
356.5m-357m syenite/basalt alternating bands sheared at 45-50 deg tca. Mnz 4-5% mg to fg shear controlled.

160.10 160.40 SR; HM-CB; AB; EP
Séricitisation; Hématite-Carbonate; Albitisation; Épidotisation
Alteration; A mixture of strong chlorite/biotite/ hematite/carb on the volcanics with strong ser/hem/carb patches on the porphyry. Alternating. 160.1m-160.4m strong porphyry sericite bleaching marking up LC. Patchy magnetite throughout with magnetite diss'd to stringers around mafic/felsic contacts. Patchy moderate hematite.

160.10 160.40 PY01; MG03
Pyrite 1%; Magnétite 3%
Mineralization; MNZ trace to 1% mg diss'd Py at best. up to 3% magnetite diss'd to stringers.

155.70 155.80 CS 50
Cisaillé(e) 50°
Structure; fractured unit with <5% stepping ep/ser/cal stringers to fract

155.00	156.00	0.00	V469187	0.0030	Au-ICP21	VO19115639
156.00	157.00	0.00	V469188	0.0040	Au-ICP21	VO19115639
157.00	158.00	0.00	V469189	0.0010	Au-ICP21	VO19115639
158.00	159.00	0.00	V469190	0.0010	Au-ICP21	VO19115639
159.00	160.00	0.00	V469191	0.0020	Au-ICP21	VO19115639

filling. Volcanics appear to be sheared around the syenite intrusives and the later are less sheared, one shear at 155.7m mm size to 1cm band ser/ep/carbonate at 50 deg tca,

157.00 157.10 CS 70

Cisaillé(e) 70°

one shear at 157m 1cm band strong ser/ep bleached patches. Matrix is strongly biotite/chlorite altered volcanic.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
160.40	167.80	V3B; AP; V1; PO Basalte; Aphanitique; Volcanique felsique non divisé; Porphyrique Description; Basalt with <10% rhyodacite Color; dk green to bleached Texture; fractured fine grain volcanics with mm size feldspar phenos, equigranular coarse granulation Structure; fractured unit with <10% extrusive rhyo-dacite weakly sheared to faint foliation throughout. One crackled breccia at 167.2m-167.36m. at 50 deg tca. Matrix is strongly biotite/chlorite altered volcanic. Alteration; A mixture of strong chlorite/biotite/ hematite/carb on the volcanics with strong ser/hem/carb patches on the porphyry. Alternating. Patchy magnetite throughout with magnetite diss'd to stringers around mafic/extrusive contacts. Patchy moderate hematite. Mineralization; MNZ trace to 1% mg diss'd Py at best. up to 2% magnetite diss'd to stringers. Contacts; LC is qtz/sericite/2cm veinlets controlled at 45 deg tca. Barren.	160.00	161.00	0.00	V469192	0.0070	Au-ICP21	VO19115639
			161.00	162.00	0.00	V469193	0.0030	Au-ICP21	VO19115639
			162.00	163.00	0.00	V469194	0.0060	Au-ICP21	VO19115639
			163.00	164.00	0.00	V469195	0.0040	Au-ICP21	VO19115639
			164.00	165.00	0.00	V469196	0.0020	Au-ICP21	VO19115639
			165.00	166.00	0.00	V469197	0.0010	Au-ICP21	VO19115639
			166.00	167.00	0.00	V469198	0.0010	Au-ICP21	VO19115639
			167.00	168.00	0.00	V469199	0.0010	Au-ICP21	VO19115639
160.40	167.80	BO; CB; EP; SR; SR Biotisation; Carbonatisation; Épidotisation; Séricitisation; Séricitisation Alteration; A mixture of strong chlorite/biotite/ hematite/carb on the volcanics with strong ser/hem/carb patches on the porphyry. Alternating. Patchy magnetite throughout with magnetite diss'd to stringers around mafic/felsic contacts. Patchy moderate hematite.							
167.20	167.36	T1A Brèche de faille 50° Structure; fractured unit with <10% felsic porphyry weakly sheared to faint foliation throughout. One crackled breccia at 167.2m-167.36m. at 50 deg tca. Matrix is strongly biotite/chlorite altered volcanic.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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167.80	180.30	V3B; GF	168.00	169.00	0.00	V469201	0.0020	Au-ICP21	VO19115639
		Basalte; Grains fins	169.00	170.00	0.00	V469202	0.0030	Au-ICP21	VO19115639
		Description; Basalt	170.00	171.00	0.00	V469203	0.0020	Au-ICP21	VO19115639
		Color; green to dk green	171.00	172.00	0.00	V469204	0.0020	Au-ICP21	VO19115639
		Granulation fine aphanitic	172.00	173.00	0.00	V469205	0.0030	Au-ICP21	VO19115639
		Texture;massive	173.00	174.00	0.00	V469206	0.0080	Au-ICP21	VO19115639
		Structure; fractured with strong shear zone at 175.2m-180.3m at 55 deg tca, 10% boudinage fragments calcite/sericite altered, concordant shearing.	174.00	175.00	0.00	V469207	0.0430	Au-ICP21	VO19115639
		Alteration; 175.2m-180.3m strong chlorite/carbonate/sericite bands up to 1cm concordant alternating. Alternating bio bands elongated Otherwise moderate pervasive chlorite/carbonate, weakly hematite.	175.00	176.00	0.00	V469209	0.0030	Au-ICP21	VO19115639
		Mineralization; trace to 1% mg diss'd overall.	176.00	177.00	0.00	V469210	0.0200	Au-ICP21	VO19115639
			177.00	178.00	0.00	V469211	0.0130	Au-ICP21	VO19115639
			178.00	179.00	0.00	V469212	0.0080	Au-ICP21	VO19115639
			179.00	180.00	0.00	V469213	0.0130	Au-ICP21	VO19115639

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
180.30	184.35	V3B; V1	180.00	181.00	0.00	V469214	0.0080	Au-ICP21	VO19115639
		Basalte; Volcanique felsique non divisé	181.00	182.00	0.00	V469215	0.0030	Au-ICP21	VO19115639
		Description: Basalt with <25% rhyodacite	182.00	183.00	0.00	V469216	0.0010	Au-ICP21	VO19115639
		Color: Green to light green,	183.00	184.00	0.00	V469217	0.0060	Au-ICP21	VO19115639
		Granulation: Fine to aphanitic with coarse grain where felsic volcanics							
		Texture: Massive to aphanitic for the most mafics, with porphyritic altered feldspar, sericite rims							
		Structure: weakly sheared with weak fracturing up to 2% calcite filled fracture to veinlets at 45-50 deg tca throughout. 1-2% calcite filled tension gashes low intensity around felsic volcanics. One 2cm breccia fault at 40 deg tca at 184m-184.5m marking the LC.							
		Alteration: moderate pervasive chlorite/hematite with strong pervasive calcite, weak sericite rims around feldspar in and around felsic volcanics.							
		Mineralization: Overall trace to 0.5% mg diss'd to fract filling Py, patchy 1% magnetite.							
		Contacts: LC is breccia controlled with somewhat intense shear thin zone at 45 deg tca. Trace to 0.5% mg to shear control Py.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
184.35	190.40	V3B; AE Basalte; Altéré Description: Basalt biotite altered Color: dk green Granulation: fine grain Texture; massive to aphanitic, Structure; sheared increasing 185.87m-186.4m at 55 deg tca fractured, structural epidote filled, 187.4m-187.8m sheared immediate to carbonate unit, 30% fractured concordant, 188.7m-189.4m shear zone moderate to strong at 45-50 deg tca, weakly fractured with up to 5% calcite filled tension gashesto en echellon. Alteration: moderate to strong pervasive chlorite/biotite/calcite, weak pervasive hematite. trace sericite stringers around shear bands. Mineralization;Overall trace to 1% mg to fg Py diss'd, with 185.8m-186.4m, 187.6m-188.4 to fg shear controlled. 1-3% magnetite stringers to rare diss'd, locally.# Contacts:	184.00	185.00	0.00	V469218	0.0030	Au-ICP21	VO19115639
			185.00	186.00	0.00	V469219	0.0030	Au-ICP21	VO19115639
			186.00	187.00	0.00	V469220	0.0040	Au-ICP21	VO19115639
			187.00	188.00	0.00	V469221	0.0130	Au-ICP21	VO19115639
			188.00	189.00	0.00	V469222	0.0040	Au-ICP21	VO19115639
			189.00	190.00	0.00	V469223	0.0070	Au-ICP21	VO19115639
187.80	188.10	I4Q; GM Carbonatite; Grains moyens 356.5m.357m syenite/basalt alternating bands sheared at 45-50 deg tca.Mnz 4-5% mg to fg shear controlled.							
184.35	192.00	BO; CL; HM-CB Biotisation; Chloritisation; Hématite-Carbonate Alteration: moderate to strong pervasive chlorite/biotite/calcite, weak pervasive hematite. trace sericite stringers around shear bands.							
185.80	187.60	PY01 Pyrite 1% Mineralization;Overall trace to 1% mg to fg Py diss'd, 185.8m-186.4m,							
187.60	188.40	PY00.5; MG01 Pyrite 0.5%; Magnétite 1% 187.6m-188.4 to fg shear controlled. 1-3% magnetite stringers to rare diss'd, locally.#							
185.87	186.40	CS Cisaillé(e) 55° Structure; sheared increasing 185.87m-186.4m at 55 deg tca fractured, structural epidote filled,							55

186.40	186.93	CS	50
		Cisaillé(e) 50°	
		187.4m-187.8m sheared immediate to carbonate unit, 30% fractured concordant,	
188.70	189.40	CS	50
		Cisaillé(e) 50°	
		188.7m-189.4m shear zone moderate to strong at 45-50 deg tca, weakly fractured with up to 5% calcite filled tension gashesto en echellon.	

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
190.40	194.80	V3B; V1; AE; PO	190.00	191.00	0.00	V469224	0.0060	Au-ICP21	VO19115639
		Basalte; Volcanique felsique non divisé; Altéré; Porphyrique	191.00	192.00	0.00	V469226	0.0030	Au-ICP21	VO19115639
		Description: Basalt with <10% rhyodacite	192.00	193.00	0.00	V469227	0.0005	Au-ICP21	VO19115639
		Color: Green to light green,	193.00	194.00	0.00	V469228	0.0040	Au-ICP21	VO19115639
		Granulation: Fine to aphanitic with coarse grain where felsic volcanics	194.00	195.00	0.00	V469229	0.0140	Au-ICP21	VO19115639
		Texture: Massive to aphanitic for the most mafics, with faint porphyritic altered feldspar							
		Structure: weakly sheared with weak fracturing up to 2% calcite/epidote filled fractures.<2% thin carbonatite intruding.							
		Alteration: moderate pervasive chlorite/hematite with strong pervasive calcite, weak sericite patches.							
		Mineralization: Overall trace to 0.5% mg diss'd to fract filling Py, patchy 1% magnetite.							
		Contacts: LC is angular carbonatite unit MNZ at 1% mg diss'd Py at 45 deg tca at best.							
192.00	194.80	HM-CB; CL							
		Hématite-Carbonate; Chloritisation							
		Iteration: moderate pervasive chlorite/hematite with strong pervasive calcite, weak sericite patches.							
190.40	194.80	CS							
		Cisaillé(e)							
		Structure: weakly sheared with weak fracturing up to 2% calcite/epidote filled fractures.<2% thin carbonatite intruding.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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194.80 212.50 V3B; V1
Basalte; Volcanique felsique non divisé
Description; Basalt with V1 up to 5% felsic volcanic units, , strong magnetic patches where mafic.
Color; green,
Granulation, Fine to faint coarser grain , plg laths to subround equigranular(194.75-197)
Texture; massive to aphanitic with cm size porphyritic
Structure; Sheared unit moderate to stronger intensity alternating.foliated at approx 45 deg tca highly fractured with epidote/calcite filled fractures to stringers. One breccia at 199.6m-199.66m at 50 deg tca angular mafic frags with epidote/sericite altered matrix. . One shear zone at 201.2m-202.2m at 45-50 deg tca, carb/chl bands. One shear at 201.2m 201.4m at 45 deg tca with strong pervasive carbonate/hematite. alternating carbonatite/chlorite/sericite/amphibole.One shear at 208.6m-209m at 55 deg tca, chlorite/amphibole/calcite bands(carbonatite) thin bands to boudinaged. concordant. , One shear at 212.2m-212.5m marking up LC at 40 deg tca, strong chlorite/carb/hematite thn bands with boudinaged stretched calcite/carbonatite xenoliths.Microbreccia is present within felsic volcanics with angular fragments to mm size. Otherwise moderate strong fracturing with 20% structural epidote fillings.
Alteration: Overall moderate pervasive chlorite/carbonate/hematite with strong calcite/epidot where fractured, in and around carbonatite. Otherwise patchy epidote, moderate
Mineralization; Overall up to 1% mg diss'd Py to fract filling stringers, with up to 3% in and around shearing(201.2m-202.2m, 201.2m 201.4m, 208.6m-209m 212.2m-212.5m)
Contacts; LC is sharp at 40 deg tca.MNZ up to 3% fracture filling.

195.00	196.00	0.00	V469230	0.0050	Au-ICP21	VO19115639
196.00	197.00	0.00	V469231	0.0040	Au-ICP21	VO19115639
197.00	198.00	0.00	V469232	0.0210	Au-ICP21	VO19115639
198.00	199.00	0.00	V469233	0.0060	Au-ICP21	VO19115639
199.00	200.00	0.00	V469234	0.0020	Au-ICP21	VO19115639
200.00	201.00	0.00	V469235	0.0070	Au-ICP21	VO19115639
201.00	202.00	0.00	V469236	0.0100	Au-ICP21	VO19115639
202.00	203.00	0.00	V469237	0.0040	Au-ICP21	VO19115639
203.00	204.00	0.00	V469238	0.0050	Au-ICP21	VO19115639
204.00	205.00	0.00	V469239	0.0010	Au-ICP21	VO19115639
205.00	206.00	0.00	V469241	0.0080	Au-ICP21	VO19115639
206.00	207.00	0.00	V469242	0.0030	Au-ICP21	VO19115639
207.00	208.00	0.00	V469243	0.0020	Au-ICP21	VO19115639
208.00	209.00	0.00	V469244	0.0030	Au-ICP21	VO19115639
209.00	210.00	0.00	V469245	0.0020	Au-ICP21	VO19115639
210.00	211.00	0.00	V469246	0.0010	Au-ICP21	VO19115639
211.00	212.00	0.00	V469247	0.0090	Au-ICP21	VO19115639
212.00	213.00	0.00	V469248	0.0090	Au-ICP21	VO19115639

194.80 212.50 CL; EP; HM-CB
Chloritisation; Épidotisation; Hématite-Carbonate
Alteration: Overall moderate pervasive chlorite/carbonate/hematite with strong calcite/epidot where fractured, in and around carbonatite.
Otherwise patchy epidote, moderate

201.20 201.40 PY03
Pyrite 3%
Mineralization; Overall up to 1% mg diss'd Py to fract filling stringers, with up to 3% in and around shearing(201.2m-202.2m, 201.2m 201.4m)

208.60 209.00 PY03
Pyrite 3%
, 208.6m-209m

212.20 212.50 PY03
Pyrite 3%
 212.2m-212.5m

199.60 199.70 T1A
Brèche de faille
 Structure; Sheared unit moderate to stronger intensity alternating foliated at approx 45 deg tca highly fractured with epidote/calcite filled fractures to stringers. One breccia at 199.6m-199.66m at 50 deg tca angular mafic frags with epidote/sericite alter

201.20 201.40 CS
Cisaillé(e)
 One shear at 201.2m 201.4m at 45 deg tca with strong pervasive carbonate/hematite. alternating carbonatite/chlorite/sericite/amphibole

208.60 209.00 CS
Cisaillé(e)
 .One shear at 208.6m-209m at 55 deg tca, chlorite/amphibole/calcite bands(carbonatite) thin bands to boudinaged. concordant. ,

212.20 212.50 CS
Cisaillé(e)
 One shear at 212.2m-212.5m marking up LC at 40 deg tca, strong chlorite/carb/hematite thin bands with boudinaged stretched calcite/carbonatite xenoliths. Microbreccia is present within felsic volcanics with angular fragments to mm size. Otherwise moderate

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
212.50	213.74	S; LP Sédiments non divisé; Laminations parallèles Description; Sediments, chert Color green to dk grey Granulation; fine Texture; laminated Structure; sheared at 40 deg tca moderate fracturing, concordant, <5% hairline calcite fracture filling. Alteration; mostly pervasive chlorite, weak ankerite weak silicification. Mineralization; Up to 3% mg to fg diss'd Py to fract filling throughout. Contacts; LC is sheared gradational at approx 40 deg tca. MNZ is up to 2% fg fract fillng py.	213.00	214.00	0.00	V469249	0.0310	Au-ICP21	VO19115639

212.50 213.70 PY03

Pyrite 3%

Mineralization; Up to 3% mg to fg diss'd Py to fract filling throughout.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
213.74	235.80	V1; GM; V3B Volcanique felsique non divisé; Grains moyens; Basalte Description; Rhyodacite, basalt 70/30 ratio Color; green Granulation medium equigranular, plagioclase laths, mm size Texture; upper unit is mixture of aphanitic to laminated down to 218.4m 216m-217.3m cavity with strong hematite carbonate, epidote/sericite patches. Structure: upper unit is sheared and highly fractured with mixed V3B/V1/S/I4Q down to 218.43m with epidot/calcite fract filling up to 25%, <5% <5cm carbonatite units at high angle tca. One shear at 229m-229.3m at low angle tca. Barren Alteration; patchy semipervasive biotite alternating intensity, sericite plag altered. Structural epidot. to patchy. Mineralization: MNZ is trace to 0.5% mg diss;d Py overall with up to 1% shear controlled locally Contacts: LC is strongly sheared litho control carbonatite unit at 70 deg tca. MNZ up to 1% fg Py stringers	214.00	215.00	0.00	V469250	0.0100	Au-ICP21	VO19115639
			215.00	216.00	0.00	V469251	0.0060	Au-ICP21	VO19115639
			216.00	217.00	0.00	V469252	0.0020	Au-ICP21	VO19115639
			217.00	218.00	0.00	V469253	0.0080	Au-ICP21	VO19115639
			218.00	219.00	0.00	V469254	0.0090	Au-ICP21	VO19115639
			219.00	220.00	0.00	V469255	0.0170	Au-ICP21	VO19115639
			220.00	221.00	0.00	V469257	0.0150	Au-ICP21	VO19115639
			221.00	222.00	0.00	V469258	0.0310	Au-ICP21	VO19115639
			222.00	223.00	0.00	V469259	0.0200	Au-ICP21	VO19115639
			223.00	224.00	0.00	V469260	0.0590	Au-ICP21	VO19115639
			224.00	225.00	0.00	V469261	0.0400	Au-ICP21	VO19115639
			225.00	226.00	0.00	V469262	0.0060	Au-ICP21	VO19115639
			226.00	227.00	0.00	V469263	0.0150	Au-ICP21	VO19115639
			227.00	228.00	0.00	V469264	0.0050	Au-ICP21	VO19115639
			228.00	229.00	0.00	V469265	0.0040	Au-ICP21	VO19115639
			229.00	230.00	0.00	V469266	0.0060	Au-ICP21	VO19115639
			230.00	231.00	0.00	V469267	0.0050	Au-ICP21	VO19115639
213.70	235.80	BO; SR; EP Biotisation; Séricitisation; Épidotisation Alteration; patchy semipervasive biotite alternating intensity, sericite plag altered. Structural epidot. to patchy.	231.00	232.00	0.00	V469268	0.0080	Au-ICP21	VO19115639
			232.00	233.00	0.00	V469269	0.0060	Au-ICP21	VO19115639
			233.00	234.00	0.00	V469270	0.0090	Au-ICP21	VO19115639
			234.00	235.00	0.00	V469271	0.0060	Au-ICP21	VO19115639
229.00	229.30	PY00.5	235.00	235.80	0.00	V469272	0.0040	Au-ICP21	VO19115639
Pyrite 0.5%									
From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
235.80	244.00	V3B (I2D); AE; AP Basalte avec 5 à 25% de syénite; Altéré; Aphanitique Description; Basalt with <5% syenite (Mineralized Zone), <1% chert Color; grey to dk grey Granulation; altered Texture; aphanitic to faint fine grain, 238.9m-239.9m fine grain syenite Structure; Unit is highly fractured with 10% calcite filled fractures, One crackled breccia at 237.9m-238.1m at 50 deg tca, silicified angular syenite/carbonatite fragments, one shear at 238.9-239m at 55 deg tca.	235.80	236.60	0.00	V469274	0.0320	Au-ICP21	VO19115639
			236.60	237.50	0.00	V469275	0.0360	Au-ICP21	VO19115639
			237.50	238.10	0.00	V469276	0.0200	Au-ICP21	VO19115639
			238.10	238.90	0.00	V469277	0.0190	Au-ICP21	VO19115639
			238.90	239.90	0.00	V469278	0.0150	Au-ICP21	VO19115639
			239.90	240.80	0.00	V469279	0.0080	Au-ICP21	VO19115639
			240.80	241.70	0.00	V469280	0.0260	Au-ICP21	VO19115639
			241.70	242.70	0.00	V469281	0.0180	Au-ICP21	VO19115639

Alteration strong semipervasive to patchy silicification, strong carbonate/hematite bands 3-4cm alternating moderate epidote patches with strong sericite stringers to bands around syenites. Otherwise moderate pervasive chlorite
 Mineralization: Overall up to 3% mg to fg diss'd Py with up to 6% shear controlled at 235.8m-236m, 236.6m-237.6m shear controlled at 4% mg to fg diss'd to pY stringers fracture filling. 237.6m-238.1m up to 8% mg to fg diss;d Py in and around breccia.239.9m-240.8m up to 4% mg to fg diss'd.
 Contacts: LC is flat to 10 deg tca.

242.70 243.70 0.00 V469282 0.0070 Au-ICP21 VO19115639

235.80 244.00 Si; HM-CB; EP
Silicification; Hématite-Carbonate; Épidotisation
 Alteration strong semipervasive to patchy silicification, strong carbonate/hematite bands 3-4cm alternating moderate epidote patches with strong sericite stringers to bands around syenites. Otherwise moderate pervasive chlorite

235.80 236.00 PY03
Pyrite 3%
 Mineralization: Overall up to 3% mg to fg diss'd Py with up to 6% shear controlled at 235.8m-236m,

236.60 237.60 PY04
Pyrite 4%
 236.6m-237.6m shear controlled at 4% mg to fg diss'd to pY stringers fracture filling.

237.60 238.10 PY08
Pyrite 8%
 237.6m-238.1m up to 8% mg to fg diss;d Py in and around breccia

238.90 240.80 PY04
Pyrite 4%
 .239.9m-240.8m up to 4% mg to fg diss'd.

237.90 238.10 T1A
Brèche de faille
 Structure; Unit is highly fractured with 10% calcite filled fractures, One crackled breccia at 237.9m-238.1m at 50 deg tca, silicified angular syenite/carbonatite fragments,

238.10 238.30 CS 55
Cisaillé(e) 55°
 one shear at 238.9-239m at 55 deg tca

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
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244.00 261.00 I2D
Syénite
Description; Syenite,
Color; pinkto green,
Granulation: altered, fine
Texture; aphanitic, to faint porphyritic
Structure; 244m-247m finer granulation stongly fractured high angle tca,
10% calcite/chlorite filling tension gashes,semipervasive sericite flakes, faint
foliation at 65 deg tca with late moderte shear zones at 25-30 deg tca.One
shear at 244.9m-244.93, carbonatite filled.80% 247m-258.8m equigranular
mm size feldspar, low angle tca shearing 20-35 deg tca up to 1cm
sericite/sil'd bands mnz'd py/specularite stringers,with brecciated up to 1cm
brecciated late carbonatite fault filling, few cm size to dm V3B I2D units
heavily sericite/epidote altered overprinting, microbrecciated(250.5m-
250.6m), 251.2m-253.2m with Strong silicification mostly patchy with
stronger sericite on the edges intense fracturing with qtz/sericite filled
fractured quartz overprinting, 50-70 deg tca overall, strongly farctured.
stronger shearing with mm to 1cm size K-spar bands concordant boudinaged
to subangular stretching, few angular carbonatite xenoliths <1%. This zones
terminates with fw fault stepping shear concordant (252.5m-253.1m), matrix
is faint weak K-spar semipervasive with calcite/qtz filled x-cutting fractures,
mineralized Py/specualrit. One crackled breccia at 255.8-256.16 with Strong
silicification mostly patchy with stronger sericite on the edges intense
fracturing with qtz/sericite filled fractured quartz overprinting, 50-70 deg tca
overall, strongly farctured. terminating late fault/shear zone feldspar
angular fragments in a strong calciitc/amphibole matrix. 257.6m-259m
intense late shearing flat to low angle tca with thin carbonatite stretched
bands to 1cm. Microbreccia noted around feldspar rims. highly fractured
erratic with calcite/quartz filling. mnz Py/specularite overprinting.
Alteration:244m-247m semipervasive sericite flakes carbonate/silicification,
weak hematite. 247m-258.8m sericite/sil'd bands wuth strong
chlorite/calcite slips, hematite, K-spar semipervasive with calcite/qtz filled x-
cutting fractures,
Mineralization:244m-247m up to 1% mg to fg subehidral to anhedral Py with
rare fract filling, trace specularite.248.1m-248.8m up to 6% coarse ehudral
cubes to vfg blebby anhedral Py diss'd with <1% fract filling, up to 1%
specularite. 250.8m-250.95m up to 4\$ mg to fg anhedral Py diss'd, with up to
4% specularite blebs.254.9m-255.6m up to 2% fg fract filling , <1% fg
anhedral Py diss'd, 2-3% specularite blebs.257.6m-258.9m up to 5% mg to fg
diss'd suhedral to anhedral Py shear controlled to fract filling.
Contacts; LC is flat to 10 deg tca with cabonatite digestion, sheared at 10 deg
tca ,mnz up to 3% mg to fg diss'd subeuhidral to anhedral to fract filling

243.70	244.60	0.00	V469283	0.0020	Au-ICP21	VO19115639
244.60	245.60	0.00	V469284	0.0020	Au-ICP21	VO19115639
245.60	246.60	0.00	V469285	0.0020	Au-ICP21	VO19115639
246.60	247.60	0.00	V469286	0.0180	Au-ICP21	VO19115639
247.60	248.20	0.00	V469287	0.0370	Au-ICP21	VO19115639
248.20	248.90	0.00	V469289	0.0160	Au-ICP21	VO19115639
248.90	249.90	0.00	V469290	0.0340	Au-ICP21	VO19115639
249.90	250.40	0.00	V469291	0.0080	Au-ICP21	VO19115639
250.40	251.20	0.00	V469292	0.0060	Au-ICP21	VO19115639
251.20	252.00	0.00	V469293	0.0070	Au-ICP21	VO19115639
252.00	253.00	0.00	V469294	0.0040	Au-ICP21	VO19115639
253.00	254.00	0.00	V469295	0.0040	Au-ICP21	VO19115639
254.00	255.00	0.00	V469296	0.0080	Au-ICP21	VO19115639
255.00	255.80	0.00	V469297	0.1650	Au-ICP21	VO19115639
255.80	256.60	0.00	V469298	0.0040	Au-ICP21	VO19115639
256.60	257.50	0.00	V469299	0.0060	Au-ICP21	VO19115639
257.50	258.00	0.00	V469300	0.0080	Au-ICP21	VO19115639
258.00	259.00	0.00	V469301	0.0120	Au-ICP21	VO19115639
259.00	260.00	0.00	V469302	0.0430	Au-ICP21	VO19115639
260.00	261.00	0.00	V469303	0.0190	Au-ICP21	VO19115639

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
261.00	267.56	V3B (I2D); AP Basalte avec 5 à 25% de syénite; Aphanitique Description; Basalt with up to 50% syenite injections Color; green to epidot bleached, Granulation, fine to faint coarse feldspar/qtz Texture;aphanitic, Structure; Highly fractured unit up to 35% calcite filledlow ange tca fractures wide spaced, to denser epidot/calcite fracture filled where mafic, hairline to mm size.late ones are high angle tca.faint foliation at 50 deg tca, weak to moderate shear with epidote altered mafic fragmants boudinaged and stretched (264.3m-264.4m) marking up LC. Strong shear zone at 266.5m-267.56m at 35 to 40 deg tca, Alteration; strong epidote patches overprinting chlorite, with carbonate/hematite pervasive through. Calcite is late in fract filling and or veinletts overprinting all. Mineralization; up to 1% mg diss'd subhedral overall with <1% fg diss'd blebs anhedral around epidot aletred edges fragments.1-3% specularite concentrations erratic, strong magentite. 266.2m-267.56m (Mineralized Zone) up to 5% mg to fg Py diss'd to fracture controlled, Overprinting.Strong magnetite concetration with 3-4% specularite stringer Contacts; LC is 2 cm strong shear to faint myllonitic at 65 deg tca.	261.00	262.00	0.00	V469305	0.0110	Au-ICP21	VO19115646
			262.00	263.00	0.00	V469306	0.0170	Au-ICP21	VO19115646
			263.00	264.00	0.00	V469307	0.0040	Au-ICP21	VO19115646
			264.00	264.60	0.00	V469308	0.0110	Au-ICP21	VO19115646
			264.60	265.60	0.00	V469309	0.0500	Au-ICP21	VO19115646
			265.60	266.50	0.00	V469310	0.0600	Au-ICP21	VO19115646
			266.50	267.50	0.00	V469311	2.0700	Au-ICP21	VO19115646
267.56	270.30	V3B (I2D); AP Basalte avec 5 à 25% de syénite; Aphanitique Description; Basalt with 5% syenite(Magnetic) Color; grey to pink Granulation; medium Testure; porphyritic to aphanitic at the contacts Structure; moderate fractured unit, weakly sheared with dacite cm size protruding through (269m, 269.4m). strong shear at LC at 40 deg tca. Alteration; moderate silicification with weak sericite flakes, weak k-spar	267.50	268.50	0.00	V469312	0.0050	Au-ICP21	VO19115646
			268.50	269.00	0.00	V469313	0.0960	Au-ICP21	VO19115646
			269.00	270.00	0.00	V469314	9.9900	Au-GRA2	VO19115646

patches.

Mineralization; up to 1% mg to fg diss'd anhedral Py overall to up to 6% fg diss'd to fracture filling Py stringers at 268.8m-269m, 269.6m-270.2m
Contacts; LC is strongly sheared at 50 deg tca.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
270.30	277.70	V3B; AP	270.00	271.00	0.00	V469315	0.4910	Au-ICP21	VO19115646
		Basalte; Aphanitique	271.00	272.00	0.00	V469316	0.3280	Au-ICP21	VO19115646
		Description; Basalt	272.00	272.50	0.00	V469317	0.0420	Au-ICP21	VO19115646
		Color; green dk green to epidot bleached	272.50	273.50	0.00	V469318	0.2980	Au-ICP21	VO19115646
		Granulation; fine	273.50	274.40	0.00	V469319	0.0140	Au-ICP21	VO19115646
		Texture; Massive, aphanitic	274.40	275.00	0.00	V469320	0.0200	Au-ICP21	VO19115646
		Structure; sheared unit fro 30-45 deg tca, with moderate fracturing	275.00	276.00	0.00	V469322	0.0200	Au-ICP21	VO19115646
		increasing at 50 deg tca, strong shear zone distal at 272.5m-272.9m at 35	276.00	277.00	0.00	V469323	0.0620	Au-ICP21	VO19115646
		deg tca. one syenite injection at 274.4m-274.5m. 20% calcite/qtz filled	277.00	277.70	0.00	V469324	0.1570	Au-ICP21	VO19115646
		fractures overall.							
		Alteration; moderate to strong pervasive chlorite patches to shear bands,							
		strong epidote patches, with pervasive carbonate/hematite.							
		Mineralization; 271m-272m up to 2% mg to fg fract filling shear							
		controlled. 272.5m-272.9m up to 1% fg Py fract filling to rare blebs around							
		epidot altered fragments, overprinting. 1-2% specularite.							
		Contacts: LC is graditional with chlorite pervasive patches defining it.							
270.30	277.70	CL; HM-CB; EP							
		Chloritisation; Hématite-Carbonate; Épidotisation							
		Alteration; moderate to strong pervasive chlorite patches to shear bands,							
		strong epidote patches, with pervasive carbonate/hematite.							
271.00	272.00	PY02							
		Pyrite 2%							
		Mineralization; 271m-272m up to 2% mg to fg fract filling shear controlled.							
272.50	272.90	PY01; HS02							
		Pyrite 1%; Spécularite 2%							
		272.5m-272.9m up to 1% fg Py fract filling to rare blebs around epidot							
		altered fragments, overprinting. 1-2% specularite.							
272.50	272.90	CS							
		Cicailá(a)							

Usage(s)

Structure; sheared unit fro 30-45 deg tca, with moderate fracturing increasing at 50 deg tca, strong shear zone distal at 272.5m-272.9m at 35 deg tca. one syenite injection at 274.4m-274.5m. 20% calcite/qtz filled fractures overall.

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
277.70	279.40	V1	277.70	278.70	0.00	V469325	0.2630	Au-ICP21	VO19115646
		Volcanique felsique non divisé	278.70	279.50	0.00	V469326	1.3450	Au-ICP21	VO19115646
		Dacite; Color; light grey to bleached Granulation; feldpsar laths/qtzcryst moderate to coarse Texture; porphyritic to aphanitic Structure; foliated at 50 deg tca weakly sheared/fractured, Alteration; sericite/carbonate with strong chlorite bands. Mineralization; up to 1% fg diss'd to blebs Py Contacts; LC is sheared at 50 deg tca.							
277.70	279.40	SR; CB; CL							
		Séricitisation; Carbonatisation; Chloritisation							
		Alteration; sericite/carbonate with strong chlorite bands.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
279.40	284.40	V3B; GF	279.50	280.50	0.00	V469327	0.0110	Au-ICP21	VO19115646
		Basalte; Grains fins	280.50	281.50	0.00	V469328	0.0090	Au-ICP21	VO19115646
		Description; Basalt color; dk green, Granulation; fine Texture; massive, aphanitic, Structure weakly foliated at 50 deg tca with dm size spaced mm size calcite filled fractures. Alteration; strong semipervasive chlorite with weak to moderate carbonate hematite. Strong magnetic, 281m-282.4m strong semipervasive epidot/biotite weak Lx patches. Mineralization; trace to 0.5% mg diss'd Py. Contact; LC is quartz/carbonate vein defined at 50 deg tca.	281.50	282.50	0.00	V469329	0.0100	Au-ICP21	VO19115646
			282.50	283.50	0.00	V469330	0.0090	Au-ICP21	VO19115646
			283.50	284.40	0.00	V469331	0.2880	Au-ICP21	VO19115646

279.40 284.40 HM-CB; EP; BO

Hématite-Carbonate; Épidotisation; Biotisation

Altertion; strong semipervasive chlorite with weak to moderate cacarbonate hematite. Strong magnetic, 281m-282.4m strong semipervasive epidot/biotite

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
284.40	285.20	V1; PO Volcanique felsique non divisé; Porphyrique Color; light grey to bleached Granulation; feldpsar laths/qtzcryst moderate to coarse Texture; porpyritic to aphanitic Structure; folaited at 50 deg tca weakly sheared/fractured, Alteration; sericite/carbonate with strong chlorite bands. Mineralization; up to 1% fg diss'd to blebs Py Contacts; LC graditional.	284.40	285.40	0.00	V469332	0.2820	Au-ICP21	VO19115646

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
285.20	302.80	V3B; LX Basalte; Leucoxène Description; Basalt Color; green Granulation; fine Texture; massive to aphanitic Structure; foliated at 45 deg tca, weakly fractured with thin epidot/calcite frilling,one shear at 294.8m-295m, silicified overprinting epidot, fractured at 40 deg tca. Alteration;80% strong semipervasive Lx, moderte pervasive chloritewith strong patches to bands of hematite. Epidote is strong from semipervasive to strong patches and stringers. Mineralization; trace to 0.5% mg diss'd Py overall with 296.4m-297.4m up to 2% mg to fg Py stringers to fract filling shear controlled. Overprinting. 298.2m-298.4m shear mineralization at 2% mg to fg Py blebs to fract filling at	285.40	286.30	0.00	V469333	0.0080	Au-ICP21	VO19115646
			286.30	287.00	0.00	V469334	0.0170	Au-ICP21	VO19115646
			287.00	288.00	0.00	V469335	0.0080	Au-ICP21	VO19115646
			288.00	289.00	0.00	V469337	0.0080	Au-ICP21	VO19115646
			289.00	290.00	0.00	V469338	0.0070	Au-ICP21	VO19115646
			290.00	291.00	0.00	V469339	0.0120	Au-ICP21	VO19115646
			291.00	292.00	0.00	V469340	0.0080	Au-ICP21	VO19115646
			292.00	293.00	0.00	V469341	0.0100	Au-ICP21	VO19115646
			293.00	294.00	0.00	V469342	0.0090	Au-ICP21	VO19115646
			294.00	295.00	0.00	V469343	0.0610	Au-ICP21	VO19115646
			295.00	296.00	0.00	V469344	0.0660	Au-ICP21	VO19115646
			296.00	296.50	0.00	V469345	0.2550	Au-ICP21	VO19115646
			296.50	297.50	0.00	V469346	0.0060	Au-ICP21	VO19115646

		best.301.6m-301.95 up to 2% fg shear controll fg Py stringers to chlorite slip. Contacts; LC is graditional	297.50	298.50	0.00	V469347	0.1110	Au-ICP21	VO19115646
			298.50	299.50	0.00	V469348	0.0080	Au-ICP21	VO19115646
			299.50	300.20	0.00	V469349	0.0860	Au-ICP21	VO19115646
285.20	302.80	HM-CB; EP Hématite-Carbonate; Épidotisation Alteration;80% strong semipervasive Lx, moderte pervasive chloritewith strong patches to bands of hematite. Epidote is strong from semipervasive to strong patches and stringer	300.20	301.00	0.00	V469350	0.7050	Au-ICP21	VO19115646
			301.00	302.00	0.00	V469351	0.0110	Au-ICP21	VO19115646
			302.00	303.00	0.00	V469353	0.0270	Au-ICP21	VO19115646
296.40	297.40	PY02 Pyrite 2% Mineralization; trace to 0.5% mg diss'd Py overall with 296.4m-297.4m up to 2% mg to fg Py stringers to fract filling shear controlled. Overprinting.							
298.20	298.40	PY02 Pyrite 2% 298.2m-298.4m shear mineralization at 2% mg to fg Py blebs to fract filling at best.							
301.60	301.90	PY02 Pyrite 2% 301.6m-301.95 up to 2% fg shear controll fg Py stringers to chlorite slip							
294.80	295.00	CS Cisaillé(e) Structure; foliated at 45 deg tca, weakly fractured with thin epidot/calcite frilling,one shear at 294.8m-295m, silicified overprinting epidot, fractured at 40 deg tca.							

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
302.80	303.30	V1; PO Volcanique felsique non divisé; Porphyrique Color; light grey to bleached Granulation; feldpsar laths/qtzcryst moderate to coarse Texture; porpyritic to aphanitic Structure; folaited at 50 deg tca weakly sheared/fractured, Alteration; sericite/carbonate with strong chlorite bands. Mineralization; up to 1% fg diss'd to blebs Py Contacts; LC graditional.							
302.80	303.30	CL; CB; SR Chloritisation; Carbonatisation; Séricitisation Alteration; sericite/carbonate with strong chlorite bands.							

302.80 303.30 PY01

Pyrite 1%

Mineralization; up to 1% fg diss'd to blebs Py

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
303.30	306.30	I1 PO; PO	303.00	304.00	0.00	V469354	0.1700	Au-ICP21	VO19115646
		Intrusif felsique porphyrique; Porphyrique	304.00	305.00	0.00	V469355	0.0910	Au-ICP21	VO19115646
		Description: Felsic Intrusive garditional to coarse syenite(305.9m-306.3m)	305.00	306.00	0.00	V469356	0.0050	Au-ICP21	VO19115646
		Color; grey to pinkish							
		Granulation; coarse feldspar to qtz cryst,							
		Texture; porphyritic							
		Structure; weakly foliated moderate fracturing with caclite filled fractures high angle tca.							
		Alteration; sericite is main chief alteration semipervasive to flakey around feldspar,with weak bleached patches. weak silicification,							
		Mineralization; trace to 0.5% fg Py around feldspar rimms.							
		Contacts: LC is fractured controlled at 50 deg tca							

303.30 306.30 Si; Si

Silicification; Silicification

Alteration; sericite is main chief alteration semipervasive to flakey around feldspar,with weak bleached patches. weak silicification,

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
306.30	334.00	V3B; V3B; GF	306.00	307.00	0.00	V469357	0.0070	Au-ICP21	VO19115646
		Basalte; Basalte; Grains fins	307.00	308.00	0.00	V469358	0.0050	Au-ICP21	VO19115646
		Description; Basalt	308.00	309.00	0.00	V469359	0.0110	Au-ICP21	VO19115646
		Color; green	309.00	310.00	0.00	V469360	0.0190	Au-ICP21	VO19115646
		Granulation; fine,	310.00	311.00	0.00	V469361	0.0130	Au-ICP21	VO19115646
		Texture; massive	311.00	312.00	0.00	V469362	0.0090	Au-ICP21	VO19115646
		Structure; 316m-330m 25% fractured high angle tca with calcite/epidot filling. Lower unit (333.7m-334m strong fracturing chl/ser filled fractures mostly at 65 deg tca.	312.00	313.00	0.00	V469363	0.0190	Au-ICP21	VO19115646
		Alteration; mostly strong semipervasive epidot/chlorite/carbonate moderate to strong, strong semipervasive Lx, with strong magnetite patches. 333.7m-334 strong pervsive sericite/carbonate bleaching with strong chlorite	313.00	314.00	0.00	V469364	0.0080	Au-ICP21	VO19115646
			314.00	315.00	0.00	V469365	0.0060	Au-ICP21	VO19115646
			315.00	316.00	0.00	V469366	0.2520	Au-ICP21	VO19115646
			316.00	317.00	0.00	V469367	0.0080	Au-ICP21	VO19115646

		fracture filling.	317.00	318.00	0.00	V469368	0.0080	Au-ICP21	VO19115646
		Mineralization; trace to 1% mg diss'd subhedral Py overall, with 322m-	318.00	319.00	0.00	V469370	0.0060	Au-ICP21	VO19115646
		322.4m 2-3% fg diss'd anhedral Py, 323m-323.3m up to 2% mg to fg diss'd	319.00	320.00	0.00	V469371	0.0180	Au-ICP21	VO19115646
		anhedral Py, 328.5m-329m up to 4% mg to fg diss'd py. 333.7m-334m up to	320.00	321.00	0.00	V469372	0.0060	Au-ICP21	VO19115646
		2% fract filling.	321.00	322.00	0.00	V469373	0.0070	Au-ICP21	VO19115646
		Contacts; LC is at 75 deg tca sharp.	322.00	323.00	0.00	V469374	0.0080	Au-ICP21	VO19115646
306.30	334.00	EP; HM-CB; CL; CL	323.00	324.00	0.00	V469375	0.0090	Au-ICP21	VO19115646
		Épidotisation; Hématite-Carbonate; Chloritisation; Chloritisation	324.00	325.00	0.00	V469376	0.0080	Au-ICP21	VO19115646
		Alteration; mostly strong semipervasive epidot/chlorite/carbonate	325.00	326.00	0.00	V469377	0.0120	Au-ICP21	VO19115646
		moderate to strong, strong semipervasive Lx, with strong magnetite	326.00	327.00	0.00	V469378	0.0100	Au-ICP21	VO19115646
		patches.	327.00	328.00	0.00	V469379	0.0090	Au-ICP21	VO19115646
322.00	322.40	PY04	328.00	329.00	0.00	V469380	5.3000	Au-ICP21	VO19115646
		Pyrite 4%	329.00	330.00	0.00	V469381	0.0130	Au-ICP21	VO19115646
		Mineralization; trace to 1% mg diss'd subhedral Py overall, with 322m-	330.00	331.00	0.00	V469382	0.0260	Au-ICP21	VO19115646
		322.4m 2-3% fg diss'd anhedral Py,	331.00	332.00	0.00	V469383	0.0110	Au-ICP21	VO19115646
			332.00	333.00	0.00	V469385	0.0040	Au-ICP21	VO19115646
			333.00	334.00	0.00	V469386	0.0040	Au-ICP21	VO19115646

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
334.00	338.36	V1; AP	334.00	335.00	0.00	V469387	0.0630	Au-ICP21	VO19115646
		Volcanique felsique non divisé; Aphanitique	335.00	336.00	0.00	V469388	0.9740	Au-ICP21	VO19115646
		Description: RhyoDacite(Mineralized Zone)	336.00	337.00	0.00	V469389	0.2670	Au-ICP21	VO19115646
		COLOR; bleached	337.00	338.00	0.00	V469390	0.3610	Au-ICP21	VO19115646
		Granulation; aphanitic to medium feldspar laths to subrounded qtz	338.00	338.50	0.00	V469391	3.7900	Au-ICP21	VO19115646
		phenocryst, rare twinning plags							
		Texture; aphanitic to faint porphyritic							
		Structure; fractured unit up to 10% hairline to mm size silica filled fractures							
		at mostly 60 deg tca with <2% late crosscutting calcite rims chlorite filled mm							
		size low angle 20 deg tca fractures.Increasing(337-338.6m up to 25%							
		fracturing). local mm size shearing boudinaged to en echelon low angle							
		carbonate stringers.							
		Alteration: strong bleached pervasive sericite is the main chief alteration with							
		mm size intense stringers to fract filling silicification,late strong fract filling							
		chlorite/calcite overprinting.							
		Mineralization; Up to 20% mg subeuhedral diss'd Py with up to 14% fg to vfg							
		diss'd unehedral Py. 10% fg to vfg Py fract filling to stringers, 6-8% fg diss'd Po							
		blebs, 10-15% magnetite cubes to mg blebs.							
		Contacts; LC is gradational chlorite band to semipervasive overprinting. MNZ							
		up to 5% mg to fg fract filling Py., 8-9% magnetite diss'd. to stringers.							

- 334.00 338.30 SR; Si
Séricitisation; Silicification
 Alteration: strong bleached pervasive sericite is the main chief alteration with mm size intense stringers to fract filling silicification, late strong fract filling chlorite/calcite overprinting.
 333.7m-334 strong pervasive sericite/carbonate bleaching with strong chlorite fracture filling.
- 334.00 338.60 PY20
Pyrite 20%
 Mineralization; Up to 20% mg subeuhedral diss'd Py with up to 14% fg to vfg diss'd unehedral Py. 10% fg to vfg Py fract filling to stringers, 6-8% fg diss'd Po blebs, 10-15% magnetite cubes to mg blebs.
- 337.00 338.60 FA
Fracturé(e)
 Structure; fractured unit up to 10% hairline to mm size silica filled fractures at mostly 60 deg tca with <2% late crosscutting calcite rims chlorite filled mm size low angle 20 deg tca fractures. Increasing (337-338.6m up to 25% fracturing). local mm size

From	To	Description	From	To	Len	SampleID	Au (ppm)	Method	Certificate
338.36	357.00	V3B (I2D); AP	338.50	339.50	0.00	V469392	0.0250	Au-ICP21	VO19115646
		Basalte avec 5 à 25% de syénite; Aphanitique	339.50	340.50	0.00	V469393	0.0160	Au-ICP21	VO19115646
		DEscription; Basalt with <5% syenite injections	340.50	341.50	0.00	V469394	0.0070	Au-ICP21	VO19115646
		Color; dk green to dk grey	341.50	342.70	0.00	V469395	0.0080	Au-ICP21	VO19115646
		Granulation; aphanitic to fine	342.70	343.70	0.00	V469396	0.0120	Au-ICP21	VO19115646
		Texture; massive	343.70	344.60	0.00	V469397	0.7070	Au-ICP21	VO19115646
		Structure; highly sheared unit with intense shear zones, mm size thick calcite filled tension gashes 1-2cm length perpendicular to main shear stress at low angle tca. One hydrothermal breccia zone at 342.7m-344m. 2-3cm size subangular silicified fine grain syenite to silica flooding with strong chlorite/carbonate/hematite matrix, moderate sericite flakes. cm size calcite filled sinusoidal tension gashes to boudinaged stringers inside silicified felsic bands. Overall at 50 deg tca. Intense fracturing patches qtz/carb/hematite filled with strong calcite rim mm size. Sphides are overprinting carbonate/chlorite mostly with patchy remnant syenites, Breccia at 345.3m-345.8m, 20% angular felsic fragments in a strong shared chlorite matrix. 30% fracturing to tens. gashes calcite filling. one major shearing at 348.2m-349.5m reactivated fault with multiple breccia fragments within xenoliths trapped in shear zone. 353.4m-353.8m syenite/basalt mixed unit at 50 deg tca. sheared and fractured. 356.5m-357m syenite/basalt alternating bands sheared at 45-50 deg tca.	344.60	345.30	0.00	V469398	0.0230	Au-ICP21	VO19115646
		Alteration; strong carbonate/chlorite/hematite patches throughout, strong	345.30	345.80	0.00	V469399	0.0260	Au-ICP21	VO19115646
			345.80	346.80	0.00	V469401	0.1300	Au-ICP21	VO19115646
			346.80	347.20	0.00	V469402	0.0120	Au-ICP21	VO19115646
			347.20	347.70	0.00	V469403	0.0300	Au-ICP21	VO19115646
			347.70	348.20	0.00	V469404	0.0660	Au-ICP21	VO19115646
			348.20	349.00	0.00	V469405	0.5800	Au-ICP21	VO19115646
			349.00	350.00	0.00	V469406	0.0940	Au-ICP21	VO19115646
			350.00	351.00	0.00	V469407	0.1770	Au-ICP21	VO19115646
			351.00	352.00	0.00	V469409	1.9250	Au-ICP21	VO19115646
			352.00	353.00	0.00	V469410	0.0480	Au-ICP21	VO19115646
			353.00	353.50	0.00	V469411	0.0460	Au-ICP21	VO19115646
			353.50	354.50	0.00	V469412	0.2790	Au-ICP21	VO19115646

silicification bands in and rimming syenite injections. rare dark pinkish K-spar patches.
 Mineralization; Up to 5% mg to fg subehuidral to unhedral diss'd to stringers overall with up to 10% fg diss'd unhedral Py (351m-351.7m, 352.6m-353m,353.5m-353.6m, 355.4m-355.7m)

354.50	355.50	0.00	V469413	0.0170	Au-ICP21	VO19115646
355.50	356.50	0.00	V469414	0.0790	Au-ICP21	VO19115646
356.50	357.00	0.00	V469415	0.4560	Au-ICP21	VO19115646

E.O.H

353.40 353.80 I2D

Syénite

356.5m.357m syenite/basalt alternating bands sheared at 45-50 deg tca.Mnz 4-5% mg to fg shear controlled.

353.80 354.20 I2D

Syénite

356.5m.357m syenite/basalt alternating bands sheared at 45-50 deg tca.Mnz 4-5% mg to fg shear controlled.

338.36 356.00 CL; HM-CB

Chloritisation; Hématite-Carbonate

Alteration; strong carbonate/chlorite/hematite patches throughout, strong silicification bands in and rimming syenite injections. rare dark pinkish K-spar patches.

342.70 344.00 T1A

Brèche de faille

Structure; highly sheared unit with intense shear zones, mm size thick calcite filled tension gashes 1-2cm length perpendicular to main shear stress at low angle tca.One hydrothermal breccia zone at 342.7m-344m.2-3cm size subangular silicified fine grain

345.30 345.80 T1A

Brèche de faille

Breccia at 345.3m-345.8m, 20% angular felsic frgments in a strong shared chlorite matrix.30% fracturing to tens. gashes calcite fillingd.one major shearing at 348.2m-349.5m reacteviated fault with multiple breccia fragments within xenoliths trapped in sh

Downhole Survey

Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method	Distance	Azimuth	Dip	Method
0.00	359.70	-56.10	Collar	66.00	1.65	-55.31	Reflex EZ-Gyro	81.00	3.16	-55.31	Reflex EZ-Gyro
111.00	1.50	-55.15	Reflex EZ-Gyro	141.00	2.44	-55.03	Reflex EZ-Gyro	171.00	2.75	-54.83	Reflex EZ-Gyro
201.00	2.56	-54.66	Reflex EZ-Gyro	231.00	3.65	-54.30	Reflex EZ-Gyro	261.00	4.38	-54.06	Reflex EZ-Gyro
291.00	4.09	-53.91	Reflex EZ-Gyro	321.00	4.38	-53.52	Reflex EZ-Gyro				

Assessment Report for the Douay Property 2019 Diamond Drilling and Core Re-logging Program

Douay Township, Quebec

Volume 4 of 6
Appendix 5: Diamond Drillhole Re-Logs (531 Zone)

Map sheets: NTS 32E09, 32E10
Latitude 49.51°N, Longitude 78.32°W
UTM NAD83 Zone 17: 5487450 N, 694100 E

For
Maple Gold Mines Ltd.
1111 West Hastings Street
Vancouver, British Columbia
V6E 2J3

Report Date: March 25, 2021

70531-0			UTM coordinates			
Year drilled 1992	Azimuth: 360° Dip: -65° Length: 460.25m		East: 708813.31 North: 5489972.18 Elevation: 307.13m			
Survey	From	To	Title	Summary	Description	Angle
70531-0	0	86.87	Mort terrain	M-T	Overburden	
70531-0	86.87	95.4	Basalte; Brèche de coulée	V3B; BQ	Basalt with flow breccia, very mottled in appearance. The groundmass is fine-grained, chloritized, patchy carbonatized, with very minor localized leucoxene. Basalt has pale beige to white, subangular to irregular breccia fragments, apparently more felsic in composition, cm to 5 cm in size, which contain chlorite-filled small amygdules. The interval is mostly non-magnetic except a few magnetic patches and a grey carbonate vein at 92.6 m, which contains fine disseminated magnetite. Locally patchy brownish biotite, pinkish hematite and carbonate alteration (weak potassic fenitization), mainly along fractures. Locally weak epidotization. Structure: locally weakly-developed foliation at ~50CA. Mineralization: traces to 5% Py fine-grained aggregates in fractures, irregular masses, blebby. The lower contact is distinct, at 50CA.	
70531-0	95.4	96.8	Chert; Basalte; Brèche de coulée	S10; V3B; BQ	Two foliated chert intervals separated by an interval of basalt with flow breccia. The inaccurate footage between 95 and 98 m does not allow to correctly measure the position of each interval. Chert horizons (about 1 m long each) are fractured, foliated (sheared) with well-developed foliation at 50CA. Chert is aphanitic, pale grey to white, sericitic, non-magnetic. Fractures and microfractures are commonly filled by dark green chlorite and minor biotite, no calcite. Yellowish beige sericitic fibres are present along the foliation. The interval of basalt flow in-between the two chert horizons is about 2.3 m in length. The rock is the same as at the beginning of this hole - chloritized, fine-grained, with beige irregular-shaped flow breccia. The contacts between the two lithologies are quite distinct, at about 50CA. Mineralization: chert contains 5-7% Py fine to medium-grained aggregates along the fractures and foliation planes, blebby and cubic disseminated grains. Basalt has traces to 1-2% Py small disseminated grains and fine-grained aggregates in fractures. No gold grades. The lower contact is approximate (broken and likely misplaced core).	50
70531-0	96.8	109	Basalte; Brèche de coulée	V3B; BQ	Basalt with flow breccia. Mottled dark grey-green, pervasively chloritized, with fine pale yellowish beige anhedral grains of saussuritized plagioclase disseminated in the matrix and irregular stockworks of numerous hairline to mm fractures filled by beige Ep, Ser, Carb, Qz, Plg. Beige fragments of flow breccia mainly occur in the upper parts of the interval diminishing in number and size with depth. Basalt is non-magnetic and locally contains minor disseminated leucoxene. Locally minor biotite-carbonate alteration patches. Mineralization: 0.5-2% Py fine-grained, irregular-shaped aggregates along some fractures, disseminated small to med-size cubic grains. The lower contact is distinct, not sharp, at ~60CA.	
70531-0	109	110.4	Chert; Sédiments non divisé; Cisaillé	S10; S; CS	Sheared Chert interbedded with subordinate mudstone. The rock is mottled, white, grey, olive-beige, with minor dark green chloritic beds and chlorite-filled fractures. It is mostly non-magnetic but some beds or fractures are faintly magnetic. The matrix is aphanitic to very fine-grained with tiny sericitic specks. Structure: well-developed foliation at 50-60CA, irregular fracturing. Some fractured chert fragments are stretched and boudinaged along the foliation. Mineralization: 5-7% Py fine to medium-grained aggregates in fractures and foliation planes, less commonly blebby. The lower contact is somewhat distinct, not sharp, irregular.	60

Survey	From	To	Title	Summary	Description	Angle
70531-0	110.4	117	Basalte; Brèche de coulée	V3B; BQ	Basalt with flow breccia, same as at 96.8-109.0 m. Mottled dark grey-green, pervasively chloritized, with fine pale yellowish beige anhedral grains of saussuritized plagioclase disseminated in the matrix and irregular stockworks of numerous hairline to mm fractures. In this unit, there is a weak to moderate carbonate (calcite) alteration in the matrix and in fractures and veinlets, no epidote. Structure: 2-3% carbonate-dominant veinlets, pinkish beige to white, millimetric, variably oriented. Some veinlets show multiphase zoning. From ~117 m, gradually increasing downhole the intensity of shearing with developing foliation at 50-53CA. Some Carb veinlets oriented at 10-25CA become boudinaged. Mineralization: traces to 0.5-1% Py fine to med-size disseminated cubic grains and irregular fine-grained masses in some fractures.	
70531-0	117	122.5	Basalte; Brèche de coulée; Cisaillé	V3B; BQ; CS	SHEAR ZONE. Continuation of Basalt with flow breccia, which becomes strongly sheared. The matrix is mottled, grey, green, beige, with rusty oxidation patches on the exposed core surface. Beige to white stretched fragments are likely sheared flow breccia rather than chert. The rock is fine-grained, patchy chloritized, Fe-carbonatized. Fine beige specks disseminated in some parts in the matrix could be leucoxene or sericite or both. Moderate to strong magnetism due to the presence of fine disseminated Mgt and fine-grained Mgt aggregates along some fractures and foliation planes. Structure: the interval is strongly sheared, in parts mylonitic, with well-developed foliation at 35-45CA defined by sericite-chlorite fabrics. Occasional Qz-FeCarb mm-cm veinlets injected into the foliation planes are slightly boudinaged. At 121.3-121.6 m, there are pink-red to purple and rusty, microfractured fragments dragged along the foliation (no or trace K), which are probably hematite and Fe-carbonate-stained flow breccia. The microfractures are filled with carbonate which shows elevated REEs and P (carbonatite-related). This interval is also strongly magnetic. Mineralization: traces to 1% Py fine disseminated grains, fine-grained aggregates in some shear planes. The lower contact is arbitrary, marked at the end of intense shearing.	
70531-0	122.5	126.3	Basalte	V3B	Basalt, fine-grained, medium to dark greenish grey, moderately chloritized and carbonatized, with abundant fine disseminated leucoxene; non-magnetic. Structure: moderately fractured and crosscut by 5-7% carbonate-dominant mm veinlets of different generations. Some veinlets are boudinaged, fragmented and some are folded. The dominant angles of veins are 15-20CA and 35-40CA. Mineralization: traces Py.	
70531-0	126.3	137.9	Basalte; Cisaillé	V3B; CS	SHEAR ZONE. Continuation of Basalt, which becomes moderately sheared. The matrix is mottled, grey, green, beige, moderately chloritized and carbonatized, with rusty oxidation patches on the exposed core surface. Paler bands (beige, olive-beige) are probably stretched flow breccia fragments. Fine disseminated leucoxene is patchy dispersed along the interval. Basalt is variably magnetic - non-magn to strongly magnetic due to irregularly distributed fine-grained Mgt aggregates in foliation planes and fine disseminated Mgt grains. Structure: weakly to moderately-developed foliation, moderate to strong fracturing and veining. Millimetric veinlets are creamy white to beige, often rusty, dominated by Carb and FeCarb. Veinlets are variably oriented, some are parallel to the foliation and some crosscutting it. The angles of the foliation vary from 50-55CA (mainly in the upper parts of the interval) to 30-40CA (mainly in the lower parts). Occasional Qz-FeCarb late mm-cm veinlets crosscut the foliation at various angles. Chlorite and carbonate fill the fractures. Mineralization: traces to 1% Py fine-grained aggregates in foliation planes and some fractures. The lower contact is rather distinct marking the lower end of the shear zone at ~20CA.	

Survey	From	To	Title	Summary	Description	Angle
70531-0	137.9	153.4	Basalte	V3B	<p>Basalt, fine-grained, medium to dark greenish grey with a mottled appearance caused by stockworks of numerous hairline to mm epidote-filled fractures, epidotized patches (flow breccia?) and abundant fine disseminated leucoxene. The matrix is pervasively chloritized, poorly carbonatized, non-magnetic.</p> <p>Structure: moderately to strongly fractured with fractures mainly filled by epidote. Late Qz-Carb and Carb veinlets crosscut fractures.</p> <p>Mineralization: trace to 1-2% Py small anhedral to blebby disseminated grains, fine to medium-grained aggregates in some fractures.</p>	20
70531-0	153.4	168	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Deformation Zone, Mineralized Zone.</p> <p>Continuation of Basalt, weakly to moderately altered by potassic fluids (finitized) and Fe-carbonate and weakly to moderately sheared.</p> <p>Basalt is mottled, with dark grey to greenish grey and reddish pink patches and widespread fine beige specks of disseminated leucoxene. It is fine-grained with slightly coarser pink and pale grey grains of secondary feldspars. Original chlorite alteration is overprinted by carbonate, Fe-carbonate, hematite, magnetite and potassic alteration. The rock stays moderately to strongly magnetic over the length of the alteration zone.</p> <p>Structure: brittle-ductile deformation zone. Some intervals are sheared, weakly to moderately foliated at 30-40CA. Most parts are moderately fractured and host irregular, often fragmented mm-cm rusty-stained FeCarb-dominant veinlets (tension gashes) and younger pinkish beige Ca-carbonatite veinlets. Carbonatite veinlets are often oriented at 10-30CA, a few mm to 2 cm wide.</p> <p>153.4-156.0 m - weakly to moderately-developed foliation at 50 to 35CA (decreasing angles); 156.0-156.5 m - well-developed foliation at ~35CA; 156.5-168.0 m - moderate irregular fracturing, tension gashes, locally weakly-developed foliation at 30-35CA, carbonatite veinlets at 10-30CA.</p> <p>Mineralization: traces to 2% Py fine to medium-grained aggregates in some fractures/stringers along the foliation, traces to 0.5% small disseminated subhedral grains. At 156.39-163.29 m - intermittent gold grades ranging from 0.16 to 1.18 g/t Au (per 1 m long samples).</p>	
70531-0	168	177	Basalte; Fracturé(e)	V3B; FA	<p>Deformation Zone.</p> <p>Continuation of Basalt, moderately to strongly fractured, patchy finitized.</p> <p>Basalt is medium greenish grey, pervasively to patchy chloritized, with localized reddish patches of potassic alteration (weak finitization) and common fine disseminated leucoxene. The matrix is fine-grained with slightly coarser grains of secondary feldspars. Weak to strong magnetism throughout the interval.</p> <p>Structure: moderate to strong irregular fracturing. A stockwork of hairline to 1 cm wide fractures/veinlets and localized tension gashes are mainly filled by white to beige carbonate.</p> <p>Mineralization: mostly traces Py; locally 0.5-1% Py fine disseminated grains or aggregates in fractures. Three scattered intervals gave 0.22 to 0.72 g/t (per 1 m long samples).</p>	
70531-0	177	198.5	Basalte; Fracturé(e); Cisailé	V3B; FA; CS	<p>Deformation Zone.</p> <p>Continuation of Basalt, moderately sheared, foliated at low core angles (0-20CA), patchy finitized.</p> <p>Basalt is medium greenish grey, pervasively to patchy chloritized, with reddish patches of potassic alteration (weak to locally strong finitization) and common fine disseminated leucoxene. Weak to strong magnetism throughout the interval. Moderate carbonatization, mainly fracture-filling.</p> <p>Structure: weakly-developed foliation at 5-20CA; moderate to strong fracturing and irregular veining at various angles - often at 0-20CA. Fractures are mainly filled by beige to white carbonate/Fe-carbonate. At 189.4-189.8 m - gently undulating foliation at 0 to 15-20CA with injected carbonatite veinlets.</p> <p>Mineralization: traces to 2-3% Py fine to med-size disseminated subhedral cubic grains and fracture-controlled irregular aggregates. From 182.32 to 193.27 m - more or less continuous gold grades ranging from 0.13 to 0.47 g/t (per 1 m long samples). One sample at the end of the unit (196.73-197.72 m) gave 0.34 g/t Au.</p> <p>The lower contact is arbitrary, marked at the end of finitization and low-angle foliation.</p>	

Survey	From	To	Title	Summary	Description	Angle
70531-0	198.5	271.8	Basalte; Fracturé(e)	V3B; FA	<p>Deformation Zone.</p> <p>Continuation of Basalt, moderately fractured, with epidote alteration.</p> <p>Basalt is fine-grained, medium to dark greenish grey, pervasively chloritized, with widespread fine disseminated leucoxene, variably magnetic - non-magn to mod-str magn. From around 235 m, basalt commonly has a gabbroic appearance caused by slightly coarser laths of saussuritized/epidotized plagioclase.</p> <p>Structure: moderate to strong irregular fracturing and veining - a fault zone, locally tension gashes, common fragmented veinlets. Fractures and veinlets are mainly filled by carbonate and epidote and often have dissolution cavities. Weak pink hematite staining on some veinlets. Locally poorly-developed foliation at 25-30CA.</p> <p>Mineralization: traces to 1-2% Py fine to med-size disseminated subhedral cubic grains, aggregates in some veins and fractures. No gold grades.</p> <p>247.7-248.0 m - moderate to strong potassic alteration resulted in reddish black colour (secondary K-fsp, specular hematite, probably black amphiboles, biotite). Traces of leucoxene. This zone is mineralized by 3 to 7% Py small to coarse cubic grains. The sample which included this interval didn't return any grades (sample length was 2.75 m probably because of the drilling problems - grinded core).</p> <p>254.5 m - 6 cm wide, pink-beige Ca-carbonatite vein at 30CA.</p> <p>260-266.5 m - weak to moderate patchy brown and pink potassic alteration along with patchy carbonatization and specular hematite. Some parts are weakly foliated at 5 to 35CA.</p> <p>From ~271.5 m - gradually increasing intensity of potassic alteration.</p>	
70531-0	271.8	273.5	Basalte; Cisaillé; Altéré	V3B; CS; AE	<p>Continuation of Basalt, sheared and moderately to strongly altered by potassic metasomatism.</p> <p>The rock is dark brown, patchy to pervasively altered but still has the recognizable appearance of the original basalt with disseminated leucoxene; moderately magnetic. The secondary alteration minerals are K-fsp, biotite, specular hematite, carbonate (Fe-carbonate?), possibly black amphiboles.</p> <p>Structure: the interval is sheared with weakly to moderately-developed foliation at 40-50CA. Some leucoxene specks are stretched along the foliation. A few pink-beige Ca-carbonatite mm veinlets are injected into foliation planes.</p> <p>Mineralization: traces to 0.5-1% small to coarse disseminated cubic grains and aggregates in some fractures.</p> <p>From ~273.5 m, the intensity of potassic alteration decreases.</p>	
70531-0	273.5	276.5	Basalte; Fracturé(e)	V3B; FA	<p>Continuation of Basalt, pervasively chloritized, fine-grained, moderately magnetic, with disseminated leucoxene. Moderate carbonate alteration in the matrix, no epidote; weak patchy potassic alteration along the fractures and veinlets. Carb veinlets are commonly rusty brown from iron staining but readily react with the HCl acid.</p> <p>Structure: locally foliation at 5-15CA; at ~275.5-276.5 m - a group of folded pale grey Carb veinlets which contain fine diss Mgt grains. The fold axes are generally oriented at 35CA.</p> <p>Mineralization: traces Py.</p> <p>From ~276.5 m, increasing intensity of potassic alteration.</p>	
70531-0	276.5	278.5	Basalte; Fracturé(e); Altéré	V3B; FA; AE	<p>Continuation of Basalt, moderately fractured and moderately altered by potassic metasomatism.</p> <p>Structure: moderate to strong irregular fracturing with common dissolution cavities along the fractures and veinlets. Fractures are filled by Carb, Biot, Chl, specular Hem, Qz.</p> <p>Mineralization: traces to 0.5% Py small disseminated grains.</p> <p>From ~278.0 m, decreasing intensity of potassic alteration.</p>	
70531-0	278.5	291.5	Basalte; Fracturé(e)	V3B; FA	<p>Continuation of Basalt, pervasively chloritized, fine-grained, moderately magnetic, with disseminated leucoxene. Weak patchy pinkish potassic alteration along some fractures and carbonate veinlets. No epidote.</p> <p>Structure: moderate to strong irregular fracturing, variably oriented mm-cm veinlets and tension gashes are mainly filled by carbonate; locally brecciation. Frequent dissolution cavities along fractures and veinlets.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size cubic grains, disseminated and in some veinlets.</p> <p>From 291.5 m, gradually increasing intensity of potassic alteration.</p>	

Survey	From	To	Title	Summary	Description	Angle
70531-0	291.5	301.5	Basalte; Fracturé(e); Altéré	V3B; FA; AE	<p>Continuation of Basalt, moderately to strongly fractured, sheared and altered by potassic metasomatism (finitization) and Fe-carbonatization.</p> <p>From 291.5 to 294 m, the potassic alteration is weak to moderate, patchy, along fractures, dominated by secondary K-feldspar. The non-finitized matrix is fine-grained, pervasively chloritized, magnetic, crosscut by numerous fractures and carbonate veinlets. Disseminated leucoxene throughout.</p> <p>From 294 to 301.5 m - strong potassic alteration dominated by reddish K-feldspar and moderate to strong patchy to pervasive Fe-carbonatization. The exposed core has strong rusty iron oxidation stains on its surface. On the fresh surfaces, the rock is pale to medium grey with reddish-pink patches. Fine to medium-grained feldspar aggregates (secondary K-fsp and probably albite) are surrounded by fine-grained chloritic remnants of the host basalt. Leucoxene is present in most parts of the interval. Very fine-grained Mgt and specular Hem occur in fractures and form irregular masses and streaks stretched along the foliation.</p> <p>Structure: intermittent, weakly to moderately-developed foliation at 35-45CA; moderate to strong irregular fracturing with FeCarb infilling. Common small dissolution cavities along fractures.</p> <p>~295.7-296.7 m - fragmented (brecciated?), coarse-grained FeCarb-Qz veins in strongly magnetic, finitized matrix.</p> <p>299.8-301 m - intensely finitized interval with numerous dissolution cavities and dark chlorite+/- hematite streaks marking weak foliation at 0-15CA.</p> <p>301-301.4 m - well-developed foliation at 30-35CA.</p> <p>Mineralization: traces to 1-2% Py fine to med-size disseminated subhedral grains and aggregates in some fractures; locally 2-3% Py.</p> <p>The lower contact is arbitrary, marked at the end of intense K and Fe alteration.</p>	
70531-0	301.5	323	Basalte; Fracturé(e)	V3B; FA	<p>Continuation of Basalt (to Magnesian Basalt), pervasively chloritized and patchy epidotized, moderately to strongly fractured.</p> <p>The matrix is medium to dark green-grey, pervasively chloritized, fine-grained with frequent gabbroic textures formed by randomly oriented, saussuritized/epidotized Plg laths. Common disseminated leucoxene. Magnetism: weak to moderate. Locally weak potassic alteration. Epidote, carbonate and minor earthy red hematite in fractures.</p> <p>Structure: moderate to strong fracturing with two distinct types: 1) tightly-spaced irregular fractures at 50-70CA; 2) fractures at 5-15CA, coated by hematite+carbonate. Frequent dissolution cavities.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size disseminated grains, in some veins, aggregates in some fractures. Some sampled intervals returned slightly elevated gold values (0.14-0.31 g/t Au over 1.5 m samples).</p> <p>The lower contact is arbitrary, marked at the beginning of potassic alteration.</p>	
70531-0	323	353.6	Basalte; Fracturé(e); Altéré	V3B; FA; AE	<p>Continuation of Basalt (to Magnesian Basalt) moderately to strongly altered by Fe-carbonate and potassic alteration; without epidote.</p> <p>Brown and rusty on the exposed surface, medium to dark grey with reddish patches of potassic alteration on fresh breaks. Fine-grained, patchy chloritized, moderately to strongly magnetic, with patchy carbonate in the matrix and in fractures and veins. Disseminated leucoxene. The intensity of iron oxidation increases downhole from ~338 m, whereas the intensity of magnetite decreases to weak-moderate.</p> <p>Structure: moderate to strong irregular fracturing at: 1) 0-15CA, and 2) generally 35-40CA. Fractures are mostly filled by Carb/FeCarb and lesser Chl and specular Hem. Frequent dissolution cavities along fractures, veins.</p> <p>Mineralization: variably distributed Py from traces to 3% as fine to med-size disseminated cubic grains, fine-grained aggregates in fractures, often concentrated in finitized parts. The zone</p> <p>At 338.3-338.7 m - a strongly fractured zone with pink, beige and white veins at 5-25CA, composed of carbonate, barite, quartz, specular hematite and carbonatite; 3-5% Py fine-grained aggregates in rims and fractures, 0.5-1% Py disseminated inside veins. A sample taken over this interval returned 1.1 g/t Au (over 1.34 m).</p> <p>The lower contact is distinct, at ~50CA.</p>	

Survey	From	To	Title	Summary	Description	Angle
70531-0	353.6	354.7	Chert; Bréchiq	S10; BX	<p>Brecciated Chert, pale grey to white, strongly microfractured with rusty fractures filled by oxidized pyrite (limonite). Some fractures contain magnetite and specular hematite. Brecciated fragments are mm to several cm in size, angular to subround, aphanitic, finely laminated, sericitic, with conchoidal fracturing. The exposed surface of the core is strongly oxidized, rusty.</p> <p>Structure: some core pieces show moderately-developed foliation at 20-35CA. Mineralization: 2 to 7% Py fine-grained aggregates in fractures, foliation planes, wrapping around breccia. A sample across this interval gave 1.48 g/t Au over 1.52 m.</p> <p>The lower contact is approximate (because of broken and misplaced core pieces).</p>	50
70531-0	354.7	387.34	Basalte; Fracturé(e); Altéré	V3B; FA; AE	<p>Strongly altered Basalt (possibly Mg-rich Basalt). The exposed surface of the core is all covered with iron oxidation stains. The freshly cut core is medium to dark grey, locally pale grey, fine-grained, with patchy red potassic alteration (dominantly secondary K-fsp). The matrix is patchy to pervasively carbonatized. Carbonate shows subtle fizzing reaction to HCl and blue staining reaction to potassium ferricyanide, so it is iron carbonate. Magnetism: mostly non-magnetic, locally patchy magnetic.</p> <p>Structure: There are numerous irregular fractures mainly filled by Fe-carbonate, lesser silvery micaceous mineral (possibly phlogopite, sericite) and locally minor specular hematite. From ~374 m - intermittently developed weak to moderate foliation at 25CA. At 386.5-386.7 m - a pink Ca-carbonatite vein (1.5 cm measurable width) injected into the foliation at 0-5CA.</p> <p>Mineralization: traces to 1-2% Py fine grains and fine-grained aggregates in some fractures. Slightly higher Py amounts (1-3% Py) in the sheared portion of the interval. Several samples returned gold grades ranging from 0.10 to 4.32 g/t Au (over 1.5 m sample length). The continuation of the sheared and mineralized high-grade zone is lost.</p>	
70531-0	387.34	410.54	Boîte(s) perdues	CNR	<p>Four missing boxes. The missing interval contains the best gold intersections in this hole with grades ranging from 0.22 to 16.01 g/t Au (over 1.52-1.53 m each sample).</p>	
70531-0	410.54	425	Komatiite; Pyroxenite; Altéré; Cisailé	V4A; I4; AE; CS	<p>Ultramafic rock (Pyroxenite? Komatiite?) or Magnesian Basalt, moderately to strongly altered by potassic metasomatism. The rock has a mottled appearance due to numerous rusty oxidized fractures and reddish patches of potassic (K-fsp-dominant) alteration. The fine-grained matrix is patchy chloritized, more serpentized with depth, patchy carbonatized. Carbonate reacts more readily to HCl than Fe-carbonate and stains pink during the iron-staining test, so it is rather calcitic. Reddish altered patches are slightly more granular than the chloritized matrix. Fine disseminated leucoxene is present in most parts of the interval. Magnetism: moderately magnetic. Structure: moderate irregular fracturing with mainly carbonate infilling, lesser chlorite, possibly serpentine, minor black hematite/magnetite. From ~420 m, the rock becomes sheared with weakly to moderately-developed foliation at ~25CA. Mineralization: traces to 1-2% Py fine to med-size, disseminated subhedral grains and fine-grained aggregates. From 411.48 to 423.67 m, there are almost continuous gold grades ranging from 0.10 to 1.30 g/t Au (over 1 m sample length). The intensity of reddish potassic alteration significantly decreases from ~ 425 m.</p>	

Survey	From	To	Title	Summary	Description	Angle
70531-0	425	460.25	Komatiite; Pyroxenite	V4A; I4	<p>Continuation of the serpentinized ultramafic rock (Pyroxenite? Komatiite?). The rock is black to greenish black with small, disseminated, brown grains (no reaction to HCl, probably brucite). The matrix is fine to medium-grained, pervasively serpentinized, rather soft to scratch, with sometimes distinct small black prismatic pyroxene grains.</p> <p>444.5-447 m - weak to moderate patchy red and brown potassic alteration (K-fsp and probably biotite).</p> <p>Magnetism: weakly to moderately magnetic. Stronger magnetism in fenitized parts.</p> <p>Structure: several moderately sheared intervals.</p> <p>425.5-425.8 m - a fault/shear zone with foliation at 25CA; serpentine fabrics are moderately bleached, talcose.</p> <p>431-434.5 m - several Qz-Carb-FeCarb veinlets and fractures filled by serpentine and carbonate, oriented at 0-20CA. Some veins are gently undulating along the core axis. The width varies from mm to 2-3 cm.</p> <p>437-456 m - faint to weak foliation at 20-35CA (30CA); occasional creamy white, calcite-dominant, cm-wide, extensional veinlets with fibrous crystals oriented perpendicular to vein margins. They typically crosscut the shear foliation.</p> <p>456-460.25 m - strong fracturing, shearing with foliation developed at 35-40CA. The interval is less magnetic in this portion.</p> <p>Mineralization: traces to 1% Py fine to med-size, disseminated cubic grains. Slightly higher amounts in fenitized parts.</p> <p>EOH</p>	

70531-1			UTM coordinates			
Year drilled 1992		Azimuth: 360° Dip: -65° Length: 414.53m		East: 708813.31 North: 5489972.18 Elevation: 307.13m		
Survey	From	To	Title	Summary	Description	Angle
70531-1	354.79	403	Basalte; Cisaillé; Altéré	V3B; CS; AE	<p>Deformation zone, Mineralized zone.</p> <p>Basalt or Magnesian Basalt, sheared, microbrecciated, moderately to strongly altered by Fe-carbonate and potassic alteration.</p> <p>The surface of the core is extensively covered by rusty iron oxidation stains. On fresh breaks, the rock pale to dark grey, beige, with pinkish patches of K/Hem alteration (patchy fenitized). The matrix is patchy altered by Fe-carbonate, albite, K-feldspar, fine scales of silvery mica (likely sericite). Some black needles were noted in the matrix - probably secondary amphiboles or pyroxenes (aegirine?). In some parts, there is fine disseminated leucoxene. The rock is generally non-magnetic with occasional magnetic patches. Specular hematite occurs in some fractures and shear bands. Green chlorite or possibly serpentine fills fractures near the lower end of the zone.</p> <p>Structure: intermittent foliation and brecciation. Foliation angles range from 20 to 35CA. Locally 1-5 cm wide irregular bands or carbonate veins with microbrecciated fragments of fenitized host rock.</p> <p>Mineralization: irregularly distributed fine-grained Py aggregates and fine disseminated grains, traces to 1-3%, often occur in shear bands, fractures.</p> <p>At 387-389 m - a few pinkish beige Ca-carbonatite veinlets, 0.5-1.5 cm wide, boudinaged, irregular, at 5CA. A sample within this interval returned 3.09 g/t Au over 1.52 m.</p> <p>Gold grades within the upper half of this interval are rather irregular, whereas the lower half (starting from ~385 m) has continuous values ranging from 0.11 to 6.52 g/t Au (over 1 m intervals, recalculated) with the average grade of 1.6 g/t over 18.6 m.</p> <p>The intensity of Fe-carbonate and potassic alteration goes down from approximately 403 m. Lithology doesn't change.</p>	
70531-1	403	414.53	Basalte; Cisaillé; Altéré	V3B; CS; AE	<p>Continuation of Basalt or Magnesian Basalt, less intensely altered and deformed.</p> <p>The rock is overall medium green-grey with reddish patches. The matrix is fine-grained, pervasively to patchy chloritized (possibly serpentized) and carbonatized. Reddish (pink to mauve) patches of potassic alteration are slightly coarser than the matrix, with sometimes distinct grains of secondary feldspars. Some parts of the rock have a ghostly gabbroic appearance.</p> <p>Carbonate in the matrix is rather calcitic as it readily reacts with the HCl acid. There is no or very limited rusty staining on the core surface. Common fine to med-size grains of disseminated leucoxene throughout the interval.</p> <p>Magnetism: variable. The rock is non-magnetic and in parts moderately magnetic due to the presence of fine disseminated Mgt grains and fine-grained Mgt+Cal streaks.</p> <p>Structure: the rock is sheared with weakly to moderately-developed foliation at 10 to 25CA. At 409 m - a few irregular carbonatite veinlets.</p> <p>Mineralization: traces to 0.5-1% Py, locally 2%, fine to med-size disseminated subhedral grains, fine-grained aggregates in shear planes.</p> <p>EOH</p>	

D-92-25		Azimuth: 360°		UTM coordinates		
Year drilled		Dip: -60°		East: 708690.01		
1992		Length: 562.66m		North: 5490026.15		
				Elevation: 292.92m		
Survey	From	To	Title	Summary	Description	Angle
D-92-25	0	68.88	Mort terrain	M-T	Overburden.	
D-92-25	68.88	404	0	0	not reviewed	
D-92-25	404	410.5	Basalte; Basalte magnésien	V3B; V3F	Basalt / Magnesian Basalt. Dark greenish grey to grey, pervasively chloritized, with fine, disseminated, buff to white leucoxene; locally contains reddish-brownish K/Hem patches. The matrix is fine-grained, in some parts slightly coarse with white Plg grains and aggregates. Overall, the interval is massive, rather uniform, competent. Magnetism: variable - non-magnetic to wk-mod magnetic. Fine disseminated Mgt grains occur near the lower contact. Structure: 2-5% carbonate-dominant veinlets, mm-cm, beige-white, slightly oxidized, planar, oriented at 25 to 65CA. At 406.3-406.5 m - carbonate veins cement brecciated host rock. Mineralization: traces disseminated Py; 1% Py disseminated med-size cubic grains near the lower contact. The lower contact is distinct, at 45CA.	
D-92-25	410.5	411.25	Chert; Sédiments non divisé	S10; S	Chert, cherty sedimentary rocks. Medium grey to beige-grey to white, very siliceous, sericitic, very fine-grained to aphanitic, with conchoidal fracturing, massive to finely laminated. Magnetism: mostly non-magnetic. Structure: strongly fractured with irregular fractures filled by silica, chlorite and carbonate. Locally laminated/foliated at ~45CA. Mineralization: 3-7% Py fine disseminated grains, nodules, fine-grained aggregates. The lower contact is distinct (broken core).	45
D-92-25	411.25	427	Basalte; Basalte d'aspect gabbroïque	V3B; V3B (I3A)	Basalt. Dark to medium greenish grey, pervasively chloritized, with fine, disseminated leucoxene. The matrix is fine-grained in the upper portion and, from ~417 m, gabbroic with slightly coarser, saussuritized Plg laths. Massive, competent, moderately hard to scratch. Beige-white carbonate in veinlets, fractures, minor in the matrix, oxidized on the exposed core surface. Minor epidote (seems remnant) in some fractures. Magnetism: variable - non-magnetic to wk-mod magnetic due to small, disseminated Mgt grains and fine-grained Mgt masses in some fractures and veins. Structure: 2-3% carbonate-dominant veinlets, mm-cm wide, variably oriented at angles ranging from 15 to 50CA. Mineralization: traces to 1-2% Py as small to med-size, disseminated, subhedral grains and fine to medium-grained aggregates in some fractures, veinlets. At ~427 m basalt grades into magnesian basalt.	
D-92-25	427	433.45	Basalte magnésien	V3F	Magnesian Basalt / Komatiitic Basalt. Dark green to greenish grey, pervasively chloritized and carbonatized, weakly oxidized on the exposed surface, may contain some serpentine in the matrix. Carbonate produces mild effervescence to HCl, so it is rather dolomite/Fe-carbonate. The rock is fine-grained, locally slightly coarser, massive, homogeneous. Frequent beige to buff specks of disseminated leucoxene. Magnetism: the rock is weakly to moderately magnetic in the upper portion, becomes weaker to non-magnetic with depth. Structure: a competent rock with minor fractures and Carb+/-Qz veinlets. Mineralization: traces Py. At 433.45 m, distinct leucoxene alteration stops quite abruptly. The lower contact is also marked by a 10-15 cm weakly sheared interval with reddish patches of Hem/K and carbonate alteration. The angle of the contact is at approximately 30-35CA. Shear fabrics are oriented near right angles to the contact.	

Survey	From	To	Title	Summary	Description	Angle
D-92-25	433.45	446	Komatiite	V4A	<p>Ultramafic rock, serpentinized. Pyroxenite?</p> <p>The rock is dark grey to black with bluish and greenish shades, pervasively serpentinized, soft to scratch. It is massive, uniform, fine to medium-grained with small, paler green-grey, carbonatized grains fine-grained aggregates of Plg. In some places, there are distinct ophitic textures with fine-grained Plg groundmass surrounding larger, serpentinized grains (Px, Ol).</p> <p>Magnetism: mostly non-magnetic, in some places weakly magnetic.</p> <p>Structure: 1-3% white to beige Carb-dominant veinlets with variable gypsum/anhydrite, mainly oriented at 50-65CA. Some veinlets are folded.</p> <p>436.9-437 m - a fault zone with 1-2 cm of gouge and incoherent microbreccia, at ~ 50-55CA.</p> <p>Mineralization: traces to locally 1-2% Py small to med-size, subhedral grains and aggregates in some veinlets.</p> <p>From ~446 m, the rock gradually becomes greener and harder to scratch, suggesting less serpentine and more amphibole in the matrix.</p>	32
D-92-25	446	454.7	Basalte magnésien; Komatiite	V3F; V4A	<p>Continuation of the ultramafic rock grading into magnesian/komatiitic basalt.</p> <p>Dark to medium grey-green, amphibolized, weakly serpentinized, patchy carbonatized, with weak patchy iron oxidation along veinlets and in the matrix on the exposed parts of the core. Overall, the rock is fine to medium-grained. Some parts have a spotted appearance caused by gabbroic textures: larger dark green ferromagnesian phenocrysts with fuzzy contours are surrounded by fine-grained Plg groundmass. Moderately hard to scratch. Abundant disseminated leucoxene throughout the unit.</p> <p>Magnetism: increasing downhole from weak to strong.</p> <p>Structure: weak to moderate fracturing and veining; 1-3% carbonate-dominant veinlets, mm-cm wide, at 15 65CA, pinkish, beige, white, contain minor gypsum/anhydrite. Tension veinlets have parallel crystals oriented at angles to the walls of veins.</p> <p>Mineralization: traces to 0.5% Py small subhedral grains in some veinlets.</p> <p>The lower contact is arbitrary.</p>	
D-92-25	454.7	456.5	Basalte magnésien;	V3F	<p>Magnesian Basalt? / Komatiitic Basalt? / Sediments?</p> <p>Medium bluish grey to greenish grey, in some parts bluish black, rather heterogeneous, fine-grained to medium-grained with sometimes distinct pale grey Plg grains. The matrix is moderately soft to moderately hard to scratch, in some parts resembles siltstone. XRF shows low Mg levels (not serpentine though some black-green patches look like serpentine) and relatively high K. Minor carbonate (weakly fizzing to HCl) occurs in the matrix. Locally disseminated leucoxene.</p> <p>Magnetism: strong due to abundant Mgt as disseminated euhedral to anhedral grains, tiny streaks, aggregates of small grains. There are also vein-like bands, 0.5-6 cm wide, oriented at high core angles, and composed of fine to medium-grained aggregates of Fe-carbonate, Mgt and Py (rusty on the exposed surfaces).</p> <p>Structure: weak fracturing. Fractures are filled by Fe-carbonate, Mgt, green Amph, gypsum/anhydrite, Qz.</p> <p>Mineralization: 1-2% Py small, anhedral to subhedral grains disseminated in the matrix, up to 10% Py in Carb-Mgt-Py veins.</p> <p>The lower contact is rather distinct, slightly wavy, at ~20CA.</p>	
D-92-25	456.5	459.6	Sédiments non divisé; Chert; Fracturé(e)	S; S10; FA	<p>Fine-grained sedimentary rocks intercalated with chert.</p> <p>Heterogeneous in appearance, variable in colour - pale to dark grey, beige, pink, with frequent rusty oxidation patches on the exposed core surface, mostly along fractures and veinlets. The matrix is very fine-grained to aphanitic, massive, in some places finely laminated. It is very siliceous, slightly sericitic, non-carbonaceous.</p> <p>Magnetism: variable - non-magnetic to moderately magnetic due to fine Mgt grains in fractures and locally disseminated. Increasing number of irregular fractures filled by fine-grained Mgt near the lower contact.</p> <p>Structure: localized fine laminations at 50 to 65CA. Moderate to strong fracturing with fractures filled by silica and Fe-carbonate, lesser Mgt. Straight fractures are often oriented at 40-45CA.</p> <p>Mineralization: traces to 0.5-1% Py small grains in some fractures, disseminated subhedral grains. The lower contact is distinct, at ~75-80CA.</p>	20

Survey	From	To	Title	Summary	Description	Angle
D-92-25	459.6	461.1	Basalte; Altéré; Fracturé(e)	V3B; AE; FA	<p>Basalt / Magnesian Basalt, strongly altered, patchy fenitized.</p> <p>The rock is dark grey with pink to mauve patches, dark brown on the exposed core surface, moderately fenitized (K-feldspar, biotite) and carbonatized, with very fine, disseminated leucoxene specks. The matrix is fine to medium-grained, massive.</p> <p>Magnetism: strong.</p> <p>Structure: 5% tension veinlets, mm-cm wide, composed of pink-beige carbonate and anhydrite/gypsum. Two distinct orientations: 1) 0-15CA, and 2) tension gashes at 35-50CA.</p> <p>Mineralization: overall, traces to 0.25% disseminated fine Py grains. 5-7% Py medium to coarse-grained aggregates in the vein across the lower contact.</p> <p>The lower contact is rather distinct by changes in grain size, alteration, disappearance of leucoxene. It is complicated by a crosscutting vein oriented at 0-10CA. The vein is 1 cm wide, pink, sugary, composed of gypsum/anhydrite and minor carbonate and contains coarse Py grains. The contact between lithologies is approximately at 65-70CA.</p>	77
D-92-25	461.1	464.8	Sédiments non divisé; Chert; Fracturé(e)	S; S10; FA	<p>Fine-grained sedimentary rocks intercalated with chert.</p> <p>Heterogeneous in appearance, variable in colour - pale to dark grey, greenish grey, beige, pink to mauve, with frequent rusty oxidation patches on the exposed core surface, mostly along fractures and veinlets. The matrix is very fine-grained to aphanitic, massive to finely-laminated. It is very siliceous, with sericite fibres in laminations, mainly non-carbonaceous except some places where the matrix is slightly carbonatized. Pink to mauve patches are Hem/K-altered.</p> <p>Magnetism: weak to strong due to fine-grained Mgt in fractures and disseminated fine grains in the matrix and Carb veinlets.</p> <p>Structure: strong fracturing, locally brecciation.</p> <p>Distinct fracture orientations:</p> <p>1) 0-20CA, filled by dark green, fine-grained aggregates of mafic to ultramafic composition. There is some movement along these low-angle fractures with mm-cm displacements of laminations.</p> <p>2) tension gashes generally oriented at 30-45CA and crosscutting laminations in opposite direction. Some veinlets are filled by Fe-carbonate and some by dark green aggregates. The brecciated parts are also cemented by the dark green material.</p> <p>Mineralization: most pyrite is concentrated in the low-angle fractures, especially at the upper contact with 5-10% Py. The rest of the interval contains traces to 0.5% Py as small to med-size cubic grains in low-angle fractures.</p> <p>The lower contact is somewhat distinct, at ~60CA, crosscut by low-angle fractures (10-15CA) filled by dark green material.</p>	67
D-92-25	464.8	467.6	Basalte; Altéré; Fracturé(e)	V3B; AE; FA	<p>Basalt / Magnesian Basalt, strongly altered, patchy fenitized.</p> <p>The rock is dark grey with pink to mauve patches, dark brown on the exposed core surface, moderately to strongly fenitized (K-feldspar, biotite) and carbonatized, with very fine, disseminated leucoxene specks. The matrix is fine to medium-grained, with locally seen remnant gabbroic (spotted) textures.</p> <p>Magnetism: strong; fine-grained Mgt aggregates in fractures, fine disseminated grains in the matrix and carbonate veinlets.</p> <p>Structure: 5% tension veinlets, mm-cm wide, composed of pink-beige carbonate and anhydrite/gypsum.</p> <p>Two distinct orientations:</p> <p>1) 0-15CA, filled by carbonate +/-gypsum/anhydrite;</p> <p>2) tension mm veinlets/gashes oriented at 35-50CA.</p> <p>Mineralization: 0.5 to 5% Py small to med-size, disseminated, subhedral to euhedral grains and medium to coarse-grained aggregates in fractures, in some veinlets along with fine-grained Mgt.</p> <p>The lower contact is somewhat distinct, at 30-35CA.</p>	60

Survey	From	To	Title	Summary	Description	Angle
D-92-25	467.6	480	Sédiments non divisé; Chert; Fracturé(e)	S; S10; FA	<p>Fine-grained sedimentary rocks intercalated with chert.</p> <p>Heterogeneous in appearance, mainly pale to dark greenish grey, beige-grey, locally pink, with rusty oxidation patches on the exposed core surface, mostly along fractures and veinlets. The unit is composed of alternating 1) aphanitic to very fine-grained, massive and finely-laminated chert and mudstone, and 2) fine-grained, massive, mafic greywacke. The boundaries between different types of sediments can be distinct or gradational.</p> <p>475.3-476 m - probably basalt/Mg-basalt with minor amygdules.</p> <p>Magnetism: mostly non-magnetic; some carbonate veinlets contain Mgt grains; fractures filled by fine-grained Mgt near the lower contact.</p> <p>Structure: laminated intervals are well-foliated at 50-60CA.</p> <p>At 471 m - 1 to 3 cm displacements of laminations along low-angle fractures.</p> <p>Mineralization: 0.5-2% Py small to med-size, euhedral to subhedral grains in fractures, disseminated in the matrix.</p> <p>The only sample which returned slightly elevated gold grades (0.18 g/t Au), at 478.54-480.06 m, corresponds to the border between non-fenitized and fenitized sediments. This interval has low-angle fractures (10-25CA) with pink, Hem/K-altered halos and which are mineralized by 1 to 5% Py fine to med, subhedral grains and aggregates.</p> <p>The lower contact is arbitrary, gradational, marked at the beginning of strong biotite alteration.</p>	32
D-92-25	480	483.2	Sédiments non divisé; Altéré	S; AE	<p>Fine-grained sedimentary rocks, fenitized.</p> <p>The rock is dark brown-red, in parts dark greenish grey, pervasively fenitized (biotite and K-feldspar alteration), patchy carbonatized, massive, with fine and medium-grained sections which sometimes have rather distinct borders at ~55CA. Fine-grained intervals predominate. Carbonate shows mild reaction to HCl. This interval seems to be derived from mafic to ultramafic rocks.</p> <p>Magnetism: moderate.</p> <p>The upper half of the interval is weakly fractured, crosscut by several low-angle (10-20CA), straight fractures filled by dark green aggregates - probably Amph, Chl, could be some Serp, with variable Fe-Carb, Fsp, Qz. Fractures have pink alteration halos and are mineralized by traces to 2% Py as small cubic grains.</p> <p>The lower half (from 482 m) is strongly fractured, with numerous, irregular, variably oriented, mm veinlets/tension gashes filled by beige Fe-carbonate. Several late veinlets are composed of Carb, pink Ca-sulphates, fine-grained Mgt and medium-grained Py. No gold grades.</p> <p>The lower contact is somewhat distinct (broken core), possibly at 50-55CA.</p>	
D-92-25	483.2	486.25	Sédiments non divisé; Altéré; Cisailé	S; AE; CS	<p>Medium-grained sedimentary rock, fenitized, foliated. Tuff?</p> <p>From 483.2 m, the rock becomes distinctly red (Hem, K-feldspar alteration) with dark green streaks (Chl, Amph, Serp ?). It is medium-grained, probably sandstone, non-sorted, composed of small, subround to subangular, greyish grains in pink, finer-grained groundmass. From 484 m, it becomes coarser, foliated at 40-50CA with grains slightly flattened and aligned parallel to the foliation. Some parts have a rather mylonitic appearance. Several beige Carb veinlets are parallel to the foliation. A distinct set of parallel fractures crosscut the foliation at 30-45CA in opposite direction. Epidote appears in fractures in the lower parts.</p> <p>Moderate to strong magnetism due to fine disseminated Mgt grains and fine-grained aggregates in fractures.</p> <p>Mineralization: traces Py.</p> <p>The lower contact is distinct at ~50CA, sheared, with dragged fractures on the footwall side.</p>	
D-92-25	486.25	488	Sédiments non divisé	S	<p>Fine-grained sedimentary rock.</p> <p>Medium to dark greenish grey, fine-grained with occasional, larger, dark grey anhedral grains - phenocrysts? clasts? Fine Plg grains seen in the groundmass are yellowish, epidotized/saussuritized. Minor epidote occurs in fractures and patchy alteration halos around some veinlets. Most fractures and veinlets are filled by beige-white carbonate. Very fine disseminated leucoxene specks</p> <p>Magnetism: strong to moderate due to fine disseminated Mgt.</p> <p>Structure: numerous irregular, beige-white, pinkish carbonate-dominant, mm-cm veinlets.</p> <p>Reddish Hem/K alteration along some veinlets, fractures. At 486.5 m - two tension veinlets at 50-55CA.</p> <p>Mineralization: traces to 0.5-1% Py medium-grained aggregates in some veinlets.</p> <p>The lower contact is somewhat distinct, irregular.</p>	50

Survey	From	To	Title	Summary	Description	Angle
D-92-25	488	488.85	Sédiments non divisé; Cisailé	S; CS	<p>Sedimentary rock (?), sheared, patchy fenitized.</p> <p>The matrix is fine-grained, with distinct fine, greyish to colorless grains, probably feldspar. The colour varies from pale grey to pink to mauve-grey. Numerous, pinkish, beige-white, irregular, carbonate-dominant veinlets give the rock a mottled appearance. Some veinlets contain fine-grained epidote masses and fine amphibole crystals.</p> <p>Magnetism: moderate due to fine disseminated Mgt grains and fine-grained Mgt aggregates in fractures.</p> <p>Structure: foliated, sheared, with weakly to well-developed foliation at 30-35CA. Small grains appear flattened in strongly sheared parts.</p> <p>Mineralization: traces to 0.5% Py very fine to small disseminated grains, aggregates in some fractures and foliation planes.</p> <p>The lower contact is rather distinct, sheared at 40CA.</p>	
D-92-25	488.85	551.2	Basalte; Basalte d'aspect gabbroïque	V3B; V3B (I3A)	<p>Gabbroic Basalt / Gabbro?</p> <p>The rock is rather uniform with a spotted, porphyritic appearance, overall medium-grained. Slightly larger, anhedral, ferromagnesian phenocrysts are surrounded by a finer-grained plagioclase groundmass. Phenocrysts are dark green to brown-green, replaced by chlorite and biotite. Plagioclase masses are beige, pinkish grey, carbonatized. Overall, the rock is medium to dark grey, greenish grey. The matrix is often biotite-altered, fenitized, weakly to strongly, patchy to pervasive. There are several highly biotitized, dark brown intervals, ranging from 1 to 7 m in length. Strong leucoxene alteration in the upper portion of the unit, then occasional. Minor epidote in fractures in non-fenitized parts. Starting from ~535 m, the intensity of the epidote alteration increases in fractures and the matrix and becomes strong at the bottom of the unit.</p> <p>Magnetism: strong throughout the interval due to the presence of 2-5% disseminated, anhedral to subhedral, Mgt grains. Locally, there are fine-grained Mgt aggregates in fractures/veinlets.</p> <p>Structure: most parts are weakly fractured and crosscut by carbonate-dominant veinlets.</p> <p>Distinct vein types are:</p> <ol style="list-style-type: none"> 1) beige-white to pinkish white, carbonate-dominant veinlets, mm-cm wide, typically oriented at 35 to 65CA. 2) occasional greyish Carb veins, 1-5 cm wide, with fine Mgt grains and sometimes fine-grained Mgt aggregates; often oriented at low core angles, at 10-25CA, but could also be at higher angles. They seem to crosscut the veinlets of type 1. 3) pink Ca-carbonatite veins with elevated REEs, Sr, and Th occur within the brown, biotite-altered sections. <p>Mineralization: traces to 0.5% Py. Brown, fenitized sections contain 1-2% fine disseminated Py.</p> <p>The lower contact is distinct, foliated at 42CA.</p>	40
D-92-25	551.2	553.5	Sédiments non divisé	S	<p>Arkosic sandstone.</p> <p>The rock is medium-grained, composed of non-sorted mixture of randomly oriented grains of feldspars and lesser quartz. Grains are subangular, round, mainly sub-mm to 1-2 mm in size. Some Qz grains are larger, bluish grey. Feldspars are white, pink, beige, sometimes oriented parallel to weakly-developed foliation. Overall, the rock is pink to beige in the upper half and yellowish grey with pink patches in the lower (yellowish because of epidote alteration of plagioclase grains).</p> <p>At 552.3-552.55 m - a fragment of dark green-grey basalt with numerous Carb veinlets, fine-grained, strongly magnetic. The contacts with the surrounding sediments are somewhat distinct, at 35-45CA.</p> <p>Magnetism: moderate due to fine disseminated Mgt grains and fine-grained aggregates in fractures.</p> <p>Structure: weak foliation at 40-45CA with sericite and epidote fibres. The interval contains 3-5% greyish beige Carb-dominant veins with fragments of grey Qz and fine Mgt grains, which are oriented at 35-45CA, roughly in the same direction as the foliation.</p> <p>Mineralization: traces Py.</p> <p>The lower contact is broken.</p>	42

Survey	From	To	Title	Summary	Description	Angle
D-92-25	553.5	557.2	Sédiments non divisé; Chert; Basalte; Altéré; Cisailé	S; S10; V3B; AE; CS	<p>Fine-grained sediments intercalated with chert, patchy fenitized, sheared.</p> <p>The upper 80 cm interval is composed of finely laminated chert intercalated with fine-grained sediments (siltstone, mudstone) and possibly a small section of basalt. The colour is mottled pale to medium greenish grey, beige-grey and pinkish. Silica content is highly variable. Strongly magnetic due to fine, disseminated Mgt and fine-grained Mgt aggregates in fractures and foliation planes. Foliation/lamination is well-developed at 40-45CA. Traces Py.</p> <p>From 554.4 m, the rock becomes darker grey with abundant very fine-grained Mgt seams and irregular masses, with some specular hematite in the matrix and dark brown fibres (probably biotite). It is well-foliated at 40-45CA and contains numerous rusty-beige-pink Carb veinlets and Carb+Fsp+Qz bands parallel to the foliation. It could be Pink K/Hem patchy alteration. Some pink veins contain elevated REEs and, thus, are carbonatite-related.</p> <p>Mineralization: 1-3% Py small to med-size, cubic, disseminated grains and medium-grained aggregates in fractures parallel to the foliation.</p> <p>554.74-559.31 m - three consecutive, 1.5 m long, samples gave slightly elevated gold grades ranging from 0.15 to 0.27 g/t Au. This mineralized interval includes the fenitized and pyritized, foliated sediments and the adjacent, patchy fenitized and fractured basalt.</p> <p>The lower contact is distinct, at 40-45CA.</p>	
D-92-25	557.2	562.66	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, strongly fractured.</p> <p>The interval has a mottled appearance because of numerous, irregular, white carbonate veinlets. Basalt is fine-grained, dark grey to greenish grey, pervasively chloritized, with some brownish and reddish patches in the upper portion. Very fine disseminated leucoxene.</p> <p>Magnetism: strong.</p> <p>Structure: numerous white carbonate tension gashes at 35-40CA, locally weakly-developed foliation at 30-35CA. Overall, 15-20% carbonate veinlets, sub-mm to 5 mm wide.</p> <p>Mineralization: traces to 0.5-1% Py small, disseminated, subhedral grains. One sample adjacent to sediments above gave 0.27 g/t Au; no grades in other parts.</p> <p>EOH</p>	42

D-92-34A			UTM coordinates			
Year drilled 1992		Azimuth: 360° Dip: -65° Length: 390.14m		East: 708924.7 North: 5490040.6 Elevation: 304.98m		
Survey	From	To	Title	Summary	Description	Angle
D-92-34A	0	100.28	Mort terrain	M-T	Overburden.	
D-92-34A	100.28	131	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, epidotized, strongly fractured.</p> <p>The interval has a mottled, chaotic appearance due to strong patchy, speckled and fracture-filling epidote+/-calcite alteration. The matrix is fine-grained, medium to dark green-grey, chloritized, with saussuritized Plg grains, which give some intervals a gabbroic appearance. It may contain varioles (some localized roundish, epidote-altered patches). Locally small amygdules.</p> <p>Magnetism: weak to moderate.</p> <p>Structure: moderate to strong, irregular fracturing. Most commonly, fractures are oriented at high core angles (50-80CA); some are at 35-40CA. Locally brecciated host rock cemented by epidote.</p> <p>101-106 m - fractures with dissolution cavities, oriented at 0-10CA. Weak patchy pink K/Hem alteration along fractures.</p> <p>120-121.6 m - fractures at 15-25CA with earthy red hematite coating.</p> <p>Mineralization: traces to 1-2% Py fine-grained to medium-grained aggregates in some fractures, epidote veinlets.</p> <p>At 100.8 m, there is a 10 cm long piece of core composed of pyrite concretions in a black, fine-grained to aphanitic matrix, slightly aligned at 25-35CA.</p> <p>From ~129 m, epidote gradually disappears, the rock becomes paler, non-magnetic, with very fine disseminated leucoxene. Chlorite stays in fractures and minor in the matrix. No reaction to test for carbonates.</p> <p>The lower contact is distinct, at 40CA.</p>	
D-92-34A	131	136.75	Volcanique felsique; Chert; Bréchiqque	V1; S10; BX	<p>Felsic volcanics (rhyolitic autobreccia)? Brecciated cherty sediments? - the rock resembles the interval in DO-19-262 at 309m.</p> <p>The rock is very siliceous, fine-grained to aphanitic, with white to pale grey matrix (similar to sericitic chert); non-magnetic, non-carbonaceous.</p> <p>Structure: the rock is strongly fractured, microfractured and often brecciated with mm-cm, angular fragments cemented by colorless silica. There are several foliated intervals (flow banding? sheared?), 3 to 15 cm wide, mainly oriented at 40-45CA. A few occasional fractures running at 10-15CA, filled by silica, carb.</p> <p>At 135.6-135.9 m, two foliated, sericitic zones crosscut the fractured matrix. Fractures are filled by silica, greenish grey fine material (chlorite, phengite?) and minor carbonate.</p> <p>Mineralization: irregularly distributed pyrite; traces to 2-3% Py fine to coarse cubic grains. Locally 1-2 cm wide bands at 40-47CA which contain coarse cubic Py grains with slightly rounded corners.</p> <p>136.55-136.75 m - 5-7% Py fine to coarse disseminated cubic grains in microbrecciated, grey-white cherty matrix.</p> <p>The lower contact is distinct, at 60CA.</p>	40

Survey	From	To	Title	Summary	Description	Angle
D-92-34A	136.75	143.3	Basalte	V3B	<p>Moderately bleached basalt. The upper parts resemble fine-grained sediments with a large proportion of feldspar.</p> <p>The rock is fine-grained, massive, with medium grey to beige-grey, Plg-rich matrix, non-magnetic, weakly carbonatized, moderately hard. From ~140 m, the matrix becomes increasingly chloritic.</p> <p>Structure: moderately fractured with greyish silica, chlorite, carbonate infilling. Several generations of fractures.</p> <p>140.6-142 m - intervals with subround breccia (flow?).</p> <p>142.0-142.5 m - medium to pale grey, very siliceous, aphanitic, injection-like veins invading basalt, 0.2-5 cm wide, resembling chert or felsic volcanics. Mineralized by 2-5% Py aggregates, traces Cpy.</p> <p>Mineralization:</p> <p>136.75-137.15 m - 10% Py coarse, cm cubic grains with slightly rounded corners, 3% sphalerite in a very fine, siliceous matrix.</p> <p>137.15-137.5 m - 1-2% Py small to coarse cubic grains in fractures, disseminated; traces Cpy, Sph.</p> <p>137.5-141 m - traces to 1% Py fine to medium-grained aggregates in some fractures (mainly in silica-filled); traces Cpy, Sph.</p> <p>141-143.3 m - 2-5% Py fine and medium-grained irregular-shaped aggregates, often fracture-controlled, lesser disseminated.</p> <p>The lower contact is distinct, at 30CA, with noticeable changes in grain size and texture.</p>	60
D-92-34A	143.3	297.6	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, probably the upper parts of a mafic flow, possibly pillowed, with frequent strongly fractured intervals.</p> <p>The rock has a fine to medium-grained, medium to dark green-grey, chloritized matrix with whitish, randomly-oriented Plg laths forming a felted (gabbroic) texture. At 218-256 m - ophitic textures formed by Plg laths surrounding larger, altered, mafic phenocrysts. From ~256 m, basalt becomes fine-grained, without gabbroic textures. Locally small round amygdules filled by bluish grey silica.</p> <p>There are some vein-like enclaves within basalt, a few mm to several cm in size, with rather distinct margins. They are finer-grained, darker grey, without Plg laths, chloritic, higher in silica than the host rock (XRF: 45% SiO₂ vs. 30% SiO₂ in basalt); often magnetic and mineralized by 2-3% diss cubic Py. Could be late residual injections, less plausible pillow margins.</p> <p>Numerous fractures are filled by epidote+carbonate aggregates. Locally moderate patchy epidotization, minor disseminated leucoxene. A few localized weakly fenitized (reddish black) and carbonatized intervals without epidote alteration.</p> <p>Magnetism: from 143.3 to 161 m - mostly non-magnetic with occasional magnetic spots and magnetic pillow rims. From ~161 m, the rock becomes weakly to moderately magnetic.</p>	30
D-92-34A	297.6	300.7	Sédiments non divisé; Chert	S; S10	<p>Graphitic argillite with chert, probably of exhalative origin.</p> <p>Black, very fine-grained to aphanitic, very siliceous, hard, non-carbonaceous, non-magnetic, with fine irregular laminations at ~60CA.</p> <p>Mineralization: abundant pyrite in the form of fine to coarse disseminated cubic grains, often with rounded corners, round nodules, fine-grained to medium-grained aggregates, crenulated bands. Overall, 5-7% Py. Samples taken in this interval returned 1.24 and 0.15 g/t Au (over 1.5 m each sample).</p> <p>At 300.7 m, there is a noticeable change in colour, the rock becomes pale grey, fine-grained. No sharp contact.</p>	
D-92-34A	300.7	302.4	Sédiments non divisé	S	<p>Fine-grained sediments, mudstone.</p> <p>The rock is pale grey to white, siliceous (slightly less SiO₂ than in graphitic argillite), fine-grained, non-magnetic, non-carbonaceous. The rock is strongly fractured, microfractured, with fractures filled by bluish grey silica; non-foliated.</p> <p>Mineralization: abundant pyrite in the form of fine to med-size disseminated cubic grains, fine to medium-grained aggregates in fractures, ranging from 2 to 7%. No gold grades.</p> <p>The lower contact is distinct, at 20CA. The XRF data show no Mn in this rock, while Mn is present in the adjacent basalt.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-34A	302.4	343.2	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, fractured.</p> <p>In the upper portion of the unit, 302.4-307 m, basalt is aphanitic to very fine-grained, medium grey to greenish grey, patchy chloritized and moderately carbonatized (Fe-calcite to dolomite). Contains very fine disseminated leucoxene.</p> <p>Magnetism: moderately magnetic due to the presence of fine-grained Mgt streaks, fine disseminated grains. At 307.1 m, there is a 15 cm wide interval with distinct contacts (~60-70CA) mainly composed of fine-grained magnetite with 10% Py.</p> <p>Structure: moderate fracturing; some carbonate-filled fractures are oriented at 40CA; some are at 15-20CA.</p> <p>This interval is mineralized by 3-7% Py which forms fine to med-size, disseminated, cubic grains and fine to medium-grained, fracture-controlled aggregates. No gold grades.</p> <p>307-343 m - basalt becomes fine-grained, medium greenish grey, chloritized, with weak to moderate patchy and fracture-filling epidote alteration. Some intervals are dark brownish grey, weakly to moderately fenitized and Fe-carbonatized, without epidote. A fenitized interval at 317-319 m returned 0.12 g/t Au over 1.5 m.</p> <p>Magnetism: variable - non-magnetic to weakly magnetic; stronger magnetism in fenitized parts.</p> <p>Structure: the rock is highly fractured, broken to cm-dm pieces (RQD<10). Dissolution cavities along some fractures.</p> <p>1) dominant fractures are irregular, with rough surfaces and minimal coating, tightly-spaced and mainly oriented at 50 to 80CA;</p> <p>2) at 333-334.5 m - weakly sheared interval with Carb-dominant veinlets oriented parallel to the foliation at 20-25CA. Weak to moderate patchy carbonatization and weak patchy Hem/fenitization along the fractures; 1-2% fine diss Py.</p> <p>Mineralization: traces to 0.5-1% Py fine to medium disseminated grains, aggregates in some fractures, locally Py replacing Mgt; 1-3% Py fine to med-size cubic grains in fenitized sections.</p>	
D-92-34A	343.2	345.95	Basalte; Altéré; Volcanique felsique non divisé; Bréchtique	V3B; AE; V1; BX	<p>Mineralized Zone</p> <p>Possibly highly bleached, microbrecciated basalt with felsic (rhyolitic?) enclaves or injections. The exposed core surface is covered with patchy iron oxidation stains.</p> <p>The upper portion of this unit, approximately 50 cm long, is composed of white, pale grey, yellowish beige, very siliceous rock, which resembles the felsic flow seen in this hole at 131-136.75 m. The matrix is heterogeneous, aphanitic to fine-grained, frequently microbrecciated and cemented by colorless silica. There are some spots with remnant chlorite and leucoxene, could be fragments of basalt. Numerous fractures and microfractures are filled by Fe-carbonate and silica. Non-magnetic.</p> <p>From ~343.7 to 345.95 m:</p> <p>There are two distinct types of "milled" rock, very similar to the high-grade zone in DO-19-262 (417-428m).</p> <p>1) beige, Fe-carbonatized, sericitized fine-grained matrix with small Fsp grains or microbrecciated fragments.</p> <p>XRF measurements: SiO2=30-35%, Al2O3=8-9%, Ca=2.5-4%, K=400-1400 ppm). Probably Bleached basalt.</p> <p>2) grey, very siliceous (XRF SiO2=53%), with microbrecciated fragments of Fsp, Alb, possibly Qz "eyes" and of sericitized/carbonatized type 1 rock. The fragments are bluish, colorless, whitish, angular to round and variable in size (tiny to med-size).</p> <p>XRF measurements: SiO2=45-54%, Al2O3=3-4%, Ca=1-2.5%, no K). Felsic volcanics?</p> <p>The contacts between the two types are typically well defined, mostly irregular. On some contacts it looks like the grey rock (type 2) penetrates the fabrics of the beige (type 1).</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-34A	345.95	349.4	Basalte; Altéré	V3B; AE	Continuation of the Mineralized Zone. Highly bleached basalt, fine-grained, with disseminated leucoxene throughout. The exposed core surface is covered with rusty oxidation stains. The fresh surface is pale beige-grey. Moderate to strong, pervasive Fe-carbonatization and weak patchy sericitization, minor remnant chlorite which becomes more noticeable downhole. Magnetism: weakly to moderately magnetic from 346.7 m due to the presence of fine disseminated Mgt grains. Structure: moderate to strong irregular fracturing with Carb and lesser silica infilling. Some parts are microbrecciated. Mineralization: 0.5-1% Py fine to med-size, disseminated, subhedral grains; 1-3% Py near both "contacts". The lower "contact" is arbitrary, marked at the beginning of fenitization.	
D-92-34A	349.4	357.1	Basalte; Altéré	V3B; AE	Continuation of the Mineralized Zone. Same basalt, patchy to pervasively fenitized and patchy carbonatized. Basalt is fine-grained, some parts look slightly coarser probably partially recrystallized during fenitization. The rock is mottled, red, pink, green, medium grey, brownish with numerous beige, mm veinlets/fractures. Minor specular hematite in fractures. There is patchy iron oxidation on the exposed core surface, mostly along fractures. Carbonate produces weak effervescence with HCl (Fe-carbonate). Magnetism: weakly to moderately magnetic due to fine disseminated Mgt. Structure: numerous carbonate-filled fractures/mm veinlets, mainly oriented at high core angles (50-80CA). Some parts are microbrecciated ("milled") and cemented by carbonate. A few crosscutting silica veinlets. At 354.2 m - a 1 cm wide carbonatite veinlet. Mineralization: 0.5 to 2-3% Py very fine to fine disseminated grains and fine-grained aggregates, less common med-size Py grains. Locally up to 5%. At 357.0-357.1 m, there is a microbrecciated ("milled") zone cemented by beige-grey carbonate, with distinct margins at rather high core angles (~65CA). After this zone, there are distinct changes in the rock appearance; it becomes more chloritized, coarser-grained. This "milled" zone may well mark the contact. The high gold grades range from 1.2 to 6.45 g/t Au (over 1.5 m long samples) within the mineralized zone starting from 343 to 358 m. This interval comprises highly altered basalt (Fe-carbonatized, fenitized) with ~10% felsic enclaves/injections. The grades go down after the contact with the following them Mg-basalt/ultramafics.	
D-92-34A	357.1	362.7	Basalte magnésien; Komatiite; Altéré; Cisailé	V3F; V4A; AE; CS	Sheared and altered Magnesian basalt or Komatiitic basalt. The interval is patchy Fe-carbonatized, patchy fenitized and chloritized (or/and serpentized). It has a very mottled appearance, which is particularly well distinguished on the rusty, oxidized surface of the exposed core. Overall, the rock is medium to dark grey with beige, pinkish and greenish patches. The matrix is fine-grained, dark green, chloritized; it contains fine to medium-grained patches of secondary K-feldspar. Disseminated leucoxene. The intensity of Fe-carbonatization is moderate to strong within the upper, sheared interval; then it gradually decreases. Magnetism: moderate in the upper parts, then from ~362 m, the rock becomes sporadically magnetic to non-magnetic. Structure: 357.1 to 361.5 m - strongly sheared with moderately-developed foliation at 30-40CA, defined by thin streaks filled by very fine black material (+/-Mgt, black mica, minor specular Hem). Some carbonate-filled, irregular tension gashes tend to be at high core angles. 361.5-362.7 m - strongly fractured, non-foliated, with carbonate-filled tension gashes at various angles - 15 to 65CA. Mineralization: traces to 0.5-1% Py fine disseminated grains, at 359.8-360.2m - up to 3-5% Py as fine-grained irregular masses. Samples within this interval (358.14-364.24 m) have continuous low gold grades ranging from 0.45 to 0.79 g/t Au (over 1.5 m samples).	

Survey	From	To	Title	Summary	Description	Angle
D-92-34A	362.7	373	Basalte magnésien; Komatiite; Altéré; Fracturé(e)	V3F; V4A; AE; FA	<p>Continuation of Magnesian basalt or Komatiitic basalt, patchy fenitized, moderately fractured. The rock is fine to medium-grained, dark greenish grey, pervasively chloritized, possibly also serpentinized, with reddish patches of weak to moderate potassic fenitization, weakly carbonatized. Minor disseminated leucoxene. The intensity of fenitization gradually decreases with depth. XRF measurements show gradual decrease in silica (27% -> 20% SiO₂) and increasing magnesium (1% -> 5% MgO) and nickel (100 -> 550 ppm Ni). Magnetism: non-magnetic to weakly to moderately magnetic due to fine disseminated Mgt grains.</p> <p>Structure: 362.7-363.35 m - a relatively non-deformed interval with fine-grained chloritized matrix and coarser grains of pinkish grey K-feldspar; leucoxene grains and fine specks of biotite. At 363.35 m, there is a 0.5-1 cm wide shear zone, chloritized, at 25CA. 363.35-372 m - moderate fracturing; 3-7% irregular, pinkish beige, tension veinlets, mm-cm wide, mainly composed of carbonate with crystals grown perpendicular to the vein walls.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size disseminated cubic grains. No gold grades. The lower contact is arbitrary.</p>	
D-92-34A	373	390.14	Komatiite; Cisailé	V4A; CS	<p>Sheared, serpentinized Komatiite. The rock is rather uniform, fine-grained, dark greenish grey to black, with buff-rusty specks on its exposed surface; pervasively serpentinized, soft to scratch. Magnetism: the rock is mostly non-magnetic, in some parts weakly magnetic.</p> <p>Structure: 373-383 m - strongly sheared with moderately to well-developed foliation at 30-50CA (mainly 35-40CA); 2-3% white Qz and rusty beige Fe-carbonate veins occur parallel to the foliation planes. At 383 m - 2-3 cm of loose flakes of fault gouge. After this zone, the rock becomes less sheared, still injected by Carb and Qz-Carb veins oriented at 40-50CA. 383.2-383.6 m - a few low-angle mm veinlets/fractures, at 0-15CA, filled by Carb/Fe-Carb. 388.5-390.14 m - fracturing at very low core angles, 5-15CA, dissolution cavities, weak to moderate patchy biotite (potassic alteration); 1-2% pinkish beige carbonate-filled tension veinlets.</p> <p>Mineralization: traces to 0.5% Py fine to med-size disseminated grains; 0.5-1% Py very fine to med-size diss cubic grains in the biotite-altered portion. EOH</p>	

D-92-34A-1			UTM coordinates			
Year drilled 1992		Azimuth: 360° Dip: -65° Length: 459.03m		East: 708924.7 North: 5490040.6 Elevation: 304.98m		
Survey	From	To	Title	Summary	Description	Angle
D-92-34A-1	153.01	255.2	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, epidotized, strongly fractured.</p> <p>The rock is medium to dark green-grey, pervasively chloritized, with weak to moderate epidote alteration. Epidote occurs in fractures, patches and as part of saussuritization of plagioclase. The upper parts of this interval are fine-grained and contain occasional, small, round amygdules filled by silica, pyrite, chlorite and minor carbonate; locally flow breccia. From ~173 m, basalt is fine to medium-grained, gabbroic, with felted and localized ophitic textures. Locally minor disseminated leucoxene.</p> <p>Some intervals, typically 1-2 m long, are dark brownish grey, weakly to moderately fenitized, patchy carbonatized, without epidote. They were spot-sampled but didn't return any gold values. Magnetism: variable, weak to moderate, in some parts non-magnetic. At 158.2-159.2 m - strongly magnetic flow breccia, mineralized by 2-5% Py, no grades.</p> <p>Structure: 153.01-173 m - weak fracturing at 30-35CA and 5-10CA (low-angle fractures are younger); several intervals (1-3 dm long) of tightly-spaced fractures at 60-80CA. 173-173.15 m - strongly fractured, cohesive interval (fault?) cemented by Carb material with fine disseminated Mgt grains; 45-55CA; numerous dissolution cavities. 173.15-255.2 m - a highly fractured zone with cm-dm core pieces, RQD<10. Fractures are irregular, with rough surfaces and minimal coating, tightly-spaced and mainly oriented at high core angles (55-80CA). Another set of fractures and mm-cm veinlets is oriented at 5-15CA, filled by Carb, earthy Hem, Ep, and Ca-carbonatite veinlets. Dissolution cavities along some fractures, especially low-angle ones. At 224.8-224.9 m - 3-5 cm wide, pink, coarse-grained Ca-carbonatite vein with coarse pyrite (same as in D-92-34A at 230-231 m). Mineralization: traces to 1% Py small, disseminated, subhedral to euhedral grains, fine to medium-grained aggregates in some fractures; locally up to 2-3% Py.</p>	
D-92-34A-1	255.2	257.5	Basalte; Altéré	V3B; AE	<p>Basalt, patchy to pervasively fenitized.</p> <p>The rock is dark brown-grey on the flanks of the interval and medium pink-red in the central portion (256.2-257.2 m). Locally, there are remnant, dark green-grey, chloritized parts. The rock is fine-grained with medium-grained patches of secondary feldspars; weakly magnetic to non-magnetic. Abundant very fine, disseminated leucoxene.</p> <p>Structure: moderate fracturing, locally weak foliation/shearing at 55CA. The red central portion is crosscut by low-angle fractures (0-15CA) filled by Carb, specular Hem and green Chl or Amph. It appears more deformed, in parts "milled", with medium to coarse Plg-Fsp- (Qz?) recrystallized patches.</p> <p>Mineralization: 0.5-2% fine disseminated grains, in some fractures.</p> <p>The lower contact is distinct, at ~85CA.</p>	
D-92-34A-1	257.5	257.7	Chert; Folié	S10; FO	<p>Chert, siliceous, sericitic, creamy beige, finely laminated at 65-70CA, strongly fractured. Fractures are mainly oriented at very low core angles (0-5CA), filled by colorless silica, white Carb and green Amph. Mainly non-magnetic, locally faintly magnetic.</p> <p>Mineralization: 5-7% Py fine to coarse anhedral, blebby grains, aggregates in fractures along with brownish Sph, traces galena. At 256.6 m - a tiny cluster of dusty VG specks in a low-angle fracture. Both upper and lower contacts are quite distinct, almost perpendicular to the core axis. The lower contact is mineralized by 7-10% Py+Sph fine-grained aggregates in foliation planes.</p>	85
D-92-34A-1	257.7	261	Basalte; Altéré	V3B; AE	<p>Continuation of fenitized Basalt.</p> <p>Basalt is medium to dark brown, red, grey, fine-grained, with abundant very fine leucoxene, weakly magnetic.</p> <p>Structure: moderate to strong irregular fracturing with fractures filled by Carb, silica, green Amph. Angles vary from 0 to 55CA. Common dissolution cavities.</p> <p>Mineralization: 1 to 5% Py fine to med-size anhedral to euhedral grains, disseminated, fine to medium-grained aggregates in fractures.</p> <p>The lower contact is arbitrary, marked at the end of fenitization.</p>	85

Survey	From	To	Title	Summary	Description	Angle
D-92-34A-1	261	300	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, epidotized, strongly fractured.</p> <p>The rock is medium to dark green-grey, pervasively chloritized, with weak to moderate epidote alteration. Epidote occurs in fractures, patches and as part of saussuritization of plagioclase. The upper parts of this interval are fine to medium-grained with gabbroic (felted) textures. From ~271 to 293 m, the rock is finer-grained and from 293 m becomes gabbroic again.</p> <p>Magnetism: variable, weak to strong.</p> <p>Structure:</p> <p>261-291 m - a highly fractured zone with cm-dm core pieces, RQD<10. Fractures are irregular, with rough surfaces and minimal coating, tightly-spaced and mainly oriented at high core angles (55-80CA). Another set of fractures and mm-cm veinlets is oriented at 5-15CA, filled by Carb, earthy Hem and Ep.</p> <p>291-299 m - a bit more competent interval, moderately fractured at 50-80CA. Several vuggy veins crosscut this interval at 15-30CA. They are mainly filled by coarse calcite and quartz forming drusy crystals in vugs. This interval is gabbroic, weakly to non-magnetic.</p> <p>299-300 m - mod-str irregular fracturing with Cal and brown biotite infilling; epidote disappears; widespread beige leucoxene; brown-green patches of biotite replacing chlorite.</p> <p>Mineralization: traces to 0.5-1% Py small disseminated grains, in some fractures.</p> <p>The lower contact is distinct, at 58CA, mineralized by very fine Py aggregates.</p>	
D-92-34A-1	300	301.85	Chert; Sédiments non divisé	S10; S	<p>Chert intercalated with fine-grained sediments, strongly fractured.</p> <p>The exposed surface of the rock is covered with rusty oxidation stains. On fresh breaks, chert is pale grey to beige, siliceous, sericitic, non-carbonaceous, aphanitic to very fine-grained. Most parts are massive, some are finely laminated at 55-58CA. Non-magnetic.</p> <p>Structure: strong irregular microfracturing. Fractures are filled by dark grey fine-grained material (silica, chlorite?, graphite?) and by rusty carbonate (close to the contacts with basalt).</p> <p>Mineralization: 5-7% Py fine to coarse cubic grains and blebby nodules, aggregates in fractures and foliation planes. Traces Sph and Cpy.</p> <p>The lower contact is rather distinct, at 55CA.</p>	58
D-92-34A-1	301.85	356.5	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, epidotized, strongly fractured.</p> <p>The rock is medium to dark green-grey, pervasively to patchy chloritized, patchy epidotized, mostly fine-grained, locally gabbroic (felted). Locally disseminated leucoxene.</p> <p>At 339-343 m - patchy fenitization and carbonatization, basalt becomes dark grey with red-brown patches. Higher amounts of Py in this interval compared to the surrounding epidotized basalt.</p> <p>Magnetism: variable, weak to strong, in some parts non-magnetic. Magnetite is present as fine disseminated grains and fine-grained aggregates with Py and Carb filling fractures.</p> <p>Structure:</p> <p>301.85-354.5 m - a highly fractured interval with core broken to cm-dm pieces, RQD<10. Fractures are irregular, without or with minimal coating, tightly-spaced at 50-80CA. Another set of fractures is oriented at low core angles (5-25CA) and is filled by Carb, earthy red Hem, Ep; often contain dissolution cavities. At 318-318.4 m - a shear zone with foliation and Carb-Chl veins at 30-40CA.</p> <p>354.5-356.5 m - competent basalt crosscut by 3% irregular, mm-cm, tension veins oriented at 0-15CA and 30-50CA, mainly composed of beige Carb and fine-grained Mgt and mineralized by 1-4% Py med-size subhedral grains and aggregates. From ~355.7 m magnetite disappears, while fine leucoxene becomes more abundant.</p> <p>Mineralization: traces to 1% Py fine to med-size grains in fractures, disseminated.</p> <p>339-343 m - 2-3% Py fine to med-size disseminated cubic grains in fenitized basalt. The interval was sampled but only one sample returned 0.11 g/t Au (over 1.5 m).</p> <p>354.5-355.5 m - 1-4% Py med-size subhedral grains and aggregates in Carb-Mgt veins, bands. No gold grades.</p> <p>The lower contact is rather distinct, irregular.</p>	55

Survey	From	To	Title	Summary	Description	Angle
D-92-34A-1	356.5	361.5	Chert; Sédiments non divisé	S10; S	Chert intercalated with fine-grained, sericitic sediments and graphitic argillite. 356.5-358 m - The upper portion of the interval is composed of sericitic chert and fine sediments, pale beige, yellowish olive, grey, aphanitic to very fine-grained, finely laminated and strongly microfractured. Foliation angles range from 25 to 55CA (mainly 40-50CA). Non-magnetic. Fractures are filled by silica, carbonate, minor chlorite. The interval is mineralized by 1-4% Py fine disseminated grains, blebby, fine to medium-grained aggregates in fractures and foliation planes. No gold grades. 358-361.5 m - Graphitic argillite, dark grey, fine-grained to very fine-grained, siliceous, non-carbonaceous, non-magnetic, massive to finely laminated with foliation at 45-60CA. Mineralized by 2-5% Py in the form of small, disseminated subhedral grains and fine-grained aggregates in fractures, bands. One sample returned 0.10 g/t Au (over 1/46 m). The lower contact is distinct, at 30CA.	
D-92-34A-1	361.5	365.5	Basalte; Altéré	V3B; AE	Mineralized Zone. It could be slightly bleached basalt or fine-grained sediments. The rock has a pale greenish grey, fine-grained matrix with abundant, fine, disseminated, beige specks which resemble leucoxene but XRF doesn't detect titanium, so these specks are likely sericite. Mostly non-magnetic with a few magnetic spots. Structure: the interval is moderately to strongly fractured with a stockwork of rusty-stained fractures, mm veinlets and tension gashes, mainly filled by carbonate. Angles are variable, mainly at 15 to 35CA. Mineralization: 0.5 to 2% Py fine to med-size subhedral grains, disseminated and as aggregates in fractures. Slightly elevated gold grades in this interval: 0.10 to 0.48 g/t Au (over 1.5 m samples). The lower contact is indistinct, marked approximately.	30
D-92-34A-1	365.5	373	Basalte; Altéré; Bréchique; Volcanique felsique non divisé	V3B; AE; BX; V1	Continuation of Mineralized Zone. The exposed core surface is covered with iron oxidation stains and this makes it difficult to see the details. This interval resembles the mineralized zone seen in the parent hole D-92-34A at 343-362 m, which consists of bleached basalt and minor felsic injections. The rock is fine to medium-grained, often has a "milled" appearance with small angular grains (microbreccia?) of colorless to white feldspars surrounded by Carb/Fe-Carb. On the fresh breaks, the rock is mottled, pale grey, beige, dark grey. The matrix is pervasively Fe-carbonatized and patchy sericitized. Locally disseminated leucoxene. Magnetism: variable, with sporadic magnetic patches. Stronger magnetism in the lower parts. Magnetite is present as irregular, fine-grained aggregates, streaks and fine disseminated grains. It is often replaced by specular hematite. Structure: The interval is sheared with weakly to moderately-developed foliation at 25-40CA. At 367.3-367.45 m, the foliation is parallel to the core axis. Microbrecciation. Mineralization: 0.5 to 1% Py very fine to fine disseminated grains and fine to medium-grained aggregates. The bottom portion of the unit (371-373m) has 1-3% Py. The zone has continuous gold grades ranging from 0.4 to 3.3 g/t Au, with the highest grade corresponding to the mineralized bottom portion. Rusty oxidation stops abruptly at 373 m. Some core is probably missing.	
D-92-34A-1	373	390	Komatiite	V4A	Komatiite, serpentinite. The rock is black with white and brownish specks of carbonate, pervasively serpentized, soft, fine-grained, rather uniform, massive, non-magnetic to weakly magnetic. Minor leucoxene. Structure: several sheared intervals. The upper, 50 cm-long, interval is strongly sheared and fenitized (dark red-grey), with foliation at 45-55CA. 373.5-381 m - 1-2% carbonate-dominant veins in non-sheared, massive host rock, a few mm to a few cm wide, variable oriented, commonly at high core angles (50-80CA). 380.7- 383 m - faint to weak foliation (shear) at 25-35CA. Stronger magnetism in this interval. 383.5-384.2 m - a fracture running subparallel to the core axis (0-7CA), filled by Carb (no REEs, elevated Sr). 385-390 m - weak foliation (shear) at 20-30CA, 1-2% vuggy Carb-dominant veinlets (no REEs). This interval looks darker and finer-grained than the massive parts. XRF shows elevated K and Rb, probably attributed to fenitization. Mineralization: traces to 0.5-1% Py fine to med-size disseminated cubic grains.	

Survey	From	To	Title	Summary	Description	Angle
D-92-34A-1	390	400	Komatiite; Basalte magnésien	V4A; V3F	Continuation of Komatiite/Komatiitic basalt. The rock is dark green-grey (greener than serpentized intervals above), harder to scratch, fine to medium-grained, massive, uniform, weakly magnetic, weakly carbonatized, with minor leucoxene. Mineralization: traces to 1.5% Py small disseminated subhedral grains.	
D-92-34A-1	400	411	Komatiite; Altéré; Carbonatite	V4A; AE; I4Q	Continuation of Komatiite/Komatiitic basalt, patchy to pervasively fenitized, fractured and crosscut by carbonatite veinlets. The rock is black to dark brown, locally dark green-grey (non-fenitized remnants). Brown parts are strongly biotitized, fine-grained. The matrix is also moderately carbonatized, weakly to moderately magnetic. Locally traces leucoxene. Structure: numerous irregular fractures filled by pinkish beige carbonate (with trace REEs) and Ca-carbonatite veins (high REEs, elevated Sr, Th). Fractures, tension gashes and veins are often discontinuous, crisscrossing, mainly oriented at 5 to 30CA (15-25CA). Carbonatite veinlets are mm to 2 cm wide, sheeted. Mineralization: 1-3% Py small to med-size disseminated subhedral grains and aggregates. Some Py cubes are trapped in carbonatite veins. No gold grades. The lower contact is distinct, at 40-45CA, mineralized by fine-grained Py band.	
D-92-34A-1	411	416.3	Chert; Sédiments non divisé; Altéré; Carbonatite	S10; S; AE; I4Q	Chert intercalated with fine-grained sediments, patchy fenitized, fractured and injected by carbonatite veins. The interval is multicolored with various shades of grey, pink, red, brown and white. The matrix is aphanitic to fine-grained, in some parts finely laminated, locally has remnant colloform textures. Specular hematite in fractures and patchy in the matrix. Structure: the rock is strongly fractured and cut by 5% mm-cm wide, irregular veinlets composed of greyish white to colorless Qz and rusty, oxidized Fe-carbonate. Most veinlets and fractures are oriented at 20-25CA. At 412.9 m - a 4 cm wide, sheeted, pinkish Ca-carbonatite vein at 25-35CA. Mineralization: abundant pyrite in the form of fine to med-size disseminated cubic grains, fine to medium-grained irregular aggregates, mm to cm bands, overall 5-7% Py. No gold grades. The lower contact is somewhat distinct, sheared at ~40CA, injected by carbonatite veinlets.	42
D-92-34A-1	416.3	421.8	Komatiite; Altéré; Cisaillé; Carbonatite	V4A; AE; CS; I4Q	Strongly fenitized, biotite-altered ultramafics, strongly fractured and injected by numerous Ca-carbonatite veinlets. The matrix is dark brown to black, patchy to pervasively biotitized, with specular hematite in fractures and matrix, patchy carbonatized, fine-grained and locally medium-grained due to secondary feldspars. The interval has a mottled appearance, strongly fractured, in parts brecciated and cemented by creamy pink carbonatite veinlets. The carbonatite veinlets are mm to cm wide, irregular, discontinuous, mainly oriented at 15 to 40CA. Locally shear-induced foliation at 15CA. Magnetism: variable, sporadic; non-magnetic to moderately magnetic. Specular hematite partially replaces magnetite in fractures. Mineralization: 1-4% Py fine to med-size subhedral to euhedral grains, disseminated and fracture-controlled aggregates. Traces Cpy. Slightly elevated gold grades in this interval ranging from 0.07 to 0.14 g/t Au (over 1.4-1.5 m samples). The lower contact is approximate.	40
D-92-34A-1	421.8	426.3	Chert; Sédiments non divisé; Altéré; Carbonatite	S10; S; AE; I4Q	Chert with fine-grained sediments, patchy fenitized, fractured, sheared. Similarly to 411-416.3 m, the interval is multicolored, siliceous, non-carbonaceous, aphanitic to fine-grained, locally has white chert colloform textures. Specular hematite in the matrix and fractures. Magnetism: non-magnetic with rare weakly magnetic spots. Structure: the interval is strongly fractured, in parts brecciated and sheared with intermittently-developed foliation at 25-30CA. Fractures are irregular, filled by rusty Fe-carbonate+limonite and grey to colorless silica. Most fractures are oriented similarly to the foliation but some crosscut in the opposite direction at 0-15CA. Some parts show very fine laminations but it is difficult to measure the true angles. A few mm carbonatite veinlets (much lesser amounts than in fenitized ultramafics). Mineralization: 1-4% pyrite in the form of fine to med-size disseminated euhedral to subhedral grains, fine to medium-grained irregular aggregates, in fractures. This interval has elevated gold grades ranging from 0.10 to 1.47 g/t Au (over 1.4-1.5 m samples). The lower contact is approximate, marked at the beginning of a strongly sheared zone with multiple carbonatite veins.	

Survey	From	To	Title	Summary	Description	Angle
D-92-34A-1	426.3	431	Sédiments non divisé; Chert; Carbonatite; Cisailé	S; S10; I4Q; CS	Continuation of sediments, possibly with some ultramafic material, strongly fenitized (biotite, K-feldspar), with abundant specular Hem in thematrix and fractures. Sediments are injected by 30-40% carbonatite veins. The matrix of the host rock is fine-grained, brown, dark grey, siliceous, non-magnetic. Locally white chert with colloform textures. Beige-pink Ca-carbonatite veins are mm to dm wide, medium to coarse-grained, often sheeted, contain brecciated fragments of the host rock. They are oriented at 15 to 45CA (mainly 25CA), often parallel to shear planes. Mineralization: 1-3% Py medium-size and fine cubic grains, disseminated, aggregates in shear planes, rims of carbonatite veins. Two intervals with low gold grades, 0.10 and 0.24 g/t Au. The lower contact is approximate, marked at the end of the carbonatite zone.	
D-92-34A-1	431	437.2	Sédiments non divisé; Chert; Altéré	S; S10; AE	Fine-grained sediments with subordinate chert; variably fenitized, variable in colour. Two distinct intervals: 431-432.6 m - fenitized sediments with chert, dark brown, black, mauve, fine-grained with white chert colloform textures, non-magnetic to weakly magnetic, with specular hematite in the matrix and fractures. Some parts are weakly to moderately foliated (sheared) at 25-30CA. Several low core-angle fractures crosscut the foliation at 0-15CA. Mineralized by 2-3% Py fine to med-size subhedral grains, disseminated and some in fractures. At the lower end of this interval, there are numerous medium-size grains (Qz, Fsp) in the very fine-grained matrix. 432.6-437.2 m - sediments with minor chert, patchy fenitized, variable in colour and grain size - medium to pale green-grey, green, dark mauve, brown-red. The matrix is mainly fine-grained, often contains elongated and anhedral grains (pale grey, white, dark grey, Fsp, Qz). Non-magnetic to weakly-moderately magnetic due to sporadic fine disseminated Mgt grains which are partially replaced by hematite. Some parts are foliated at 25CA, fenitized and injected by a few carbonatite veinlets (also 25CA). Mineralized by 1-3% Py fine to med-size subhedral to euhedral grains, disseminated, in fractures. No gold grades The lower contact is approximate.	
D-92-34A-1	437.2	442.5	Basalte magnésien; Altéré; Carbonatite	V3F; AE; I4Q	Mafic volcanics, Mg-basalt/Basalt. Two distinctly different intervals: 437.2-440 m - strongly fenitized/biotitized interval, probably mafic to ultramafic volcanics, dark brown-black, fine to med-grained, moderately magnetic, weakly carbonatized. The interval is injected by 1-2% carbonatite veinlets at 0 to 35CA. Mineralized by 1-3% Py fine to med-size cubic disseminated grains. At the end of this interval, the intensity of fenitization gradually decreases and the rock grades into green, epidotized mafic rock. 440-442.5 m - medium green Mg-basalt/Basalt, chloritized, with yellowish epidote alteration along fractures and in the matrix. Fine-grained with a vesicular texture. Small, irregular-shaped vesicles are filled by chlorite and carbonate. Variably magnetic (non-magn to magn, diss Mgt). The interval is weakly to moderately fractured at 35-45CA with epidote infilling. Carbonatite-related fractures crosscut epidote fractures at 20-25CA and also use them as conduits. Mineralized by traces to 0.5% Py. The lower contact is distinct, at 55-60CA, fenitized.	
D-92-34A-1	442.5	443.8	Sédiments non divisé; Altéré	S; AE	Fine-grained sediments, patchy fenitized. Medium to pale greenish grey, fine-grained, rather uniform. Around fractures filled by carbonate and biotite (carbonatite-related), the rock becomes pink to mauve, hematite-stained, fenitized. Variably magnetic (non-magn to mod magn) due to the presence of Mgt in some fractures and as fine disseminated grains. Structure: weak to moderate fracturing at various angles. Locally weakly-developed foliation at 40CA. Late fractures filled by Carb and biotite are irregular, crosscutting the foliation. Mineralization: traces to 0.5% Py medium-grained, fracture-controlled aggregates. The lower contact is somewhat distinct, fenitized, at ~45CA.	57
D-92-34A-1	443.8	446.15	Basalte magnésien; Altéré	V3F; AE	Mafic volcanics, Mg-basalt/Basalt, patchy fenitized. The rock is dark brown, patchy to pervasively biotitized/fenitized. Less fenitized parts are dark to medium grey-green, chloritic and with epidote+carbonate aggregates filling fractures. The matrix is fine to medium-grained, in parts vesicular/amygdaloidal. Magnetism: moderate to strong. Structure: weak to moderate fracturing. 1) older fractures are filled by epidote, carbonate, chlorite. They are oriented at 50-90CA, often fragmented by later fractures; 2) younger tension fractures filled by white carbonate (slightly elevated Sr but no REEs) with crystals grown perpendicular to the fracture walls. Mineralization: traces to 0.5% Py medium-grained aggregates in some fractures, some amygdules. The lower contact is distinct, at 50CA.	45

Survey	From	To	Title	Summary	Description	Angle
D-92-34A-1	446.15	459.03	Sédiments non divisé; Chert; Altéré	S; S10; AE	<p>Fine-grained sediments with laminated chert.</p> <p>The interval is composed of alternating massive, fine-grained sediments (mafic greywacke, mudstone) and laminated chert. The colour is variable, medium grey-green and red-mauve (hematite, patchy fenitization). The contacts between laminated and massive parts are often distinct, not sharp.</p> <p>At 454.25-458.15 m, the green, fine-grained interval resembles chloritized basalt. XRF shows low silica (28%), high Mg (6%) but the way the grains are packed still suggests sediments rather than volcanics.</p> <p>Magnetism: mostly non-magnetic with a few magnetic spots (irregular fine-grained Mgt+Py aggregates).</p> <p>Structure: the laminated parts are typically foliated at 45-55CA. Weak to moderate fracturing with fractures filled by grey silica, carbonate, biotite, chlorite.</p> <p>446.15-447 m - laminated and probably sheared interval with the foliation at 35-50CA.</p> <p>451.3-451.6 m - late fractures at 0-10CA, filled by Qz, Carb, Chl.</p> <p>453.6-454.25 m - well-developed laminations in chert at 50-55CA. Laminations are crosscut with mm displacements by chlorite-filled fractures oriented at 40CA in opposite direction.</p> <p>458.15-458.4 m - well-developed laminations at 50-55CA.</p> <p>Mineralization: traces to 0.5% Py in massive parts; 1-3% Py in laminated parts as fine to med-size disseminated grains and medium-grained aggregates in fractures.</p> <p>No gold grades except one sample at 449.58-451.1 m, which returned 1.58 g/t Au. This interval has one Mgt+Py irregular aggregate and a decimetric laminated interval mineralized by 3-5% Py.</p> <p>EOH</p>	50

D-92-35			UTM coordinates			
Year drilled 1992		Azimuth: 360° Dip: -65° Length: 302.67m		East: 708981.02 North: 5490118.46 Elevation: 305.23m		
Survey	From	To	Title	Summary	Description	Angle
D-92-35	0	89.6	Mort terrain	M-T	Overburden	
D-92-35	89.6	206.7	Basalte; Basalte d'aspect gabbroïque; Fracturé(e)	V3B; V3B (I3A); FA	<p>Deformation Zone.</p> <p>Basalt, massive, medium greenish grey, with moderately pervasively chloritized groundmass and moderate to strong epidote, lesser carbonate and minor red, earthy hematite alteration in fractures. The upper portion of the interval (about 7 m long) is rather gabbroic, medium to fine-grained with finely ophitic or felted textures formed by randomly oriented fine Plg microlites. The rest of the unit is finer-grained with occasional "gabbroic" intervals characterized by speckled epidote alteration. Basalt is variably magnetic - non-magn to weakly to strongly magnetic due to the presence of fine Mgt grains disseminated in the matrix. Minor reddish potassic infiltrations along some fractures.</p> <p>Structure: Deformation zone from ~95.7 to 203.4 m; the rock is strongly fractured, broken to 1-7 cm pieces with RQD=0. The fractures are dominantly oriented at 50-80CA; a few localized epidote-filled fractures run parallel to the core axis. Some fractures and veins have undergone partial dissolution.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size disseminated subhedral grains, in some fractures.</p> <p>Selective spot-sampling, no grades higher than 0.05 g/t Au.</p> <p>148.0-149.0 m - a highly magnetic interval, fine-grained to very fine-grained, medium to dark grey, hard to scratch, with some cherty fragments. Could be interflow sediments. Mineralized by 2-5% Py as very fine disseminated grains and fine to medium-grained, fracture-filling aggregates.</p> <p>186.0-186.5 m and 189-191 m - weak, patchy, dark grey potassic alteration (finitization) with minor reddish K-fsp.</p> <p>Stronger Ep alteration at the bottom of the unit, speckled in the groundmass (saussurituzed Plg) and fracture-filling.</p> <p>The lower contact is rather distinct, foliated at 45-50CA. Near the contact, basalt becomes bleached.</p>	
D-92-35	206.7	213.2	Chert; Sédiments non divisé	S10; S	<p>Chert with a few intervals of fine-grained mudstone and minor basalt with fine leucoxene. Chert is massive and laminated, strongly siliceous, aphanitic, with conchoidal fracturing. Variable in colour: white, grey of various shades, greenish, beige. Laminations are a few mm to dm wide, mostly pale grey to beige-white, sericitic; oriented at 40-55CA. Non-magnetic.</p> <p>The interval is moderately fractured and microfractured. One set of fractures, filled by ChI and Fe-Carb, runs at 10-20CA and sometimes offsets the laminations (1-3 mm displacements). Greyish silica in microfractures.</p> <p>Mineralization: 1 to 5-7% Py fine-grained aggregates in fractures and very fine to medium-size, disseminated cubic grains.</p> <p>The lower contact is distinct but broken.</p>	50

Survey	From	To	Title	Summary	Description	Angle
D-92-35	213.2	234	Basalte magnésien; Pyroxenite; Fracturé(e)	V3F; I4; FA	<p>Deformation Zone.</p> <p>Pyroxenite?/Mg-rich gabbroic basalt?, fine to medium-grained with localized coarse cumulate textures and ophitic textures produced by small Plg grains rimming larger "ghostly" crystals of altered Px or Ol.</p> <p>The rock is medium to dark green, chloritized and possibly serpentized, with moderate to strong yellowish epidote alteration in the matrix and fractures, non-magnetic to weakly-moderately magnetic. Locally minor disseminated fine leucoxene and locally reddish potassic infiltrations (finitization).</p> <p>Structure: the interval is moderately to strongly fractured with fractures being filled by epidote, lesser carbonate and minor earthy, red hematite. Core fragments are mostly cm to several cm in size and just a few intervals (anastomosing blocks?) are more competent, 1-5 dm long. Fractures are irregular, mainly oriented at 50-80CA. Small dissolution cavities are seen on the surface of the core and along fractures.</p> <p>Mineralization: traces to 0.5-1% Py small disseminated grains and fine to medium-grained aggregates in some fractures.</p> <p>217.4-218 m - red patchy secondary K-feldspar in the matrix (potassic finitization). 225.6-225.8 m - laminated chert intercalated with the host rock, pale to medium grey with pink patchy staining, aphanitic, foliated at 35-40CA. Mineralized by 2% Py as fine-grained aggregates in fractures.</p>	
D-92-35	234	251	Basalte magnésien; Pyroxenite	V3F; I4	<p>Continuation of Pyroxenite or Mg-rich gabbroic basalt(?), massive, much less fractured, fine to medium-grained with ophitic and cumulate textures and localized spinifex (at 243.5 m). The rock is medium to dark grey-green, often with a salt-and-pepper appearance produced by randomly oriented whitish Plg crystals in dark green, chloritized/serpentized groundmass. Plg is commonly saussuritized and epidotized. The rock is non-magnetic to weakly and moderately magnetic due to the presence of fine to medium, disseminated, black Mgt grains. Fine Mgt is also present in some Carb veinlets (mm wide, at 30-45CA, pyritized).</p> <p>Structure: Weak fracturing and veining with epidote, carbonate (calcite) and minor reddish hematite infilling. There is a set of mm-cm veinlets filled by Ep, Chl, Carb, which are oriented at 5-15CA and crosscut other fractures and veinlets.</p> <p>Mineralization: traces to 1% Py fine to coarse cubic grains and aggregates in fractures. Traces Cpy in some veinlets.</p> <p>At 233.2-235.15 m - 1-2% Py fine to medium, subhedral to euhedral grains, disseminated and in some Carb veinlets. The interval is magnetic, carbonatized, with minor reddish potassic infiltrations. Assays returned 0.14 g/t Au.</p> <p>From ~251 m, epidote alteration disappears, while carbonate and potassic infiltrations come in. The rock grades into finer-grained, serpentized komatiite.</p>	
D-92-35	251	286	Komatiite	V4A	<p>Ultramafic rock, Serpentinite - Komatiite (?).</p> <p>The upper portion of the interval (about 7-8 m) is patchy finitized and carbonatized, with weak to moderate reddish K-fsp/Hem-Carb infiltrations/mm veinlets and minor disseminated leucoxene. From ~256.5 m, the rock is fine-grained, rather uniform, dark grey-green, pervasively serpentized, moderately soft to scratch, non-magnetic, with minor disseminated leucoxene. Contains 1-2% whitish Carb-dominant mm-cm veinlets.</p> <p>At 275.5-277.0 m - moderate to strong black potassic finitization, 1-2% pink Carb-Qz-Barite mm veinlets with a greenish mineral (which resembles nepheline). This interval is weakly magnetic.</p> <p>Structure: The rock is mostly massive, locally weak foliation at 25-35CA.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size disseminated subhedral to euhedral grains, mainly concentrated in parts with potassic alteration and Carb veining.</p> <p>From ~282 m - increasing fracturing and foliation.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-35	286	291.9	Komatiite; Cisaillé	V4A; CS	<p>Deformation zone.</p> <p>Continuation of the ultramafic rock (komatiite?), still recognizable by serpentinized fine-grained groundmass and disseminated leucoxene but becomes increasingly deformed and overprinted by patchy fenitization and carbonatization. It also becomes increasingly magnetic. Secondary potassic minerals include reddish K-feldspar, brown biotite and black amphibole or/and pyroxene.</p> <p>Structure: weakly to moderately-developed and locally undulating foliation at 5 to 25-30CA.</p> <p>Weak to moderate irregular fracturing with Carb, Chl/Serp infilling. Some Carb veinlets/gashes crosscut the foliation.</p> <p>Mineralization: traces to 1% Py as small disseminated grains and fine-grained aggregates in low-angles fractures and foliation planes.</p> <p>One sample at 286.51-288.04 m gave 0.51 g/t Au (at the beginning of the deformation zone).</p>	
D-92-35	291.9	294.4	Komatiite; Chert; Cisaillé	V4A; S10; CS	<p>Deformation zone.</p> <p>Intercalated komatiite (70%) and chert (30%). Both lithologies are fenitized: komatiite is pervasively biotite-altered and hence dark brown-black, whereas chert has pink-grey colour which is attributed to K-feldspar and hematite alteration. Komatiite is moderately magnetic and chert is non-magnetic.</p> <p>Structure: weakly to moderately-developed foliation at angles ranging from 20 to 40CA which is defined by biotite fabrics in komatiite and biotite-filled fractures in chert. Short, irregular, carbonate-filled mm veinlets/fractures occur mostly in komatiite at 30 to 60CA.</p> <p>Mineralization: 0.5-2% Py fine to coarse cubic grains, mostly disseminated and lesser as aggregates in fractures.</p> <p>From 291.9 to 302.67 m - continuous gold grades ranging from 0.14 to 1.99 g/t Au (over 1.42-1.52 m samples).</p> <p>The lower contact is somewhat distinct, sheared at ~20CA. Mineralized by 3-5% Py small disseminated cubic grains.</p>	
D-92-35	294.4	302.67	Chert; Cisaillé	S10; CS	<p>Deformation zone.</p> <p>Chert, strongly fractured, sheared. It is finely laminated and massive, aphanitic to very fine-grained and exhibits a wide variety of colours - pale to dark grey, white, beige and various shades of pink and red due to potassic alteration (fenitization). Rusty stains cover the exposed core surfaces.</p> <p>Structure: laminations are mm to a few cm wide, mostly light-colored, sericitic. The angles of laminations range from 27 to 50CA. Chert is strongly fractured and microfractured, in parts sheared with foliation developed at low angles (10-25CA). Irregular fractures are filled by Fe-carbonate, biotite, silica. Some fractures have bleached alteration halos. One distinct set of rusty-colored mm veinlets, which crosscut the laminations, is oriented at 45-55CA.</p> <p>Mineralization: 2 to 5% Py very fine to med-size grains, disseminated and aggregates in fractures.</p> <p>From 291.9 to 302.67 m - continuous gold grades ranging from 0.14 to 1.99 g/t Au (over 1.42-1.52 m samples).</p> <p>EOH</p>	20

D-92-35-1			UTM coordinates			
Year drilled	Azimuth: 360°		East: 708981.02			
1992	Dip: -65°		North: 5490118.46			
	Length: 367.58m		Elevation: 305.23m			
Survey	From	To	Title	Summary	Description	Angle
D-92-35-1	0	289.5	Mort terrain	M-T	Overburden 89.6 m; at 289.5 m wedged from D-92-35	
D-92-35-1	289.5	294.4	Basalte magnésien; Cisailé	V3F; CS	<p>Magnesian Basalt (or could be an ultramafic rock), dark grey to greenish grey, pervasively serpentized and chloritized, with reddish, brown and black patchy fenitization increasing towards the contact with the adjacent chert. The matrix is fine to medium-grained, mod-str magnetic, patchy carbonatized (mod to str), with disseminated specks of leucoxene. Fenitization assemblages include biotite and K-feldspar.</p> <p>This interval is sheared, schistose, with moderately-developed foliation at 10 to 30CA (mainly 20-30). Numerous irregular fractures filled by beige to white Carb. From 289 to 292 m, there is a group of parallel to subparallel fractures which undulate along the core axis at very low angles (0-15CA).</p> <p>Mineralization: traces to 0.5% Py disseminated small cubic grains; from 291 m - 1-2% fine to medium-grained aggregates in some fractures and Carb veinlets parallel to the foliation.</p>	
D-92-35-1	294.4	295.5	Chert; Basalte magnésien; Cisailé	S10; V3F; CS	<p>Sheared, highly altered, pervasively fenitized interval composed of several alternating bands (0.5-3 dm wide) with distinct contacts parallel to shear planes. Chert 70%, Mg-Basalt 30%.</p> <p>One type of rock is dark pink-grey, very fine to aphanitic Chert (50% silica as per XRF), finely-laminated and foliated at 15-30CA, strongly fractured. Hairline to sub-mm fractures are filled by biotite, minor carbonate and minor chlorite. Fractures along the foliation often have pale pink bleached halos. The matrix is strongly siliceous, non-carbonaceous. Chert is weakly magnetic due to very fine Mgt forming chains along the fractures.</p> <p>Another type is likely highly altered Mg-basalt (22-26% silica), black-brown, pervasively biotite-altered, moderately soft, with minor carbonate in fractures, strongly magnetic, schistose, well-foliated at 25-30CA.</p> <p>Mineralization: 1-3% Py fine to med-size cubic grains disseminated and aggregates along the foliation and in some fractures.</p>	30
D-92-35-1	295.5	296.9	Basalte magnésien; Cisailé	V3F; CS	<p>Continuation of highly biotitized Mg-basalt, brown-black, fine-grained, massive, rather uniform, weakly to strongly magnetic (fine disseminated magnetite). Weak to strong patchy carbonate in the matrix and numerous pinkish white Carb short, mm veinlets. Weak foliation/sheared at 20-30CA in the upper portion.</p> <p>Mineralization: 1-2% Py fine to med-size cubic grains, disseminated and in some veinlets. The lower contact is distinct, slightly curved at 5-15CA; mineralized by 5% fine Py.</p>	
D-92-35-1	296.9	309.3	Chert	S10	<p>Chert, finely laminated and massive, aphanitic to very fine-grained, blotchy, variable in colour - white, beige, pale to dark grey and various shades of red (potassic fenitization). The exposed core surface is covered with rusty oxidation patches.</p> <p>The laminations are typically very fine, sub-mm, at angles ranging from 5 to 40CA, locally microfolded. Strong microfracturing throughout the unit and crackle brecciation in some parts. Fractures are mainly filled by Fe-carbonate and silica. A stockwork of 1-3% pinkish and beige Carb-FeCarb-Qz mm veinlets crosscutting the foliation.</p> <p>Chert is mostly non-magnetic, in some parts contains fine Mgt grains which are sometimes partially pyritized.</p> <p>Some sections are slightly coarser, composed of fine-grained clastic sediments. Sometimes they contain coarser Qz grains ("eyes") which were also seen in holes D-92-38, D-92-39, DO-19-262.</p> <p>Mineralization: variably distributed pyrite, traces to 5%, fine disseminated grains, fine to medium-grained aggregates, in some fractures.</p> <p>The lower contact is somewhat distinct, not sharp, at ~15CA, marked by boudinaged Qz-FeCarb veinlets.</p>	10
D-92-35-1	309.3	310.5	Basalte magnésien; Cisailé	V3F; CS	<p>Highly biotitized Mg-basalt, brown-black, fine-grained, weakly to strongly magnetic, sheared with foliation developed at 25-30CA. Numerous rusty-beige FeCarb-Qz mm veinlets running along the foliation and crosscutting it. Fine disseminated beige-colored specks are probably leucoxene.</p> <p>Mineralization: 0.5-1% Py small disseminated grains, in some fractures.</p> <p>The lower contact is somewhat distinct, irregular, deformed, with red patchy fenitization and biotite in fractures.</p>	15

Survey	From	To	Title	Summary	Description	Angle
D-92-35-1	310.5	341	Chert; Sédiments non divisé; Basalte magnésien; Cisaillé	S10; S; V3F; CS	<p>DEFORMATION ZONE, MINERALIZED ZONE</p> <p>There are two distinctly different types of rocks: 1) Chert, and 2) a highly altered rock which is likely Magnesian Basalt.</p> <p>The interval has a very heterogeneous appearance, variable in colour, grain size, strongly fractured and overprinted by potassic fenitization (red, brown, black) and Fe-carbonatization, variably magnetic. It is not always possible to recognize the contacts between different lithologies, some are distinct and some are not.</p> <p>1) Chert is massive, in some parts distinctly laminated, aphanitic, strongly siliceous (35-53% SiO₂ as per XRF), hard, strongly fractured and locally brecciated. It is variably coloured and exhibits various shades of grey, white, beige and pink to red. Typically, there is no carbonate in the matrix but the fractures are commonly filled by FeCarb and Qz. Magnetism is variable, from non-magnetic to moderately magnetic. Magnetite is seen as erratically distributed groups of fine disseminated grains, which sometimes have pyrite cores. Some intervals are fine-grained sediments.</p> <p>2) The rock alternating with chert is fine-grained, dark brown-grey, pervasively biotitized, with reddish patchy K-spr alteration and mod-str patchy carbonatized. It is typically moderately to strongly magnetic. Silica content in this rocks varies from 25 to 30% (as per XRF). At places, there are very fine, disseminated, leucoxene-looking specks, which could point to basalt but it is possible that those are fine sericite. The rock is so highly altered (fenitized) that it is difficult to identify the protolith. Most likely that it is Mg-basalt but mudstone should be considered too.</p> <p>Both lithologies are strongly fractured with irregular fractures mainly filled by Carb, Fe-Carb and Qz. Specular hematite, chlorite, and serpentine occur in fractures on the flanks of the zone near the contacts with the enclosing Mg-basalt/Komatiitic basalt. Late fractures oriented at very low core angles run through the zone (the NE-SW fault?).</p>	
D-92-35-1	341	344	Basalte magnésien; Cisaillé	V3F; CS	<p>DEFORMATION ZONE</p> <p>Magnesian Basalt, dark brown-grey, pervasively biotitized, with reddish patchy K/Hem alteration along low-angle fractures (fenitized). The matrix is fine to medium-grained, non-magnetic to weakly magnetic, moderately soft to scratch, with minor carbonate.</p> <p>Numerous sub-mm to 5 mm wide fractures/syenitic injections run through the interval at 0 to 15CA. Their orientation is subparallel to the weakly-developed foliation, crosscutting shear fabrics. They are mainly filled by reddish beige Carb, Qz, possibly feldspar. These pink veinlets are crosscut by Chl-Carb-filled fractures with mm offsets.</p> <p>Mineralization: traces to 0.5-1% Py fine grains in some fractures/injections, minor disseminated.</p> <p>From ~344 m, the rock becomes strongly magnetic. Small subround bluish grey grains appear in the matrix, as well as fine to medium-grained mm-cm Py stringers along the fractures at 30-40CA.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-35-1	344	352	Basalte magnésien; Sédiments non divisé; Carbonatite; Cisailé	V3F; S; I4Q; CS	<p>DEFORMATION ZONE, MINERALIZED ZONE</p> <p>Magnesian Basalt, fine-grained, pervasively biotitized, dark brown-grey with reddish patches, mod-str magnetic. It contains small bluish grey grains or fragments of feldspar or quartz. The rock is strongly sheared, fractured, with weakly to well-developed foliation at angles ranging from 15 to 45CA. Irregular and planar fractures are mainly filled by pinkish and beige assemblages of Carb, Qz, Fsp.</p> <p>345.35-345.5 m, there is a strongly fractured interval which resembles fenitized chert. Mineralization: 0.5-1% Py fine diss grains.</p> <p>346.20-346.85 m - an intensely sheared, mylonitic interval composed of small (sub-mm to cm) angular fragments of reddish Fsp and probably bluish grey Qz) surrounded by fine-grained, pervasively Fe-carbonatized matrix. This interval stands out by its rusty oxidation stains on the exposed surface. The foliation angles decrease downhole from 35 to 17CA. At the bottom of this interval, there is a 4 cm wide pinkish white carbonatite vein injected parallel to the foliation. Carbonatite is mineralized by 5-7% Py aggregates replacing magnetite in fractures. The mylonitic portion contains 0.5-1% fine disseminated Py. This interval (345.95-347.47 m) assayed 2.13 g/t Au.</p> <p>349.3-349.8 m - several irregular greyish Carb veinlets with fine Mgt grains.</p> <p>From ~350 m, the intensity of K-alteration starts to decrease, less biotite in the matrix; very fine disseminated leucoxene appears in the core. The rock stays mod-str magnetic, strongly fractured with Carb and Chl in fractures and numerous small dissolution cavities. There are some pinkish white carbonatite mm-cm veinlets with slightly elevated REEs (100-300 ppm Ce+/-La) which crosscut other fractures and sheared fabrics. These veinlets are oriented at 25CA, often boudinaged. Mineralization: traces to 1% Py fine to med-size disseminated cubic grains.</p>	
D-92-35-1	352	367.6	Basalte magnésien; Basalte; Cisailé	V3F; V3B; CS	<p>DEFORMATION ZONE</p> <p>Continuation of Magnesian Basalt (grading into Basalt), fine-grained, dark to medium greenish grey, pervasively chloritized and weakly serpentized, moderately to strongly magnetic (fine disseminated magnetite), with fine disseminated leucoxene and speckled epidote alteration in the matrix (saussuritized Plg).</p> <p>The interval is intensely fractured, comminuted, with frequent dissolution cavities along fractures. White Carb/Cal and Ep fill numerous irregular fractures, tension gashes. At ~362 m - a shear zone at 25CA with injected carbonatite veinlets (high REEs). The width of the zone is about 10 cm (broken core).</p> <p>Mineralization: traces to 1% Py disseminated small cubic grains.</p> <p>EOH</p>	

D-92-36			UTM coordinates			
Year drilled	Azimuth: 5°		East: 709025.4			
1992	Dip: -65°		North: 5490190.87			
	Length: 379.78m		Elevation: 303.96m			
Survey	From	To	Title	Summary	Description	Angle
D-92-36	0	107.6	Mort terrain	M-T	Overburden	
D-92-36	107.6	141	Basalte d'aspect gabbroïque	V3B (I3A)	<p>Gabbroic Basalt, medium-grained with ophitic textures formed by randomly oriented Plg laths in chloritized matrix. Plg crystals are yellowish, saussuritized. Distinct Amph grains.</p> <p>The rock is medium grey-green, pervasively chloritized, massive, locally weakly sheared. There are frequent darker grey intervals, which were overprinted by red and black K/Hem alteration (finitization) and carbonatization. While the chloritized rock is mostly non-magnetic, its finitized parts are weakly to strongly magnetic due to the presence of disseminated Mgt.</p> <p>Finitized intervals are present at: 107.6-111.0m, 113-125m, 136-137.5m. They are crosscut by pinkish beige Carb veinlets (no REEs).</p> <p>Mineralization: traces to 1-2% Py fine to coarse disseminated cubic grains, in some fractures and veins. Finitized intervals have slightly higher Py (1-3%). Finitized intervals were spot-sampled without any grades.</p> <p>From ~141m, the grain size decreases. The intensity of epidote alteration also gradually decreases while chloritization and serpentinization of the matrix increase.</p>	
D-92-36	141	155	Basalte	V3B	<p>Continuation of Basalt, finer-grained, without ophitic textures. The rock is medium grey-green, chloritized in the upper portion of the interval and it gradually becomes darker further downhole due to increasing serpentinization (probably basalt is grading into magnesian basalt). It is rather uniform, massive, with disseminated leucoxene and magnetite. Crosscut by 2% Carb-dominant veinlets, mm-cm wide (no REEs).</p> <p>Mineralization: traces to 2% Py small disseminated cubic grains, around some veinlets.</p> <p>As there are gradational changes in grain size and alteration patterns, the lower limit of the unit is marked approximately.</p>	
D-92-36	155	174	Basalte magnésien	V3F	<p>Magnesian Basalt, dark grey-green to black, pervasively serpentinized, soft to scratch, non-magnetic to weakly magnetic. It is fine-grained, massive, uniform. From ~168m, it becomes foliated/sheared at 35-40CA with the intensity increasing downhole. 3-5% pinkish white Carb-dominant mm-cm veinlets are mainly oriented parallel to the foliation. Dissolution cavities along some veins and fractures.</p> <p>Mineralization: traces to 0.5-1% Py small disseminated cubic grains, around veins.</p> <p>From 173.4 to 174m, basalt is strongly sheared at 35-45CA and overprinted by strong pervasive K-alteration (finitization, black and red) and carbonatization. Secondary alteration assemblages include black mica, red K-feldspar, riebeckite, possibly nepheline, specular hematite. The interval is strongly magnetic (diss Mgt). Mineralized by 1-2% Py fine to med-grained aggregates in along veinlets, diss. A sample taken at 173.28-174.16m returned 0.24 g/t Au.</p> <p>The lower contact is distinct, at 45CA.</p>	
D-92-36	174	176.8	Chert	S10	<p>Chert laminated and massive, grey with rusty oxidized patches on the exposed surface and milky-white to grey on fresh breaks. It is aphanitic, strongly siliceous, The interval is foliated (sheared) at 35-45CA, strongly fractured and crosscut by wavy mm Qz-FeCarb veinlets and irregular fractures filled by Carb (with trace REEs).</p> <p>The lower half of the interval is overprinted by K-alteration (finitized) with black mica, specular Hem, pink-red K/Hem, Carb and Mgt.</p> <p>Mineralization: abundant pyrite as fine to medium-grained aggregates in fractures, disseminated cubic grains. Elevated gold grades from 173.28 to 176.84m (average 0.76 g/t Au over 3.56m).</p> <p>The lower contact is distinct, marked by a dm wide fault breccia zone at 35-40CA. The fault is cohesive, matrix-supported. It is composed of mm-cm, subangular, brecciated fragments of highly carbonatized wall-rock (basalt) which are cemented by fine-grained, black, magnetic material enriched in Cr and Ni (XRF data).</p> <p>This interval looks very similar to the chert interval in D-93-03 at 224.6-234m.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-36	176.8	186	Basalte magnésien; Cisaillé	V3F; CS	<p>Magnesian Basalt grading into Basalt, strongly sheared at 35-45CA and strongly altered, fenitized. The intensity of deformation and alteration gradually decreases downhole. The rock is mottled, dark grey, black, reddish, with disseminated beige leucoxene. The potassic alteration assemblages include black mica, possibly other black minerals (Px, Amph), specular Hem, riebeckite, red K-feldspar, and also carbonate and magnetite. Numerous pinkish beige mm-cm Carb-dominant veinlets.</p> <p>Going downhole, the potassic alteration decreases while chloritization and serpentinization increase.</p> <p>Mineralization: 1-3% Py small subhedral grains, disseminated, in fractures, veins, along foliation planes.</p> <p>The lower limit of the unit is approximate.</p>	
D-92-36	186	232.5	Basalte	V3B	<p>Continuation of Basalt, fine to medium-grained, gabbroic, medium grey-green, pervasively chloritized, with saussuritized Plg laths forming ophitic textures. It is mostly massive, strongly fractured, with numerous dissolution cavities in the matrix and along fractures, partially dissolved veins. Some intervals are slightly foliated, sheared at 30-40CA. Moderate epidote alteration in fractures, veins and in the matrix. Weakly to moderately magnetic.</p> <p>There are darker grey intervals without epidote alteration, which are weakly to moderately fenitized, carbonatized and mod-str magnetic. They commonly contain pinkish white Carb-dominant veinlets and reddish potassic infiltrations. These intervals were spot-sampled but no grades were returned.</p> <p>Mineralization: trace to 1-2% Py small to med-size grains, disseminated around some veins.</p> <p>At 232.0-232.5m - a fault zone, foliated at ~35CA, with cohesive brecciated wallrock, Carb-dominant veinlets and numerous dissolution cavities.</p> <p>Further downhole, basalt becomes darker, more serpentinized.</p>	
D-92-36	232.5	328	Basalte magnésien; Basalte	V3F; V3B	<p>Magnesian Basalt, finer-grained and darker than the above basalt. It is dark green to grey-green, pervasively serpentinized and lesser chloritized, non-magnetic to moderately magnetic, crosscut by Ep-bearing veinlets with Carb and Qz. Locally minor pink staining (weak K/Hem infiltrations), minor earthy red hematite in fractures.</p> <p>Some intervals are black, overprinted by weak-moderate K-alteration (fenitization) and strong carbonatization. They typically show stronger magnetism and have no or little (overprinted) epidote alteration.</p> <p>The rock is massive, strongly fractured, locally weakly foliated/sheared at 30-45CA. Like in the unit above, there are frequent dissolution cavities and partially dissolved veins, marking the fault damage zone. From about 261m, the number of cavities and the intensity of fracturing decreases with depth.</p> <p>Mineralization: traces Py, locally 0.5-2% Py small cubic grains.</p> <p>At 281-294m - strongly fractured, comminuted core, missing at least 2 m of core.</p> <p>From ~300m, there are two distinct generations of veins: 1) older epidote-dominant and 2) crosscutting them grey carbonate veins with purplish tinge caused by the presence of fine magnetite and/or hematite. Some of carbonate veinlets have traces of REEs.</p>	
D-92-36	328	336	Basalte magnésien	V3F	<p>MINERALIZED ZONE, DEFORMATION ZONE</p> <p>Continuation of Magnesian Basalt, moderately deformed (brittle-ductile), fractured, in some parts foliated at 45CA. The matrix is slightly bleached, pervasively carbonatized, mod-str magnetic, with patchy reddish K/Hem alteration and rusty Fe-carbonatization. Serpentine is still seen in the matrix. Fine disseminated leucoxene is present at 328 to 331m.</p> <p>Mineralization: trace to 2% Py small disseminated grains, aggregates in some fractures, Carb veinlets.</p> <p>The zone looks similar to other mineralized zones in holes of the 531 zone but less pyritized, less altered. No grades.</p> <p>At 333.35-333.9m - a syenitic dyke with elevated REEs, similar to the dyke seen in D-93-08 at 297.8-304m. The rock is reddish grey, fine-grained, massive, fractured, with chlorite or serpentine in fractures, mostly non-magnetic, with rusty beige carbonate in fractures. Both contacts are distinct, at ~50CA. Mineralized by traces to 0.5% Py small disseminated grains.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-36	336	379.78	Basalte magnésien	V3F	<p>Magnesian Basalt, pervasively serpentized, +/-chloritized, medium to dark greyish green, fine to medium-grained with phantom phenocrysts of altered ferromagnesian minerals (Px, Ol). The matrix is poorly carbonatized in sections with weak to moderate epidote alteration (where epidote occurs in fractures and veinlets). Pinkish white Carb and greyish Carb-Mgt-(Hem) veinlets are likely younger than epidote. Locally very fine leucoxene. Basalt is mostly non-magnetic, locally weakly to moderately magnetic.</p> <p>At 351-359m - there is no epidote alteration. Basalt is weakly to moderately sheared, fractured, moderately carbonatized and cut by 10% pinkish white Carb/Cal-dominant veinlets. There are some pink Carb-rich infiltrations but the matrix is not fenitized. Some dissolution cavities and partially dissolved veins. Non-magnetic to weakly magnetic.</p> <p>From 359 to the end of the hole, the rock is mod-str fractured with Cal and Ep infilling, non-magnetic to weakly magnetic.</p> <p>Mineralization: mostly traces Py, locally 0.5-1%. One sample at 338.63-340.16m gave 0.36g/t Au. EOH</p>	

D-92-37			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709099.61			
1992	Dip: -65°		North: 5490189.98			
	Length: 337.11m		Elevation: 301.18m			
Survey	From	To	Title	Summary	Description	Angle
D-92-37	0	98.15	Mort terrain	M-T	Overburden	
D-92-37	98.15	112.8	Basalte d'aspect gabbroïque	V3B (I3A)	Basalt, fine to medium-grained, gabbroic, dark-colored, brown-grey, overprinted by reddish and black K-alteration (finitization) and carbonatization. It is moderately to strongly magnetic due to the presence of dusty disseminated magnetite. Mostly massive, fractured, locally weakly to moderately foliated/sheared at 40-45CA. Cut by 2-3% pinkish white Carb short veinlets. Mineralization: 1-3% Py small diss cubic grains and aggregates in some fractures. Two samples in fenitized basalt returned slightly elevated grades: 98.15-99.67m - 0.292 g/t Au and 109.73-111.25m - 0.516 g/t Au.	
D-92-37	112.8	132.9	Basalte d'aspect gabbroïque	V3B (I3A)	Continuation of gabbroic Basalt, pervasively chloritized, medium green with yellowish Plg grains in the matrix which were saussuritized (epidotized). This gives the rock a speckled appearance. Epidote is also present in fractures and veinlets along with some calcite. The rock is non-magnetic, locally weakly magnetic. At 117.6-119 m - weak to moderate K-alteration (finitization). Basalt is dark grey, magnetic, with carbonate in the matrix and without epidote. Mineralized by 0.5-1% Py small to coarse cubic grains. At 127-132.9 m - some fractures with earthy red hematite coating are oriented at very low core angles (5-10CA).	
D-92-37	132.9	148	Basalte magnésien	V3F	Continuation of Basalt grading into Magnesian basalt with an increasing proportion of serpentine in the matrix. The rock is massive in the upper portion, fine to medium-grained, dark grey-green, rather soft to scratch, non-magnetic to weakly magnetic. From ~142m, it becomes increasingly foliated/sheared with foliation angles changing from 45 to 30CA. At ~143.5 m - a 3-5 cm wide zone, incohesive, with mm-cm angular fragments of the host rock and pinkish Carb veins and clayish gouge. The margins of the zone are non-parallel, the upper margin at 50CA, the lower - at 25-30CA (assuming that the core is still intact).	
D-92-37	148	154.35	Basalte magnésien; Cisaillé	V3F; CS	Continuation of Magnesian basalt, sheared, with the intensity of deformation increasing downhole. Basalt is pervasively serpentinized and becomes increasingly fenitized with black and red K-alteration assemblages. The stronger fenitization, the stronger carbonatization and magnetism (fine diss magnetite). Increasing intensity of fracturing and Carb veining. Rusty oxidation on the exposed surface. Fine disseminated leucoxene. Mineralization: trace to 1% Py small disseminated cubic grains and aggregates in some fractures. At 153.7 m - a fault zone at ~30CA, 7-10 cm long, lots of dissolution cavities. Two consecutive samples at 149.66-152.7 m gave 0.21 and 0.26 g/t Au over 1.52 m each.	
D-92-37	154.35	156.3	Basalte magnésien; Chert; Cisaillé	V3F; S10; CS	Strongly sheared interval in strongly fenitized, carbonatized and magnetic rock with numerous beige and pink Carb-dominant veinlets. Some veinlets have dusty disseminated magnetite. Some veinlets have elevated REEs (carbonatite-related). The rock has a well-developed foliation at 40-45CA, which resembles laminations in sediments. The matrix is so altered that it is hard to identify the original rock. There are brecciated fragments of still recognizable lithologies: 1) reddish and black fenitized basalt with fine disseminated leucoxene, and 2) small pieces of aphanitic, grey to pinkish grey chert. Mineralization: traces to 1% Py small cubic grains in some fractures, disseminated. Both contacts of the interval are quite distinct, at 40-45CA.	
D-92-37	156.3	165	Basalte magnésien; Cisaillé	V3F; CS	Magnesian basalt, sheared, fine-grained, overprinted by dark brown-grey and reddish K-alteration (finitized) and also mod-str carbonatized and mod-str magnetic (dusty disseminated magnetite). It has fine black mineral/minerals filling the fractures (mica?) and fine disseminated leucoxene. Foliation is weakly to moderately developed at 30 to 50CA (mainly 35-40). Numerous beige carbonate veinlets oriented parallel to the foliation and also crosscutting it. Mineralization: traces to 1% Py fine disseminated grains. The lower contact is distinct, sharp at 25CA.	

Survey	From	To	Title	Summary	Description	Angle
D-92-37	165	166.8	Intrusif intermédiaire	I2	REE-enriched syenitic dyke with distinct contacts. The rock is medium reddish grey, fine to medium-grained, rather uniform, massive, fractured. Some parts are moderately foliated at 30-35CA. Moderate carbonate in the matrix and in fractures. The rock resembles syenite but with a higher amounts of dark ferromagnesian minerals (serpentinized?). It also contains small fragments of black, fenitized enclosing basalt. Mineralization: traces fine disseminated pyrite. The lower contact is distinct but the core is broken.	
D-92-37	166.8	174	Basalte magnésien	V3F	Magnesian basalt with a chaotic appearance, patchy fenitized and strongly fractured; fine to medium-grained. Some parts are medium to dark grey-green, serpentinized +/- chloritized and have wk-mod epidote fracture-filling alteration. But mostly basalt is dark brownish grey to black with red and black K-alteration assemblages. It is moderately to strongly magnetic and patchy carbonatized (wk-mod). Numerous irregular, short fractures filled by carbonate. Locally fine disseminated leucoxene. Mineralization: traces Py.	
D-92-37	174	176	Basalte magnésien; Sédiments non divisé; Cisaillé	V3F; S; CS	A strongly altered and deformed interval with foliated parts which resemble laminated sediments. The intense fenitization and carbonatization make it hard to identify the original rock. The rock is mottled, pale grey, medium grey, olive-grey (sericite?), reddish, strongly magnetic (dusty disseminated magnetite), fine-grained, well-foliated at 30-45CA. Strong fracturing with carbonate infilling. There are some fragments with disseminated leucoxene and minor epidote. Mineralization: traces Py. No grades.	
D-92-37	176	195.2	Basalte; Basalte magnésien	V3B; V3F	Basalt grading into Magnesian basalt, fine to medium-grained, mostly massive, locally weakly foliated at 30-40CA. Medium to dark grey to green-grey, rather hard to scratch, with minor serpentine and chlorite in the matrix. Serpentine increases in the lower half of the interval (from ~180.5m), as well as fracture-filling epidote alteration. Moderately to strongly magnetic (dusty diss magnetite), with minor localized disseminated leucoxene. The interval is moderately to strongly fractured and cut by 2-3% creamy Carb mm-cm irregular veinlets and, from ~180.5 m - Ep-dominant veinlets. Mineralization: traces to 0.5% Py diss grains.	
D-92-37	195.2	196.6	Intrusif intermédiaire	I2	REE-enriched syenitic dyke, medium to dark brown-red, fine-grained to medium-grained, rather uniform, massive, non-magnetic to weakly magnetic, with moderate carbonate in the matrix. Minor fracturing, rare veinlets. Mineralization: traces diss Py. Both contacts are distinct but the core is broken.	
D-92-37	196.6	200.2	Basalte magnésien	V3F	Magnesian basalt, fine-grained, dark grey-green, with serpentine in the matrix but it is not soft, mod-str magnetic (dusty disseminated magnetite), with fine disseminated leucoxene. The interval is moderately fractured with Carb, Ep in fractures and veinlets. Some dissolution cavities are present. Mineralization: traces disseminated small cubic Py grains.	
D-92-37	200.2	201.2	Intrusif intermédiaire	I2	REE-enriched syenitic dyke, medium to dark brown-red, fine-grained to medium-grained, rather uniform, massive, non-magnetic to weakly magnetic, with moderate carbonate in the matrix. Minor fracturing, rare veinlets. Mineralization: traces diss Py. Both contacts are distinct but the core is broken.	
D-92-37	201.2	205.4	Basalte magnésien	V3F	Magnesian basalt, fine-grained, dark grey-green to black green, fine-grained, moderately to strongly magnetic, strongly fractured with Carb and Ep infilling, dissolution cavities. Locally reddish patchy K/Hem alteration (fenitization). Mineralization: traces to 1% Py diss.	
D-92-37	205.4	209.4	Intrusif intermédiaire; Basalte magnésien	I2; V3F	REE-enriched syenitic dyke or dykes (20 cm to 1 m in length) with Magnesian basalt in-between. Syenitic rock is dark brown to brownish grey, fine to medium-grained, weakly magnetic, contains small xenoliths of the host V3F. Mg-basalt is black, very fine-grained, strongly magnetic, hard, strongly fractured and in parts brecciated, with Ep and Carb fracture-filling. Fine disseminated leucoxene. Mineralization: traces Py. All contacts are rather distinct but the core is broken.	

Survey	From	To	Title	Summary	Description	Angle
D-92-37	209.4	337.11	Basalte; Basalte magnésien	V3B; V3F	<p>Basalt, fine-grained to medium-grained (gabbroic), medium grey-green with a speckled appearance caused by epidotized (saussuritized) Plg grains in the matrix, massive, rather hard to scratch. In some parts basalt has a porphyritic appearance caused by dark green phantom grains (altered Ol, Px). The matrix is chloritized and weakly serpentinized, variably magnetic - non-magn to strongly magnetic, with localized disseminated leucoxene.</p> <p>Moderate to strong fracturing and localized brecciation, with fractures filled by Ep and Carb. Epidote-dominant veinlets are crosscut by purplish grey Carb+/-Mgt veinlets (same two generations were observed in D-92-36). Minor red earthy Hem coating on some fractures.</p> <p>At 254.8-257.85 m the rock is darker, with reddish brown and black K/Hem alteration - fenitized and carbonatized, without epidote alteration.</p> <p>307.8-312.8 m - strong fracturing, some fault gouge (spread out in broken core); fractures are at low angles (5-10CA).</p> <p>314.8-316.7 m - weakly to moderately sheared interval with foliation at 25-30CA, Carb veinlets.</p> <p>Mineralization: traces to 0.5-1% Py fine disseminated grains around some fractures and veinlets.</p> <p>EOH</p>	

D-92-38			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709042.31			
1992	Dip: -65°		North: 5490122.91			
	Length: 396.24m		Elevation: 302.7m			
Survey	From	To	Title	Summary	Description	Angle
D-92-38	0	97.54	Mort terrain	M-T	Overburden	
D-92-38	97.54	107	Basalte; Basalte magnésien; Faille	V3B; V3F; FAILLE	DEFORMATION ZONE Basalt to Magnesian basalt, fine-grained, dark greenish grey with chlorite and serpentine in the matrix and reddish fenitized+carbonatized patches; mod-str magnetic. The rock is moderately to strongly fractured with reddish Hem, Carb and minor Ep filling fractures. At 105.5-106.3 m - Carb-filled parallel fractures/mm veinlets at 30-35CA. At 106.8-106.9 m - a fault zone with loose microbrecciated fragments (sub-mm to cm) in clayish gouge. Mineralization: mostly traces of fine disseminated Py, locally 1-2% aggregates in fractures.	
D-92-38	107	127.7	Basalte; Basalte d'aspect gabbroïque; Faille	V3B; V3B (I3A); FAILLE	DEFORMATION ZONE Continuation of Basalt with stronger epidote alteration. Epidotized (saussuritized) Plg grains surrounded by fine chloritized matrix give the rock a speckled appearance. Basalt is fine to medium-grained with gabbroic (ophitic) textures. It is hard, variably magnetic - non-magnetic (typically in strongly epidotized parts) to wk-mod magnetic. Locally very minor brownish fenitization. Moderate to strong fracturing with Ep and Carb infilling. Red earth hematite coating on some fractures. Minor dissolution along fractures. Mineralization: traces to 1-2% Py fine to med-size cubic grains, disseminated, in some fractures. 127.2-127.7 m - near the lower contact basalt becomes slight bleached, pervasively carbonatized, non-magnetic, mineralized by 2-3% Py small diss grains. The lower contact is distinct, at 45-50CA.	
D-92-38	127.7	128.5	Chert; Sédiments non divisé; Cisaillé	S10; S; CS	DEFORMATION ZONE Well-foliated sediments with whitish chert laminations, mottled olive, beige, pale grey, sericitic and siliceous, non-carbonaceous, non-magnetic. The foliation (laminations and shear fabrics) is moderately to well-developed at 40-50CA. There is a fault zone at the beginning of the interval (127.7-127.9 m) with strong fracturing and brecciation. Loose kaolinized microbrecciated fragments are spread over 25 cm but the fault is probably about 10-15 cm wide. Mineralization: 1-2% Py fine disseminated grains and fine-grained aggregates in some fractures and foliation planes, minor blebby Py. The lower contact is distinct, at ~25CA (broken core).	45
D-92-38	128.5	130.8	Basalte	V3B	Basalt, fine-grained, medium greenish grey, pervasively chloritized, carbonatized and non-magnetic (similar to the other contact with seds at 127.2-127.7 m). A few occasional Carb-dominant mm veinlets. Weak to moderate fracturing. Mineralization: 1-2% Py very fine to med-size disseminated subhedral to euhedral grains. The lower contact is rather distinct but the core is broken. Rusty oxidation patches on the exposed core surface near the contact.	25
D-92-38	130.8	131.3	Sédiments non divisé; Basalte; Cisaillé	S; V3B; CS	DEFORMATION ZONE Strongly sheared interval with moderately to well-developed foliation at angles ranging from 40 to 55CA and defined by sericite fabrics. Some parts are brecciated, microfolded. The interval is mottled, olive, grey, beige, greenish grey, non-carbonaceous, moderately hard to moderately soft, non-magnetic. There is minor black material in shear planes, possibly graphite. The protolith is difficult to identify. SiO2 content is low for sediments and slightly high for basalts. It could be a mixture of both. Basalts are commonly carbonatized in sheared areas and since this interval lacks carbonate, it may favour the sedimentary origin. Mineralization: traces to 1% fine Py in some fractures. The lower contact is rather distinct but the core is broken.	
D-92-38	131.3	134.2	Komatiite; Basalte magnésien; Cisaillé	V4A; V3F; CS	DEFORMATION ZONE Sheared Komatiitic basalt. The rock is dark greenish grey to green-black, fine-grained, serpentized, soft, non-magnetic, strongly carbonatized. The interval is strongly sheared at 20-35CA. Brecciated fragments of serpentized rock, 0.5-3 cm in size, are cemented by greyish white carbonate veins which are oriented parallel to the foliation. Very minor epidote in some fractures. Common dissolution cavities along the fractures. Mineralization: 2-5% Py small cubic grains, disseminated and in fractures. No grades. The lower contact is marked approximately (broken core).	

Survey	From	To	Title	Summary	Description	Angle
D-92-38	134.2	136.3	Chert; Sédiments non divisé; Cisaillé	S10; S; CS	<p>DEFORMATION ZONE</p> <p>Fine sediments with laminated and massive chert. The matrix is fine to very fine-grained, medium greenish grey and the laminations are commonly paler, finely sericitic, white to pale grey or greenish and aphanitic. The rock is non-magnetic, very siliceous, hard, with non-carbonaceous matrix. The width of chert laminations varies from a few mm to several cm. Foliation is well-developed at 30CA in the upper portion but it is less-pronounced in the lower parts. The interval is strongly fractured with chlorite and carbonate infilling.</p> <p>Mineralization: 2-5% Py fine disseminated grains and aggregates in fractures.</p> <p>From ~136m, the rock becomes patchy magnetic and has pinkish infiltration halos around Carb-filled fractures.</p>	
D-92-38	136.3	137	Sédiments non divisé; Chert; Cisaillé	S; S10; CS	<p>DEFORMATION ZONE</p> <p>Highly magnetic interval, finely laminated/foliated at 20 to 35CA with recognizable fragments of aphanitic chert. The matrix is very fine-grained, black to greenish black, siliceous, hard, patchy carbonatized (weakly to moderately), may contain some mafic material. Weak pinkish Hem staining occurs along the laminations (trace REEs). Irregular, sub-mm to mm fractures filled by whitish carbonate crosscut the laminations.</p> <p>At 136.6 m - sub-mm to mm microslips filled by serpentine and carbonate offset the mineralized laminations. Microslips are oriented at 20-25CA in opposite direction to the laminations.</p> <p>Mineralization: 10-15% Py fine-grained aggregates along the foliation, lesser disseminated and blebby.</p> <p>From 137 m - beginning of patchy epidote alteration; the matrix becomes chloritized/serpentinized.</p>	
D-92-38	137	189.9	Basalte; Faille	V3B; FAILLE	<p>DEFORMATION ZONE</p> <p>Basalt (in parts magnesian basalt), fine-grained, dark to medium grey-green with moderate patchy, speckled and fracture-filling epidote alteration. The matrix is pervasively chloritized and patchy wk-mod serpentinized, rather hard, non-carbonatized, moderately magnetic. Stronger magnetism in the upper portion (137-139m), which might be a magnesian basalt.</p> <p>The interval is intensely fractured, comminuted to cm-dm size pieces. Fractures are mainly filled by epidote, lesser carbonate and red hematite (or hematite-stained minerals like barite, anhydrite). Locally minor reddish infiltrations (finitization). Common dissolution cavities in the matrix, along fractures and veinlets. Some fractures are planar, oriented at angles ranging from 25 to 85CA.</p> <p>Occasional late pinkish white Carb-dominant veinlets crosscut the older epidote-filled fractures; those are non-deformed and were probably injected after faulting.</p> <p>Mineralization: from 137 to 139m - 3% Py fine-grained aggregates with fine Mgt (sulphidation of magnetite); then traces to 1% Py fine-grained aggregates in some fractures and fine disseminated grains.</p> <p>149.5-150 m - low-angle foliation (25-35CA); 172.0-172.4 m - red Carbonatite injection at 5-7CA, fenitized halo in basalt; 175.5-175.8 m - sheeted greyish carbonate veins at 25-50CA;</p> <p>The lower contact is distinct, at 45CA, marked by dark brown-red fenitization.</p>	
D-92-38	189.9	190.3	Sédiments non divisé; Chert; Basalte magnésien; Cisaillé	S; S10; V3F; CS	<p>DEFORMATION ZONE</p> <p>Laminated rock with chert-looking fragments, foliated at ~25CA. Laminations are cm to several cm wide and vary in colour. Pale olive laminations are fine-grained and contain tiny colorless needles (XRF shows low silica and presence of Cr and Ni). Medium greenish grey laminations are finer-grained and contain chlorite, minor epidote - possibly mafic-derived sediments.</p> <p>Green parts have elongated, pink, aphanitic nodules or fragments which look like chert, 0.5-3 cm in length. XRF shows lower silica than typically found in cherts.</p> <p>Overall, the interval is weakly magnetic, non-carbonaceous. Chert is weakly fractured and the surrounding green matrix is moderately sheared, fractured and have small dissolution cavities.</p> <p>Dark green chlorite, serpentine and epidote in fractures.</p> <p>Mineralization: 0.5-1% Py med-size cubic grains in chert.</p> <p>The lower contact is broken.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-38	190.3	212	Basalte d'aspect gabbroïque; Faille	V3B (I3A); FAILLE	<p>DEFORMATION ZONE</p> <p>Basalt, relatively more competent rock, slightly less fractured and comminuted than the surrounding intervals. The rock is massive, fine to medium-grained with gabbroic textures (ophitic with epidotized Plg laths and phantom phenocrysts of altered Px or/and Ol). The matrix is weakly to moderately chloritized, locally weakly serpentinized, non-carbonatized. The fractures are dominantly filled by epidote and lesser carbonate, minor earthy red hematite; common dissolution cavities along fractures. Moderately magnetic. Locally minor diss leucoxene.</p> <p>200.0-201.0 m - weak reddish K-alteration in the matrix (finitization);</p> <p>Mineralization: traces to 0.5% Py small diss cubic grains, 1% Py in some fractures.</p>	
D-92-38	212	234	Basalte; Basalte magnésien; Faille	V3B; V3F; FAILLE	<p>DEFORMATION ZONE</p> <p>Continuation of gabbroic Basalt grading into more Mg-rich basalt. The rock is darker grey, medium-grained, massive, rather uniform, without or very little epidote in fractures. The dark colour is caused by serpentinization and finitization. The latter becomes more evident from 226 m with patchy to pervasive reddish brown and black potassic alteration.</p> <p>Weak to moderate carbonate in fractures and minor in the matrix; stronger in the finitized interval.</p> <p>Moderate to strong magnetism, locally minor leucoxene.</p> <p>Although the rock looks massive, it is fractured, in some parts quite brittle and locally weakly foliated with chlorite and serpentine shear fabrics.</p> <p>Mineralization: 0.5 to 1% Py small to med-size disseminated cubic grains and aggregates in some fractures and Carb-Qz mm veinlets. Finitized interval has slightly higher amounts of pyrite (1-3% Py).</p> <p>233.6-234 m - a fault zone with incohesive mm-cm fragments of the host rock, 1-2% loose pyrite cubic grains.</p>	
D-92-38	234	256	Basalte magnésien; Komatiite	V3F; V4A	<p>Magnesian Basalt/Komatiitic Basalt, fine-grained, greenish black, pervasively serpentinized +/- chloritized, moderately soft to scratch, massive, uniform. Locally weak reddish K-alteration. Non-magnetic to weakly magnetic. Cut by 1 to 5% beige Carb-dominant veinlets, 0.5-3 cm wide.</p> <p>Mineralization: traces Py.</p> <p>One sample at 236.22-237.74 m gave 0.133 g/t over 1.52m, in weakly finitized magnesian basalt, in a footwall of a fault zone (234m)</p> <p>At 241.6-242.6 m - a sheared interval with a 30 cm wide fault zone. The fault contains incohesive brecciated fragments of the host rock and minor gouge. The foliation and the walls of the fault are at 45CA. The hanging wall hosts 5-10% carbonate veinlets injected into foliation planes. The footwall of the fault contains fragmented, boudinaged Qz-Carb veins.</p>	
D-92-38	256	267	Basalte magnésien; Komatiite: Alteré	V3F; V4A; AE	<p>Continuation of Magnesian Basalt but with weak to moderate reddish and black patchy potassic alteration (finitized), patchy carbonatized and mod-str magnetic; pervasively serpentinized.</p> <p>Weakly fractured, crosscut by 1-3% beige Carb and pinkish Carbonatite veinlets, in parts weakly foliated at 30-35CA.</p> <p>Mineralization: 0.5-2% Py smal cubic disseminated grains.</p> <p>Slightly elevated gold grades in this interval ranging from 0.11 to 0.25 g/t Au (starting from 262.43m).</p>	
D-92-38	267	271.85	Chert	S10	<p>Well-laminated chert with white, grey, pinkish laminations, mm to cm wide and oriented at 45-55CA. It is aphanitic, strongly siliceous, non-carbonaceous, in some parts non-laminated, massive and very fine-grained with tiny sericite specks.</p> <p>Numerous sub-mm to 1-2 mm irregular fractures crosscut the laminations, sometimes with mm offsets. They are mostly filled with Qz and lesser Fe-Carb and rare Chl or Serp and they are very distinct on the exposed core surface by having rusty oxidation stains. Some laminations are brecciated.</p> <p>Magnetite occurs as very fine-grained aggregates in lamination planes and as small blebby inclusions. It is commonly seen being replaced by pyrite.</p> <p>Mineralization: 2-3% Py fine-grained aggregates in lamination planes and in some crosscutting fractures, traces to 0.5% fine Cpy.</p> <p>Continuous elevated gold grades ranging from 0.19 to 0.70 g/t Au.</p> <p>The lower contact is distinct, sharp, at 50CA, marked by pink coloration.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-38	271.85	275.7	Basalte magnésien; Carbonatite	V3F; I4Q	<p>Magnesian Basalt, dark greenish grey to brownish black, patchy to pervasively fenitized, fine-grained to medium-grained, hard to scratch, massive, moderately to strongly magnetic, with patchy carbonatized matrix (wk-mod) and minor chlorite and serpentine in the matrix. Locally fine diss leucoxene.</p> <p>Weakly to moderately fractured with fractures filled by carbonate, barite, hematite, chlorite. Slickenside striations on some fracture surfaces. 2-3% irregular, pinkish, Carb-dominant veinlets, some have elevated REEs (carbonatite-related). One set of fractures at 15-20CA.</p> <p>Mineralization: traces to 1-2% Py small cubic grains disseminated around some fractures.</p> <p>Very low grades (one sample gave 0.10 g/t Au).</p> <p>The lower contact is distinct but the core is broken.</p>	50
D-92-38	275.7	276.7	Chert; Carbonatite	S10; I4Q	<p>Reddish pink chert with pinkish and beige-grey carbonatite injections, patchy fenitized, rusty on exposed surfaces, mottled. Contains med-size white and beige Fe-Carb grains and short veinlets rimmed by black mica. Non-magnetic.</p> <p>Mineralization: 2-4% Py fine to med-size disseminated cubic grains and fine to med-grained aggregates in fractures.</p> <p>This interval gave 2.45 g/t Au over 1.04m.</p> <p>The lower contact is somewhat distinct, at ~35CA.</p>	
D-92-38	276.7	279.35	Basalte magnésien; Carbonatite	V3F; I4Q	<p>Intensely fenitized and carbonatized magnesian basalt, fractured and in parts brecciated, cemented by grey Carb+Mgt veinlets. Brecciated fragments are subangular and range from a few mm to several cm in size.</p> <p>Mottled appearance, medium to dark grey to brownish grey with rusty oxidation patches. Fine diss leucoxene is seen in brecciated fragments.</p> <p>Strongly magnetic matrix and veins; at 277.2 m there is an irregular, very fine-grained and highly magnetic black patch - sediments?</p> <p>Mineralization: 0.5 to 3% Py small to med-size cubic diss grains and fine to med-grained aggregates. This interval has no elevated grades.</p> <p>The lower contact is somewhat distinct, irregular.</p>	35
D-92-38	279.35	293	Chert; Sédiments non divisé	S10; S	<p>Chert intercalated with fine clastic sediments.</p> <p>279.4-284 m - chert, mostly massive, in some parts finely laminated at 50-55CA. Variable in colour. The exposed core surfaces are covered with rusty oxidized patches. On fresh breaks chert is pale grey, dark grey, beige, olive and often pink (K/Hem alteration). It is strongly siliceous, aphanitic to very fine-grained; some laminations are more granular (sediments). The matrix is non-carbonaceous/non-carbonatized but there are numerous irregular fractures filled by Fe-carbonate and also pinkish white calcic carbonatite mm veinlets.</p> <p>Mineralization: 0.5-2% fine disseminated Py grains replacing Mgt, fine-grained Py aggregates.</p> <p>284-291.5 m - dominantly sediments intercalated with lesser massive or finely-laminated chert. Sediments are fine-grained, some intervals are more granular, probably sandstone with fine sericitic scales. Sericite fabrics are slightly aligned marking weakly-developed foliation at 50-60CA. Non-magnetic, locally magnetic with fine disseminated Mgt grains. Moderately to strongly fractured with grey, pink and rusty Carb infilling, in some parts brecciated; crosscut by late Qz-Carb irregular, mm-cm veinlets.</p> <p>Mineralization: traces to 0.5-1% Py fine disseminated Py grains replacing Mgt, fine-grained Py aggregates.</p> <p>291.5-293.0 m - fine-grained sediments (?), dark mauve with grey-green patches, pervasively fenitized, mod-str magnetic, weak to mod Carb in fractures and patchy in the matrix.</p> <p>Mineralization: traces to 1% Py medium to fine-grained aggregates in fractures filled by Serp and Carb. No gold grades in this portion.</p> <p>This sedimentary interval has slightly elevated gold grades ranging from 0.10 to 0.54 g/t Au, mostly in the near-contact parts (seds/mafics).</p> <p>The lower contact is broken but it is rather distinct by the changes in colour.</p>	
D-92-38	293	303	Basalte magnésien; Komatiite	V3F; V4A	<p>Magnesian Basalt/Komatiitic Basalt, fine to medium-grained, dark brownish black to green-black. The reddish shades are due to patchy, moderate potassic alteration (fenitization).</p> <p>Less fenitized parts are pervasively serpentinized, moderately soft to scratch. Weakly magnetic.</p> <p>The rock is weakly to moderately fractured and sheared with weak foliation at 35-40CA. Cut by 3% pinkish Carb-dominant veinlets, mm-cm wide.</p> <p>Mineralization: trace to 0.5% Py med-size to small, disseminated subhedral grains in fenitized parts; traces in serpentinized.</p> <p>No grades in this interval except the one taken across the lower contact (0.33 g/t Au).</p> <p>The lower contact is broken, marked by distinct changes in colour.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-38	303	305.9	Sédiments non divisé; Chert; Cisaillé	S; S10; CS	<p>DEFORMATION ZONE, MINERALIZED ZONE</p> <p>Intensely fenitized and Fe-carbonatized, sheared and possibly laminated sedimentary rocks.</p> <p>303.0-303.8 m - dark red-brown-black interval which is likely intensely fenitized sediments. The rock is fine-grained, hard, without carbonate in the matrix and minor Carb in fractures; mostly non-magnetic except some highly magnetic spots with fracture-filling fine Mgt. Mgt is also seen in fractures within a boudinaged purplish Qz cm veinlet at 303.3m.</p> <p>The interval is well-foliated at 30-35CA. There are paler pink-red mm-cm laminations which resemble chert beds.</p> <p>Mineralization: traces to 1% Py very fine disseminated grains which are stretched along the foliation, minor Py in fractures.</p> <p>303.8-304.4 m - a slightly coarser interval, highly fenitized, dark brown-black, moderately carbonatized, non-magnetic, with fine biotite in microfractures and foliation planes. The foliation is moderately-developed at 27-35CA. No leucoxene present to rule out the mafics.</p> <p>Mineralization: 3-5% Py fine to med-size disseminated cubic grains in the coarser parts.</p> <p>304.4-305.9 m - coarser-grained interval with a distinct rusty colour on the exposed surface, could be sandstone. On fresh breaks the rock is pale grey to beige. The matrix is fine-grained, pervasively Fe-carbonatized, rather hard to scratch; contains subangular to subround mm grains of Qz and numerous piercing irregular, short Qz veinlets. It is strongly magnetic due to the presence of fine-grained Mgt in fractures. Weak patchy pink fenitization.</p> <p>The foliation is moderately to well-developed at 27-35CA.</p> <p>Mineralization: 1-2% Py fine to med-size disseminated cubic grains, in some fractures.</p> <p>This sedimentary interval has the highest gold grades: from 303.79 to 305.84 m two intervals assayed 6.06 and 8.64 g/t Au.</p> <p>The lower contact is arbitrary, overprinted by fenitization.</p>	
D-92-38	305.9	316.5	Basalte magnésien; Komatiite; Cisaillé	V3F; V4A; CS	<p>DEFORMATION ZONE, MINERALIZED ZONE</p> <p>Strongly sheared, fractured and fenitized Magnesian basalt/Komatiitic basalt. The upper portion of the interval is moderately to strongly fenitized, dark reddish black to dark brown, moderately carbonatized (Carb in matrix and fractures), moderately to strongly magnetic, with minor localized leucoxene. Minor dark green chlorite and/or serpentine in fractures.</p> <p>From ~312 m, the intensity of fenitization decreases while chlorite and serpentine increase in fractures and the matrix. The rock becomes dark grey to greenish grey with brownish patches.</p> <p>The intervals is strongly fractured, in parts well-foliated at 25-35CA. At 310 m - strong fracturing at 10-15CA. Numerous irregular, short veinlets/tension gashes crosscut the foliation, probably different generations. Some late pink Carb veinlets have slightly elevated REEs.</p> <p>Mineralization: traces to 1-2% Py fine to med-size disseminated cubic grains and aggregates.</p> <p>Continuous elevated gold grades in this interval ranging from 0.18 to 1.25 g/t Au.</p> <p>The lower contact is arbitrary, gradational.</p>	
D-92-38	316.5	335	Basalte	V3B	<p>Continuation of Basalt with epidote alteration in fractures and speckled in the matrix.</p> <p>Basalt is fine-grained to medium-grained, medium to dark greenish grey, pervasively chloritized, carbonatized and mod-str magnetic, with fine disseminated leucoxene. Strongly fractured with epidote and carbonate infilling. Minor red earthy hematite in some fractures.</p> <p>Strongly fractured from 316.5 to 319 m, more competent intervals from 319 to ~335 m.</p> <p>At 332-334 m - dark grey to black interval with elevated K (wk-mod fenitization), carbonatized and mod-str magnetic; without epidote. 1-2% Py med-coarse diss cubic grains. No grades.</p> <p>Mineralization: traces Py, locally 0.5-1% Py.</p> <p>From 335 m - increasing intensity of fracturing.</p>	
D-92-38	335	365	Basalte; Faille	V3B; FAILLE	<p>DEFORMATION ZONE</p> <p>Continuation of Basalt, dark grey-green to black, pervasively chloritized, fine-grained, with epidote alteration in fractures and speckled in the matrix. The rock is rather hard, moderately to strongly magnetic, with localized fine disseminated leucoxene. White to pinkish white Carb in fractures and mm-cm veinlets, wk-mod patchy Carb in the matrix.</p> <p>The interval is strongly fractured, locally brecciated and cemented by Carb veinlets; frequent dissolution cavities in the matrix and along fractures and veinlets.</p> <p>Mineralization: mostly traces Py.</p> <p>From ~365 m the intensity of epidote alteration decreases.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-38	365	385	Basalte; Basalte Magnésien; Cisaillé	V3B; V3F; CS	<p>DEFORMATION ZONE</p> <p>Continuation of Basalt (or Mg-basalt), fenitized, without or very little epidote alteration and darker in colour than epidotized basalt. The rock is dark grey to black and greenish grey, with variably chloritized and serpentinized matrix. In some parts it is dark brown-grey due to patchy fenitization (biotite, black ferromagnesian minerals, reddish K-spar). There are notable variations in hardness with serpentinized parts being softer but overall the rock is quite hard to scratch. Moderately to strongly magnetic.</p> <p>The interval is sheared, fractured and foliated at angles ranging from 20 to 45CA (commonly 25-35CA). Numerous beige-white Carb-dominant mm-cm veinlets are oriented parallel to the foliation. Carbonate, Qz, barite, minor red hematite in fractures. Common dissolution cavities.</p> <p>Mineralization: 1-2% Py fine disseminated cubic grains, in fractures. No grades. From ~385 m - re-appearance of epidote alteration.</p>	
D-92-38	385	396.2	Basalte; Cisaillé	V3B; CS	<p>DEFORMATION ZONE</p> <p>Continuation of Basalt, fine-grained, medium to dark grey-green, pervasively chloritized, with moderate epidote alteration in fractures, mod-str magnetic, with fine disseminated leucoxene. Frequent pinkish to red-brown patches of K/Hem alteration (fenitization).</p> <p>The interval is strongly fractured and sheared at 30-45CA with older fractures dominantly filled by epidote and younger fractures filled by a pink-red-white mixture of carbonate, gypsum and probably sulphates of Ba and Sr (no REEs). Common dissolution along the fractures.</p> <p>At 390.2-390.6 m - intense fracturing, crackle brecciation. The foliation and main fractures are oriented at 20 to 45CA (commonly 35CA); another set of fractures is at 65-75CA in opposite direction to the first set. Sub-mm to mm fractures are open (not filled). Brecciated fragments are bleached (smectite-gypsum alteration).</p> <p>Mineralization: mostly traces Py. EOH</p>	

D-92-39			UTM coordinates			
Year drilled	Azimuth: 360°		East: 708984.31			
1992	Dip: -65°		North: 5490050.88			
	Length: 455.98m		Elevation: 307.74m			
Survey	From	To	Title	Summary	Description	Angle
D-92-39	0	85.34	Mort terrain	M-T	Overburden	
D-92-39	85.34	153	Basalte d'aspect gabbroïque	V3B (I3A)	Epidotized Basalt, fine-grained to gabbroic, medium grey-green, pervasively chloritized.	
D-92-39	153	167.8	Basalte; Brèche de coulée	V3B; BQ	Basalt, probably the top portion of the lava flow with flow breccia. Has a heterogeneous appearance compared to the basalt interval above. Finer-grained, mottled, paler grey to greenish grey, with frequent pale creamy patches. Occasional small round Qz "eyes" - amygdules?	
D-92-39	167.8	172.5	Chert	S10	Chert horizon in between two mafic flows. Locally laminated. Irregular bluish grey silica sub-mm to a few mm wide veinlets.	
D-92-39	172.5	175	Basalte; Brèche de coulée	V3B; BQ	Basalt with flow breccia, same as at 153-167.8m.	
D-92-39	175	203.9	Basalte d'aspect gabbroïque	V3B (I3A)	Epidotized Basalt, fine-grained to gabbroic, medium grey-green, pervasively chloritized.	
D-92-39	203.9	259.4	Basalte	V3B	Epidotized Basalt, fine-grained, locally gabbroic; pervasively chloritized, variably magnetic (non-magn to wk-mod magn). Moderately to strongly fractured with one set of fractures running at 0-20CA (late faulting). May contain a few chert or very fine-grained sedimentary intervals but it could be some bleached breccia fragments. Mineralization: traces to 3-5% Py fine-grained aggregates in fractures and diss cubic grains. 220-232 m - strong fracturing at 60-70CA, epidote-calcite infilling. 232-235.2 m - competent, massive, less fractured interval. 235.2-259.4 m - strong fracturing at 60-75CA, epidote-calcite infilling. At 246.3-246.4 m - brecciated basalt cemented by carbonate/calcite veins with dissolution cavities. The bottom ~2 m are composed of gabbroic basalt with phantom textures. The lower contact is somewhat distinct, not sharp.	
D-92-39	259.4	266	Chert; Sédiments non divisé	S10; S	Chert, Interflow sediments. Very fine-grained to aphanitic, medium to dark grey, greenish grey, dense, siliceous, hard to scratch, non-carbonaceous, mod-str magnetic due to fine disseminated Mgt. Conchoidal fracturing. Minor mafic intervals are chloritized and contain fine disseminated leucoxene. Minor epidote in fractures. Mineralization: 5-7% Py fine to medium-grained aggregates in fractures and disseminated; traces Cpy. The lower contact is approximate.	
D-92-39	266	293	Basalte; Sédiments non divisé; Chert	V3B; S; S10	Epidotized Basalt intercalated with sediments and minor chert intervals. Basalt and sediments (siliceous mudstone?) are medium grey-green, weakly to moderately chloritized, fine-grained, sometimes difficult to tell apart (silica contents as per XRF are pretty similar, variable Mg, Al, traces Ni). Some intervals have conchoidal fracturing. Moderate to strong patchy and fracture-filling epidote alteration. Variably magnetic (non-magn to mod magn). Chert forms small intervals, 1 to 30 cm wide, and is distinct by greyish colour and aphanitic matrix. Some chert intervals are laminated and possibly sheared. Moderate to strong fracturing with Ep and Carb infilling. Mineralization: 1 to 5% Py fine to med-grained aggregates and diss grains. 278-284 m - sed/minor chert with intermittent foliation, laminations at 45 to 65CA. At ~281-283 m - foliation at 45-50CA. 284-293 m - strong fracturing, frequent intervals of comminuted core, weak to strong magnetism. 288.2-288.5 m - sed/chert laminations at 50-55CA. 288.5-288.8 m - medium grey chert, massive, aphanitic, magnetic, 5-7% Py disseminated cubic grains. 291-293 m - greenish grey fine-grained sediments and chert with intermittently-developed foliation at 45-55CA; strong fracturing, weak patchy pink K/Hem alteration, 3 to 10% Py aggregates in fractures, diss. The lower contact is approximate (broken core), likely gradational.	

Survey	From	To	Title	Summary	Description	Angle
D-92-39	293	302.8	Basalte magnésien	V3F	Magnesian Basalt, dark grey, fine-grained, patchy serpentinized, carbonatized, with minor epidote in fractures and weak reddish K/Hem patchy alteration; moderately magnetic. From ~297.5m, the intensity of red and black potassic alteration (finitization) increases and the rock becomes darker. Minor pink carbonatite injections. Minor epidote in fractures.	
D-92-39	302.8	350.7	Basalte magnésien; Cisailé	V3F; CS	<p>SHEAR ZONE, MINERALIZED ZONE with pyrite and significant gold grades.</p> <p>Continuation of Magnesian Basalt, fine to medium-grained, moderately to strongly altered, fenitized, Fe-carbonatized, mottled with red, grey, green and black patches. Variably magnetic - weakly to strongly magn, locally non-magn.</p> <p>302.8-308 m - Mg-basalt with dark red patchy K/Hem alteration. Remnant patchy Chl/Serp in the matrix in in fractures. Fine disseminated leucoxene. Moderate irregular fracturing with beige and pinkish white Carb (trace REEs). Locally weakly-developed foliation marked by stretched Lx grains. At 306.3-306.6 m - strong shearing at 30CA and strong pervasive Fe-Carb alteration. At 307.5 m - a narrow, 1 cm wide, shear zone at 40CA crosscutting earlier fractures with drag fabrics.</p> <p>308-309.6 m - from 308 m, increasing bleaching and Fe-carbonate alteration in basalt along with gradually decreasing reddish K-spar/Hem alteration. Minor diss leucoxene. At 309.1-309.6 m - fine-grained, pinkish grey Carbonatite with 2% very fine disseminated Py. The contacts are distinct, at 45CA. Weakly magnetic compared to the strongly magnetic surrounding rock. The sample at 309.37-310.9 m assayed 12.64 g/t Au. High gold grades from 307.8 to 323.1 m ranging from 2.18 to 12.64 g/t Au.</p> <p>309.6-315.05 m - medium to coarse-grained rock - syenitic injections? - composed of porphyritic, mm-cm grains and aggregates of grains of white Fsp (plagioclase, weakly carbonatized) in finer siliceous matrix. The enclosing matrix is fine-grained, Fe-carbonatized, with fine leucoxene, which is most likely highly altered Mg-basalt. The interval is sheared, foliated at 40-45CA with foliation defined by black streaks (specular Hem, black mica?, minor Mgt). Weak magnetism.</p> <p>315.05-324.7 m - grey-purplish, rather uniform, medium-grained Mg-basalt with a somewhat "milled" texture formed by small angular grains/fragments, patchy Fe-carbonatized, variably magnetic (weak to strong), with specular hematite in the matrix and minor localized leucoxene.</p>	
D-92-39	350.7	366	Komatiite; Cisailé	V4A; CS	<p>Sheared ultramafic rock (komatiite), dark grey to black with numerous buff specks and veinlets oriented parallel to the foliation (no reaction to HCl). Weak or no magnetism. Soft to scratch. Moderately-developed foliation at 50-60CA with the intensity decreasing downhole. Box #50 is missing, so there is a gap from ~351.9 to ~357.8m. The end of #49 and the beginning of #51 boxes contain the same lithological unit. The lower contact is not obvious, could be gradational.</p>	
D-92-39	366	394	Basalte; Carbonatite	V3B; V4Q	<p>Fenitized gabbroic Basalt with carbonatite and syenitic (potassic) injections. A black to dark brownish grey rock. It is rather uniform in appearance, massive, fine-grained, granular. It is likely composed of dark mica, Fsp grains and probably amphiboles or pyroxenes (alkali-rich). Locally, there are intervals with phlogopite flakes in the matrix and in fractures. Weak to no magnetism. Rather hard to scratch. Different parts of the rock resemble basalt, gabbro and syenite but strongly altered, overprinted by potassic alteration (finitization). XRF shows elevated Fe, Mg, K, some Ti and Ca in the matrix. SiO2 concentration suggests mafic to intermediate rock. There are pinkish white coarse to fine-grained calcic-carbonatite veinlets throughout the interval, mm to several cm in width (elevated REEs - Ce and La). Phlogopite flakes were noted in some of these veinlets.</p>	
D-92-39	394	434	Basalte; Carbonatite; Chert	V3B; V4Q; S10	<p>Fenitized gabbroic Basalt with carbonatite and syenitic (potassic) injections; intercalated with two chert horizons. Same black rock as above, intercalated with several (3-4) intervals of chert. Chert is dark grey to black, locally reddish (Hem), aphanitic to very fine-grained, locally well laminated. Chert is also injected by pink-red carbonatites. Sampled intervals with cherts returned some elevated gold grades ranging from 0.1 to 0.7 g/t Au. 431-432.5m - pervasive dark red Hem/K alteration which give the rock a syenitic appearance. Reddish alteration gradually decreases from 432.5m and fades away around 436m. No distinct contact was observed. The unit seems to grade into common gabbroic basalt.</p>	
D-92-39	434	455.98	Basalte d'aspect gabbroïque	V3B (I3A)	<p>Basalt, fine-grained to gabbroic, medium grey-green, pervasively chloritized, magnetic, Carb-Ep in fractures. EOH</p>	

D-92-39-1			UTM coordinates			
Year drilled	Azimuth: 360°		East: 708984.31			
1992	Dip: -65°		North: 5490050.88			
	Length: 423.67m		Elevation: 307.74m			
Survey	From	To	Title	Summary	Description	Angle
D-92-39-1	0	150.25	Mort terrain	M-T	Overburden 85.34 m; at 150.25 m - wedged from D-92-39	
D-92-39-1	150.25	164.5	Basalte	V3B	Basalt, fine-grained, dark to medium grey-green, chloritized, mostly non-magnetic, with patchy and fracture-filling epidote alteration. From ~155.8m - mottled appearance, pale beige and greenish grey patches, probably flow breccia, numerous irregular fractures and veinlets filled by greyish silica. Mineralization: 1 to 5% Py small disseminated cubic grains and aggregates in fractures.	
D-92-39-1	164.5	172	Chert	S10	Chert intercalated with basalt or/and possible fine sediments. Chert is white to pale grey, greenish grey, mottled, aphanitic, strongly fractured with grey silica and Carb infilling, locally brecciated, often shows distinct laminations. Some parts quite resemble a siliceous interval at 309 m in DO-19-262. Non-magnetic. Mineralization: abundant pyrite in fractures, semi-massive bands, small disseminated cubic grains. Overall, 5-10%. One sample at 169-170m gave 0.10 g/t Au. The lower contact is distinct, planar at 45CA.	
D-92-39-1	172	183	Basalte	V3B (I3A)	Gabbroic basalt with randomly oriented pale grey plagioclase laths in a fine-grained chloritized matrix (ophitic texture). The rock is massive, uniform, medium-grained with minor narrow fine-grained intervals; non-magnetic, with wk-mod patchy and fracture-filling epidote alteration. Mineralization: traces to 1% Py small disseminated euhedral to anhedral grains. At the end of this interval, gabbroic basalt grades into fine-grained basalt.	45
D-92-39-1	183	258	Basalte	V3B	Basalt, fine-grained, dark to medium grey-green, pervasively chloritized, non-magnetic to variably magnetic with localized black, very fine-grained Mgt aggregates in fractures and irregular bands. Weak to strong patchy and fracture-filling epidote alteration. Minor red earthy Hem in fractures. Locally fine leucoxene. Mineralization: variable amounts of Py - traces to 3%, small to medium-size disseminated cubic grains and aggregates in fractures. At 192-199m - sheared basalt with Fe-Carb alteration; assays returned 0.18 to 0.75 g/t Au. At 230.37-232.26m (sample #CX8125) - basalt with distinctly different colour and alteration. It is dark grey, without Chl and Ep, fenitized and carbonatized. 2-3% Py fine disseminated grains and aggregates in fractures. Contains minor greyish beige Carbonate and Carbonatite veins (high REEs, P, Mn, Sr, Ba). Assays returned 0.394 g/t Au (over 1.89 m - ?). At 237.74-239.27m (sample CX8127) - 5.49 g/t Au in comminuted chloritized and epidotized basalt, which typically doesn't have any grades.	
D-92-39-1	258	262	Chert	S10	Chert intercalated with chloritized basalt. Chert is dark to medium grey to greenish grey, locally white and beige (sericite alteration), very fine-grained to aphanitic, massive with conchoidal fractures; some parts are laminated. Minor pinkish brown patches along some fractures (fenitization). Weak to strong magnetism due to fine disseminated Mgt grains. Minor Qz veinlets. Mineralization: 2-5% Py fine to medium-grained cubic grains, disseminated and aggregates in fractures.	
D-92-39-1	262	268.5	Basalte; Basalte magnésien	V3B; V3F	Basalt or Magnesian basalt, fine-grained, massive, dark grey-green, pervasively chloritized, with patchy and fracture-filling epidote alteration. Some intervals are dark grey to brownish grey (fenitized) and contain minor pink carbonate veinlets and syenitic (potassic) injections (with trace or no REEs). Weak to strong magnetism. Locally minor brecciation. Mineralization: traces to 1-2% Py fine-grained aggregates in fractures.	
D-92-39-1	268.5	268.8	Chert	S10	Foliated/laminated chert, very fine-grained and medium-grained laminations, pale to medium grey, yellowish beige with fine disseminated black Mgt grains. Sericite in the matrix, fibres along foliation. Mineralization: 5-8% Py small cubic grains, diss, in fractures and granular laminations.	
D-92-39-1	268.8	272.8	Basalte	V3B	Basalt, fine-grained, massive, dark to medium grey-green, pervasively chloritized, magnetic. Contains 3-5% pink-grey to reddish Qz-Carb veinlets (syenitic injections). The matrix around these veinlets is dark grey, less magnetic to non-magnetic. Mineralization: 1 to 5% Py small to coarse cubic grains, disseminated and aggregates in fractures and veins.	
D-92-39-1	272.8	274.2	Basalte	V3B	Same basalt, with patchy and fracture-filling epidote alteration. Locally disseminated leucoxene. Mineralization: 1-3% Py.	

Survey	From	To	Title	Summary	Description	Angle
D-92-39-1	274.2	275.2	Chert	S10	Chert intercalated with epidotized basalt (or magnesian basalt), laminated at ~65CA, grey to yellowish beige, with sericite in laminations, weakly to moderately magnetic. Minor pink patches. Basalt is dark green, with patchy epidote and diss leucoxene. Mineralization: 10% Py cubic grains in laminations, basalt.	
D-92-39-1	275.2	288.2	Basalte; Basalte magnésien	V3B; V3F	Basalt or Magnesian basalt, fine-grained, massive, dark grey-green to dark grey, fractured, variably magnetic (non-magn to strongly magn). Weak to strong, patchy and fracture-filling epidote alteration; locally disseminated leucoxene. Mineralization: the upper portion of the interval (275.2-279.5m) contains 2 to 7% Py fine to medium-grained aggregates in fractures. From ~279.5m - traces to 1-2% Py, earthy Hem in fractures, stronger Ep. *284.0-284.2m - possibly chert intermixed with basalt, patchy Ep, foliation, 5% Py.	
D-92-39-1	288.2	288.9	Chert	S10	Chert intercalated with basalt/magnesian basalt, medium greenish grey to pale beige, massive and laminated, aphanitic and very fine-grained, with conchoidal fracturing, patchy sericite, variably magnetic. Mineralization: 1 to 5% Py fine to coarse grains, disseminated and aggregates in fractures.	
D-92-39-1	288.9	310.1	Basalte; Basalte magnésien	V3B; V3F	Basalt or Magnesian basalt, fine-grained, massive, dark to medium greenish grey, pervasively chloritized and possibly serpentinized, non-magn to weakly magn. From 288.9 to 295.5m - patchy epidote alteration. From 295.5 to 310.1m - no epidote or trace. 2-5% pinkish Carb+/-Qz veinlets, minor patchy red Hem/K alteration.	
D-92-39-1	310.1	312.2	Chert	S10	Chert, aphanitic, grey, locally yellowish beige, sericitic, massive and finely laminated. At 311.4-311.7m - very fine disseminated Py and fine-grained aggregates in fractures, laminations.	
D-92-39-1	312.2	334	Basalte; Basalte magnésien	V3B; V3F	Basalt or Magnesian basalt, fine to medium-grained, massive, dark grey-green to dark grey, pervasively chloritized, variably magnetic (non-magn to mod magn), with moderate epidote in fractures and speckled in matrix (saussuritization of Plg); disseminated leucoxene. Traces Py to locally 1% disseminated grains. From ~317m, the intensity of epidote alteration decreases. From ~318m, the rock becomes dark brownish grey due to Fe-carbonatization. Strong magnetism (disseminated Mgt grains), disseminated leucoxene, numerous sub-mm to cm fractures and veinlets filled by creamy carbonate. The interval is mineralized by 1-3% Py fine to med-size subhedral to blebby grains. From 330 to 334m, less Fe-Carb, strong foliation/shearing defined by chlorite and stretched leucoxene grains. At 333.4-334 m - foliation at low core angles (10-15CA). No sharp contact.	
D-92-39-1	334	343.7	Basalte; Cisaillé; Altéré	V3B; CS; AE	SHEAR ZONE, MINERALIZED ZONE Reddish syenitic (potassic) injections in basalt/magnesian basalt. The zone is strongly sheared, strongly Fe-carbonated (rusty on the exposed surface). The rock is fine to medium-grained, pale to medium grey on fresh breaks. Foliation is well-developed at 30-40CA being defined by chlorite fabrics, orientation of the injections and stretched specks of leucoxene. Locally, there are fractures gently undulating along the core axis at 0-15CA. Variable magnetism (strong to non-magn) due to the presence of fine disseminated Mgt grains. Mineralization: 0.5-3% Py fine to medium-size diss grains and aggregates in fractures. The lower contact is not sharp, rather gradational, distinct by the decreasing number of rusty syenitic injections and increasing chlorite. At 343.5-343.7 m - well-developed foliation at 30-35CA defined by chlorite fabrics.	35
D-92-39-1	343.7	350	Komatiite; Cisaillé	V4A; CS	SHEAR ZONE Sheared ultramafic volcanics (komatiite, komatiitic basalt?), dark greenish grey to black, pervasively serpentinized, chloritized, soft, with patchy and speckled rusty Fe-carbonate alteration, weakly magnetic to non-magnetic. Foliation is well-developed at angles varying from 60-80CA (upper parts) to 50-40CA (lower); common crenulated fabrics. Minor disseminated leucoxene. The upper portion contains 2-3% white Qz veins with FeCarb rims. Traces Py. The intensity of deformation gradually decreases downhole.	
D-92-39-1	350	367.5	Komatiite; Basalte magnésien	V4A; V3F	Ultramafic volcanics grading into komatiitic basalt and then into gabbroic basalt. Weakly foliated/sheared to massive, greenish black with rusty-brown specks of FeCarb, pervasively serpentinized, chloritized, soft, non-magn to weakly magn. At 361.4-362.8m - olive-beige nodules (similar were seen in D-92-39), a few cm wide, chert-like, with a greasy lustre and tiny black needles (aegirine?). XFR showed high Al, Si and elevated K (nepheline?). The matrix surrounding these nodules is dark grey, granular, fenitized? Towards the next interval, the rock gradually becomes greener, more chloritized, harder and magnetic.	

Survey	From	To	Title	Summary	Description	Angle
D-92-39-1	367.5	375.1	Basalte d'aspect gabbroïque; Basalte magnésien	V3B (I3A); V3F	Basalt or Magnesian basalt with roundish, chloritized phenocrysts of Px (not amygdules!) which give the rock a spotted appearance. The rock is massive, rather uniform, medium grey-green, pervasively chloritized, magnetic, with fine disseminated leucoxene and 2-3% creamy white Carb/Cal mm-cm veinlets. Mineralization: tr-1% Py diss cubic grains, locally aggregates. At 372.2-375.1m - black, fine-grained, massive, hard, dense rock with pinkish and white Carb/Cal veinlets.	
D-92-39-1	375.1	377.6	Chert	S10	Chert, aphanitic to fine-grained (sediments?), grey, greenish grey, locally pink, beige, with rusty patches and fractures; massive, strongly fractured, mostly non-magnetic. Mineralization: abundant pyrite as fine to medium disseminated grains, blebby, aggregates in fractures. Specular hematite in the matrix. Assays returned 2.30 and 2.77 g/t Au (over 1.5m samples). This interval looks similar to 216-234.65m in D-93-03 which was logged as Chert with minor syenitic injections. The lower contact of this unit is marked by a white Qz vein.	
D-92-39-1	377.6	384.4	Basalte magnésien; Basalte	V3F; V3B	At the beginning of this interval (377.6-378.2m), there is a white Qz vein with coarse FeCarb crystals and parallel fractures filled by black Chl or mica and Carb, with 2-3% Py cubic grains. The main rock is probably Magnesian Basalt, black to greenish black, fine to medium-grained, chloritized and serpentized, magnetic, with 2-3% creamy grey and pinkish Carb-dominant veinlets (no or trace REEs). From 381 to 384m - wk-mod epidote in fractures and speckled in the matrix A distinct lower contact with chert.	
D-92-39-1	384.4	389.9	Chert	S10	Chert, mottled, finely laminated, locally massive, aphanitic, intercalated with some mafic/ultramafic volcanics or sediments. Variable in colour: dark grey, pale grey, white, beige, locally pink (K/Hem alt). Traces REEs in carbonate-filled fractures. Rusty limonite in fractures. Mineralization: abundant pyrite as fine to medium disseminated grains, blebby, aggregates in fractures, overall 5%. The lower contact is distinct, sharp at 35-40CA. Pink syenitic (potassic) injections on the contact.	
D-92-39-1	389.9	394.8	Basalte	V3B	Basalt, fine-grained, medium grey-green, chloritized and epidotized, locally dark grey to black (serpentized?), weakly to moderately magnetic. Epidote occurs in fractures and in the matrix. 1-2% white and pinkish Cal-dominant mm veinlets (no REEs). Mineralization: traces to 1% Py in fractures. At 394.5-394.8m - black, non-magnetic interval. The rock is hard, massive, fine-grained. The lower contact is marked by fine to medium-grained Py aggregates (10%).	
D-92-39-1	394.8	396.5	Chert	S10	Chert, finely laminated, medium grey, greenish grey, olive, brownish, aphanitic to very fine-grained, with conchoidal fracturing. It may be intercalated with fine sediments. Overall non-magnetic though there are some fractures filled by fine-grained Mgt. Mineralization: abundant pyrite in fractures, disseminated, 3-7%.	
D-92-39-1	396.5	409	Sédiments non divisé; Chert	S; S10	Fine-grained sedimentary rock (wacke), medium grey-green, fine-grained, hard, rather uniform, massive, locally thinly foliated/bedded, non-magnetic. Fine fibres of Ser, minor Chl and Serp are seen in the matrix. Locally chert with conchoidal fracturing. 1% creamy white Carb-Qz veinlets (no REEs). Mineralization: fine to med-grained Py aggregates concentrated in fractures, also blebby, disseminated, ranging from traces to 10% (overall ~2%). The lower contact is marked by medium-grained Py aggregates.	
D-92-39-1	409	417	Komatiite	V4A	Ultramafic volcanics, dark greenish black, pervasively serpentized, chloritized, soft, non-magnetic, massive to weakly foliated. Weak foliation at 30-50CA is marked by serpentine fabrics and slightly aligned fine leucoxene specks. Minor Ep in fractures and matrix. <1% creamy white Carb veinlets. Traces diss Py. The lower contact is quite distinct by changes in colour.	
D-92-39-1	417	423.67	Sédiments non divisé; Chert	S; S10	Fine-grained sedimentary rock (wacke), medium grey-green, fine-grained, hard, rather uniform, massive, locally thinly foliated/bedded, non-magnetic to weakly magnetic due to fine disseminated Mgt. Fine fibres of Ser, minor Chl and Serp are seen in the matrix. Locally minor finely laminated chert. From 420 m - fenitization, patchy reddish K/Hem-alteration. The colour of the rock varies from medium green-grey to dark grey. Mineralization: traces Py, 1% in some veinlets, injections. EOH	

D-92-40			UTM coordinates			
Year drilled	Azimuth: 360°		East: 708928.76			
1992	Dip: -65°		North: 5489974.07			
	Length: 536.45m		Elevation: 307.04m			
Survey	From	To	Title	Summary	Description	Angle
D-92-40	0	106.68	Mort terrain	M-T	Overburden.	
D-92-40	106.68	149.4	Basalte; Fracturé(e)	V3B; FA	Basalt, medium to dark greenish grey, pervasively chloritized, fine-grained, locally medium-grained with felted, saussuritized plagioclase laths. Weak to moderate fracture-filling and patchy epidote alteration; common fine disseminated leucoxene. Magnetism: variable - non-magnetic to weakly to moderately magnetic. Structure: the interval is strongly fractured, in parts brecciated; locally dissolution cavities along fractures and Carb veinlets. Most fractures are irregular, variably oriented, commonly at high core angles (45-80CA). Less frequent are low-angles fractures and Carb veinlets at 0-15CA, which crosscut the high-angle structures. Fractures are dominantly filled by carbonate (calcitic), epidote and lesser red earthy hematite. 116 m - fractures at 5-10CA with possible fault gouge; 131.8-132.5 m - moderately sheared at 35-40CA; Mineralization: traces to 1% Py small disseminated grains and aggregates. At 125-126 m - 3-5% Py in strongly magnetic basalt. The lower contact is arbitrary, marked at the beginning of potassic alteration.	
D-92-40	149.4	180.41	Basalte; Altéré; Cisailé	V3B; AE; CS	Deformation Zone. Continuation of Basalt, sheared, weakly to strongly patchy fenitized. The rock is mottled grey, green, red, black due to patchy potassic alteration (fenitization). Less fenitized parts are green, chloritized. The matrix is strongly carbonatized (calcitic). Secondary alteration assemblages include K-feldspar, albite, black needle-like mineral/minerals (amphiboles, pyroxenes), possibly biotite, red and specular hematite. Disseminated specks of leucoxene are seen throughout the interval, sometimes stretched along the foliation. Magnetism: variable - non-magnetic to weakly to strongly magnetic due to irregularly distributed disseminated grains and fine-grained aggregates of magnetite. Structure: sheared and fractured, with weakly to well-developed foliation at 0 to 25CA. Fractures and tension gashes filled by carbonate tend to be at high core angles (50-80CA). 157 m - a 3-5 cm fault zone at 0-20CA, broken core with gouge. A few occasional pink Ca-carbonatite veinlets occur at low angles (0-15CA). Mineralization: traces to 2-3% Py fine to med-size disseminated cubic grains and fine to med-grained aggregates in fractures and along low-angle foliation planes. One sample (156.8-157.58 m) gave 2.08 g/t Au; no other grades.	
D-92-40	180.41	185.84	Boîte(s) perdues	CNR	Two missing boxes.	
D-92-40	185.84	235	Basalte; Fracturé(e)	V3B; FA	Deformation Zone. Basalt, strongly fractured throughout, cut by numerous tension gashes. The matrix is fine-grained, medium grey to green-grey, pervasively to patchy chloritized and patchy carbonatized. On the exposed surface, the rock is brownish, buff due to mild iron oxidation. Some parts were overprinted by pink to mauve-red, weak to moderate patchy potassic alteration dominated by K-feldspar. Common fine disseminated leucoxene. Fractures, tension gashes are filled by carbonate (probably ferroan calcite, as it readily reacts with HCl and has buff oxidation stains on the exposed surfaces). Magnetism: variable - weakly to moderately magnetic due to the presence of fine disseminated Mgt grains, in places non-magnetic. Structure: a continuous fault damage zone with strong irregular fracturing, local brecciation. Fractures, tension gashes and carbonate veinlets are variably oriented, generally at 35 to 75CA. Some intervals are sheared at low core angles (15-20CA). Dissolution cavities along fractures and Carb veinlets. At 185.84-190.4 m and 195-196.7 m the core is intensely broken to 1-5 cm pieces (RQD=0). 193-195 m - strong fracturing and brecciation, conjugate fractures at 30 and 50CA (in opposite directions). 201.2-202 m - sheared interval with foliation and Carb veinlets at 20CA; patchy potassic alteration along the fractures. Mineralization: traces to 1% Py fine to med disseminated cubic grains and aggregates in some fractures.	

Survey	From	To	Title	Summary	Description	Angle
D-92-40	235	303	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Deformation zone, Mineralization zone.</p> <p>Continuation of Basalt, sheared, fractured and patchy altered by potassic fenitization and carbonatization.</p> <p>The interval is variable in colour, mottled grey, greenish grey, black, beige and various shades of pink-red. The exposed core surface is patchy brown-buff due to iron oxidation. The matrix is fine-grained in remnant chloritized parts and medium-grained in altered patches of secondary feldspars. Locally fine specks of leucoxene.</p> <p>Magnetism: variable, non-magnetic to weakly to moderately magnetic. Magnetite is present as fine disseminated grains and fine-grained aggregates filling fractures. Some non-magnetic parts contain disseminated hematite pseudomorphs after magnetite and specular hematite in fractures.</p> <p>Structure: strong irregular fracturing, numerous tension gashes filled by carbonate; locally brecciated; some intervals are foliated.</p> <p>238.5-240 m - a sheared interval with foliation developed at 15-20CA.</p> <p>255-261 m - intermittently developed weak to strong foliation at 5-25CA.</p> <p>286.5-293.3 m - strong irregular fracturing, tension gashes at 40-70CA, intermittent weak to moderate foliation at 0 to 25CA.</p> <p>300-301 m - strongly sheared, Fe-carbonatized interval with foliation at 20 to 40CA.</p> <p>301-302.9 m - strong fracturing; a stockwork of irregular sub-mm to mm irregular and planar fractures/veinlets filled by Carb, possibly Albl; generally at 25-40CA.</p> <p>Mineralization: traces to 1% Py, locally 2%, fine to med-size disseminated subhedral to euhedral grains, aggregates.</p> <p>The upper portion of the interval (235-266.7m) has no gold grades. From 266.7 to 292.61 m, there are almost continuous slightly elevated values in the 0.10-1.38 g/t Au range (over 1.5 m samples). The lower portion (292.61-301.75m) has no grades.</p> <p>Higher gold values at 288.04-291.08 m (1.35 and 1.38 g/t Au over 1.5 m samples) correspond to a stronger Fe-carbonate alteration, microbrecciation of the host rock ("milled" interval) and higher concentrations of pyrite (1-4%).</p> <p>The lower contact is approximate (broken core); mineralized by 5-7% fine-grained Py aggregates.</p>	
D-92-40	303	305.9	Chert; Sédiments non divisé; Basalte; Cisailé	S10; S; V3B; CS	<p>Deformation zone, Mineralization zone.</p> <p>Strongly sheared, brecciated chert/sericitic sediments intercalated with carbonatized basalt. The exposed core surface is covered with rusty oxidation stains. On the fresh breaks, the rock is mottled white, beige, grey, locally pinkish patches of K/Hem alteration. The fragments of the original rock are very fine-grained to aphanitic. Fine sericitic fibres within chert fragments suggest that the original chert was finely laminated.</p> <p>At 304-305 m - intervals of strongly sheared, Fe-carbonatized, medium grey, fine-grained basalt. There are missing and misplaced pieces of the core, so it is hard to examine the contacts between the two lithologies.</p> <p>Magnetism: overall, the rock is non-magnetic but there are Py+Mgt aggregates in fractures (probably pyrite replacing magnetite).</p> <p>Structure: the interval is strongly sheared, fractured, brecciated. Chert fragments appear boudinaged, stretched along the foliation at 20CA. Basalt is sheared at 25-30CA.</p> <p>Mineralization: 3 to 7% Py fine-grained aggregates along shear planes, in fractures, fine disseminated grains. Slightly elevated gold grades (0.16-0.31 g/t Au over 1.5 m samples).</p> <p>The lower contact is approximate.</p>	
D-92-40	305.9	323.7	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Deformation zone, Mineralization zone.</p> <p>Basalt, strongly sheared and highly altered.</p> <p>The exposed surface of the core is all covered by rusty iron oxidation. On fresh breaks, basalt is pale to dark grey, locally patchy beige, patchy carbonatized/Fe-carbonatized and probably albitized, fine-grained, often with a microbrecciated appearance.</p> <p>Locally fine specks of leucoxene.</p> <p>Magnetism: variable, weak to strong, due to the presence of Mgt as fine streaks and fine disseminated grains.</p> <p>Structure: the interval is strongly sheared with weakly to moderately-developed foliation at 5 to 30CA (mainly 15-25CA). The matrix often appears microbrecciated, cemented by carbonate. There are occasional coarse-grained, vein- or breccia-like domains composed of white albite and pinkish grey K-feldspar.</p> <p>Mineralization: traces to 2% Py fine disseminated subhedral grains and fine-grained aggregates. Gold grades are continuous within this interval ranging from 0.10 to 0.93 g/t Au (mostly over 1.5 m long samples).</p> <p>The lower contact is sheared, fractured, mineralized by 2-3% fine-grained Py aggregates.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-40	323.7	326.2	Chert; Sédiments non divisé; Basalte; Cisaillé	S10; S; V3B; CS	<p>Deformation zone, Mineralization zone.</p> <p>Strongly sheared, brecciated chert/sericitic sediments, probably intercalated with carbonatized basalt. The interval is similar to 303.0-305.9 m.</p> <p>The exposed core surface is covered by rusty oxidation stains. Chert fragments are quite distinct by their pale grey, white and olive grey colour. Some fragments are aphanitic, finely laminated, sericitic. The groundmass is fine-grained, carbonatized, probably albitized and it is quite difficult to identify the original rock (it could be basalt or fine sediments).</p> <p>Magnetism: mostly non-magnetic; some magnetite (probably remnant) occurs in pyrite bands.</p> <p>Structure: the interval is strongly sheared, brecciated. Chert fragments are microfractured with Fe-carbonate and silica infilling. The foliation is moderately to well-developed at 35CA.</p> <p>Mineralization: 3 to 7% Py fine-grained aggregates in fractures, fine-grained bands parallel to the foliation planes.</p> <p>Gold grades are continuous within this interval, 0.25-0.35 g/t Au (over 1.5 m samples).</p> <p>The lower contact is somewhat distinct, sheared, at 30-35CA.</p>	
D-92-40	326.2	358.5	Basalte; Altéré; Cisaillé	V3B; AE; CS	<p>Deformation zone, Mineralization zone.</p> <p>Basalt, strongly sheared, fractured and altered by carbonatization and fenitization.</p> <p>The exposed surface of the core is all covered by rusty iron oxidation. On fresh breaks, basalt is medium to dark grey, with beige and pinkish patches of Fe-carbonate and potassic alteration.</p> <p>Locally disseminated leucoxene.</p> <p>Magnetism: variable, weak to strong. Intervals with more intense Fe-carbonate are less magnetic to non-magnetic.</p> <p>Structure: strong fracturing, brecciation, tension gashes, intermittent weakly to moderately-developed foliation at 25-35CA. Dissolution cavities along Carb veinlets, fractures. Occasional veinlets composed of coarse white albite, pinkish grey K-spr, Qz?</p> <p>From ~347 m, the foliation angles become subparallel to the core axis (0-10CA).</p> <p>Mineralization: 2-5% Py fine to coarse cubic grains and irregular aggregates in fractures, disseminated grains.</p> <p>There are continuous gold grades through the entire interval, mainly within 0.1-1.0 g/t Au range (over 1.5 m sample length), except a high-grade zone from 342.9 to 347.5 m which gave 2.67 to 22.46 g/t Au. Similarly to the rest of the unit, the high-grade zone is composed of strongly deformed and Fe-carbonatized basalt with potassic injections, contains fine disseminated Mgt and 1-3% Py. Differently from other parts, it has patches of coarse chlorite with rather coarse leucoxene grains. Also, there is a change in foliation angles right past this zone, which may suggest that there is a junction of two fault/shear zones.</p> <p>After the high-grade zone, the intensity of Fe-carbonate and potassic alteration gradually decreases.</p>	35
D-92-40	358.5	400	Basalte; Fracturé(e)	V3B; FA	<p>Continuation of Basalt, chloritized, strongly fractured.</p> <p>Basalt is fine-grained, medium green-grey, chloritized, with widespread fine disseminated leucoxene. Locally weak pink to mauve potassic alteration along fractures; at 363-365 m - moderate potassic alteration. From ~384 m - minor epidote in fractures along with carbonate and weak hematite (remnants of epidote?).</p> <p>Magnetism: from 358.5 to 387 m - mostly non-magnetic except some magnetic intervals (fine Mgt in some Carb veins, in the matrix). From 387 m, the rock becomes moderately magnetic.</p> <p>Structure: strong irregular fracturing, numerous carbonate-dominant tension veins (mm-cm wide, 10-15%, mainly oriented at high core angles 50-80CA), common dissolution cavities along veins, fractures.</p> <p>358.5-359.5 m - moderate to weak foliation at 0-10CA.</p> <p>364-371 m - weak, intermittently-developed foliation, chlorite-filled fractures and Ca-carbonatite cm veinlets at 0-10CA. Carbonate in tension gashes has no REEs, whereas the carbonate veinlets (Ca-carbonatite) oriented parallel to the foliation along the core axis are REE-enriched.</p> <p>376.5-378 m - tension veinlets/gashes, which are mainly oriented at high core angles, are crosscut by carbonate and chlorite-filled fractures oriented at 10-25CA.</p> <p>396-399 m - weak to moderate intermittent foliation with pink Ca-carbonatite cm veinlets, mainly at 20-25CA, some veinlets are at 0-5CA. moderate patchy potassic alteration (fenitization) and carbonatization.</p> <p>399-400 m - moderate fracturing with Chl and Carb infilling, weak foliation at 25-30CA.</p> <p>Mineralization: 0.5 to 2% Py very fine to med-size disseminated cubic grains, aggregates in some fractures; from 391 to 400 m - slightly higher concentrations, 1-3% Py. Locally traces Cpy.</p> <p>The lower contact is strongly sheared at 25-30CA, mineralized by 5-7% Py aggregates.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-40	400	400.5	Chert; Sédiments non divisé; Cisaillé	S10; S; CS	Strongly sheared chert, folded, microfractured, in parts brecciated. The original rock was laminated, sericitic, very fine-grained to aphanitic, white, beige, olive, pale grey. Some laminations are pink (Hem-stained). Some fractures oriented at low core angles and filled by Fe-carbonate crosscut the laminations and folded sericitic fabrics (apparently related to the structures that host carbonatite veinlets above). Magnetism: variable; the matrix is mostly non-magnetic; some fractures contain fine-grained Mgt+Py aggregates. Mineralization: 5-7% Py fine to medium-grained aggregates in fractures. The lower contact is somewhat distinct, deformed, oriented at ~80CA; fenitized and mineralized by 7% Py aggregates. The interval from 397.76 to 403.86 m, composed by sheared, carbonatized and fenitized basalt and sheared chert enclosed by basalt, has elevated gold grades of 0.22-0.48 g/t Au (over 1.5 m samples).	
D-92-40	400.5	437	Basalte; Basalte magnésien; Fracturé(e)	V3B; V3F; FA	Basalt to Magnesian Basalt, strongly fractured, broken, chloritized. Basalt is fine-grained, locally medium-grained, gabbroic, medium to dark greenish grey, in most parts moderately chloritized. 400.5-403 m - the matrix is moderately carbonatized, without epidote. 403-437 m - there is weak to moderate epidote alteration in fractures and the matrix (saussuritization of Plg grains). Earthy red hematite and carbonate in fractures. The matrix becomes darker green, XRF shows increasing levels of magnesium. Magnetism: quite variable; non-magnetic to strongly magnetic. Structure: from 403 to 437 m, basalt is intensely fractured, the core is broken into pieces less than 10 cm in size (RQD=0). Common dissolution cavities along veinlets, fractures. Some fragments show foliation at 15CA, 35-40CA. Mineralization: traces to 1% Py fine disseminated grains, fine-grained aggregates in some fractures and veinlets.	
D-92-40	437	441	Basalte magnésien; Fracturé(e)	V3F; FA	Continuation of Magnesian Basalt, strongly fractured and patchy fenitized; epidote alteration disappears. The rock is dark green to patchy reddish brown due to patchy, weak to moderate potassic alteration. The green matrix is chloritized and serpentinized, fine-grained, slightly coarser in fenitized parts. Magnetism: moderately to strongly magnetic. Structure: the interval is strongly fractured, with numerous dissolution cavities along fractures and tension gashes filled by pinkish beige carbonate. RQD<20. Some fragments show foliation at 10-15CA and 35-40CA. Mineralization: traces to 1% Py fine disseminated grains and fine-grained aggregates in some fractures.	
D-92-40	441	451.5	Basalte magnésien; Sédiments non divisé; Chert; Cisaillé	V3F; S; S10; CS	Continuation of Magnesian Basalt (or Komatiite) intercalated with sedimentary intervals, strongly sheared, strongly Fe-carbonatized and locally patchy fenitized. Sedimentary intervals are 30-50 cm in length. 441-445.4 m - basalt has a mottled appearance, rusty on the exposed surface and dark grey on the relatively fresh side. It is strongly foliated at 35-45CA with shear bands comprised of feldspar and abundant fine-grained aggregates of magnetite+specular hematite; may also contain secondary amphiboles, pyroxenes. Locally leucoxene specks. Moderately to strongly magnetic. Mineralized by 1 to 4% Py fine-grained aggregates in fractures, foliation planes. 445.4-447.3 m - strong potassic alteration (fenitization) along with pervasive Fe-carbonate and sericite alteration in shear planes. The interval is pale to medium beige with pink patches, fine to medium-grained, non-magnetic. It is difficult to identify the original rock, could be basalt or fine sediments. Mineralized by traces to 1% Py fine disseminated grains, locally 2%. 447.3-447.55 m - sheared, laminated chert and fine sediments, foliated at 45CA, sericitic bands in foliation planes. Non-magnetic, with rusty bands. Mineralized by 3% Py fine-grained aggregates in foliation planes.	

Survey	From	To	Title	Summary	Description	Angle
					<p>447.55-449 m - strongly sheared basalt with disseminated leucoxene, rusty, Fe-carbonatized, with specular hematite in foliation planes. Variably magnetic (non-magn to strongly magn). Foliation at 40CA. Mineralized by traces to 1% Py. The lower contact is distinct, at 50CA.</p> <p>449-449.4 m - strongly sheared sediments with chert, finely foliated at 40-45CA, siliceous, sericitic, with rusty stains, mostly non-magnetic except some fractures with Mgt+Py aggregates. Mineralized by 3% Py fine-grained aggregates in foliation planes. The lower contact is distinct, at 45CA.</p> <p>449.4-451 m - strongly sheared basalt with disseminated leucoxene, rusty, Fe-carbonatized, with specular hematite in foliation planes. Moderately to strongly magnetic. Foliation at 40-45CA, fine sericitic fibres along the foliation. Mineralized by traces to 1% Py small grains and fine-grained aggregates in foliation. The lower contact is at 35CA.</p> <p>451-451.5 m - sheared, laminated chert and fine-grained sediments, foliated at 40-45CA, non-magnetic, siliceous, sericitic, with some rusty stains. Mineralized by 3-5% Py fine disseminated grains and fine-grained aggregates in fractures. The lower contact is at 35CA, mineralized by 5-7% Py.</p>	
D-92-40	451.5	455	Komatiite; Altéré; Cisailé	V4A; AE; CS	<p>Strongly sheared ultramafic rock, serpentized, patchy fenitized. Serpentized parts are black-green, fine-grained, soft, contain disseminated leucoxene and are typically non-magnetic or weakly magnetic. Fenitized parts are fine to medium-grained, patchy mauve-red, magnetic. Red alteration commonly propagates along the foliation planes, locally vein-like coarse-grained feldspar assemblages (albite, K-spr), boudinaged quartz. Some parts look like a soap stone.</p> <p>Structure: strongly sheared with well-developed foliation at 35-45CA. Irregular tension gashes are filled by carbonate.</p> <p>Mineralization: traces to 1% Py fine diss grains and fine-grained aggregates in fenitized parts. A sample at 451.1-452.63, which includes the adjacent chert interval above, gave 3.84 g/t Au. The rest of the unit returned 0.19 g/t Au (over 3m). The lower contact is marked at the end of intense shearing and alteration.</p>	
D-92-40	455	494	Komatiite; Pyroxenite	V4A; I4	<p>Ultramafic rock (pyroxenite? komatiite?), pervasively serpentized. The rock is black to greenish black, moderately to strongly pervasively serpentized, fine to medium-grained with sometimes distinct remnants of black pyroxene grains; moderately soft to scratch. The lower portion of the unit (from ~481.5 m) looks slightly finer-grained and greener, possibly grading into magnesian basalt.</p> <p>Magnetism: the upper parts are non-magnetic to weakly magnetic; from ~480 m, the rock is weakly to moderately magnetic.</p> <p>Structure: the rock is rather massive, locally sheared.</p> <p>455-462 m - 3% creamy-white Carb (dolomitic) veins, 0.5-2 cm wide, generally at 40-60CA;</p> <p>471-474 m - low-angle fractures (5-15CA);</p> <p>473.5-477.5 m - sheared interval with weakly to moderately-developed foliation at 10-25CA;</p> <p>484.0-484.1 m - 5 cm wide shear zone with carbonate and weak potassic alteration, foliated at 35-40CA, mineralized by 5% Py;</p> <p>485-492 m - 3% creamy-white Carb (dolomitic) extension veinlets at 0-25CA, often fragmented, boudinaged;</p> <p>492.2-494 m - sheared interval with moderately-developed foliation at 25-35CA; increasing intensity of reddish potassic alteration towards the lower contact.</p> <p>Mineralization: mostly traces Py. The unit was spot-sampled without gold grades. The lower contact is distinct, at ~40CA, mineralized by 5% Py fine-grained aggregates and fenitized (red potassic alteration).</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-40	494	507.25	Chert; Sédiments non divisé	S10; S	<p>Chert intercalated with fine-grained sediments.</p> <p>The interval is variable in colour, mainly medium to dark grey, locally beige (sericitic). Some parts are red, pink due to potassic alteration.</p> <p>Chert is massive, locally laminated with whitish sericitic laminations (<1 cm wide) oriented at 0 to 25CA. Laminations are often crosscut and sometimes offset by fractures at 25-35CA. Sediments are very fine to fine-grained, pale beige-grey to medium grey, with distinct small specks of sericite. Common conchoidal fracturing.</p> <p>Magnetism: variable; sericitic parts tend to be non-magnetic, while dark grey chert and fenitized parts are weakly to strongly magnetic.</p> <p>Structure: common parallel fractures at 25-35CA filled by silica, Fe-Carb.</p> <p>495.5-496 m - white sericitic laminations in chert oriented at 0-5CA, which are crosscut by fractures at 27-30CA.</p> <p>506.25-507.25 m - strongly sheared at 30-40CA, microfractured chert, crackle brecciation. Chert is mauve-red, fenitized. Microfractures are filled with fine black material and Fe-carbonate, possibly albite.</p> <p>Mineralization: variably distributed pyrite as fine disseminated cubic grains, fine-grained aggregates in fractures; concentrations vary from traces to 5%. Locally traces Cpy, sphalerite.</p> <p>Sampling returned intermittent, slightly elevated gold grades ranging from 0.11 to 0.35 g/t Au (over 1.5 m).</p> <p>The lower contact is distinct, irregular, at ~65CA, mineralized by 5% Py.</p>	40
D-92-40	507.25	510.4	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Basalt or Magnesian Basalt, sheared, fenitized and Fe-carbonatized.</p> <p>The rock is fine-grained, dark grey, black, greenish grey, moderately to strongly fenitized, Fe-carbonatized and contains secondary feldspars (K-spr, Alb) and black minerals (amphiboles, pyroxenes, possibly mica). Minor disseminated leucoxene.</p> <p>Magnetism: non-magnetic to patchy magnetic in the upper portion of the unit. From ~508 m, the rock is moderately to strongly magnetic.</p> <p>Structure: moderately to strongly sheared at 30-45CA, fractured and crosscut by numerous creamy Fe-carbonate-dominant veinlets. Veinlets are mm to cm wide, irregular, often boudinaged, crisscrossing, contain angular fragments of pinkish (fenitized) host rock.</p> <p>Mineralization: traces to 2-3% Py fine to medium-grained aggregates, disseminated grains. No gold grades.</p> <p>The lower contact is distinct, at 45CA.</p>	65
D-92-40	510.4	514.4	Chert; Sédiments non divisé	S10; S	<p>Chert intercalated with fine-grained sediments.</p> <p>The interval is mainly medium to dark grey, locally pinkish beige due to potassic/hematite and Fe-carbonate alteration. Aphanitic to very fine-grained, mostly massive, locally has white sericitic fine laminations.</p> <p>Magnetism: weakly to moderately magnetic.</p> <p>Structure: moderate fracturing at 30-45CA.</p> <p>Mineralization: traces to 5% Py as fine disseminated cubic grains and fine to medium-grained irregular aggregates, in fractures.</p> <p>The lower contact is distinct, at 35CA.</p>	45
D-92-40	514.4	527.6	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Basalt or Magnesian Basalt, weakly to moderately sheared, patchy fenitized and Fe-carbonatized.</p> <p>The colour of this unit is quite variable depending on the alteration. Frequent rusty iron oxidation stains on the exposed core surface.</p> <p>514.4-517 m - medium green-grey, fine-grained, weakly chloritized and patchy carbonatized, locally pinkish patches of potassic alteration; non-magnetic, strongly fractured with Fe-carbonate filling fractures. Traces Py.</p> <p>517-517.9 m - sheared and "milled" interval with visible small angular fragments of microbrecciated altered host rock (K-spr, Alb). The surface of the core is strongly oxidized (Fe-carbonate). On fresh breaks, the matrix is pale grey to pinkish patches, fine to medium-grained with sometimes distinct grains of feldspars. Patchy magnetism due to the presence of fine disseminated Mgt grains. Weak to moderate foliation at 35CA. Mineralized by 2-3% Py fine diss grains and fine-grained irregular aggregates. This interval gave 0.13 g/t Au over 1.5 m.</p> <p>517.9-527.6 m - weakly to strongly altered basalt, variable in colour: black, brown and beige in patchy fenitized and Fe-carbonatized parts, greenish grey in less altered, chloritic parts. The interval is moderately to strongly sheared and fractured, with foliation angles ranging from 25 to 40CA. Some parts are microbrecciated and cemented by Fe-carbonate. Chloritic parts are less magnetic, whereas fenitized parts are moderately to strongly magnetic due to fine disseminated Mgt. At 525.4-527.4 m - strong alteration dominated by feldspars (K-spr, Alb) and Fe-carbonate. Mineralized by traces to 1% Py fine-grained aggregates and disseminated grains, locally 2%.</p> <p>The lower contact is marked at the end of intense alteration and deformation.</p>	35

Survey	From	To	Title	Summary	Description	Angle
D-92-40	527.6	536.45	Basalte d'aspect gabbroïque	V3B (I3A)	<p>Basalt, massive, fine-grained with localized ghostly ophitic textures, rather uniform, medium greenish grey with disseminated specks of leucoxene throughout the interval. Weak epidote alteration appears near the end of the hole.</p> <p>Magnetism: moderately magnetic due to small disseminated Mgt grains. At 534 m - very fine-grained Mgt aggregates in fractures.</p> <p>Structure: weak to moderate fracturing and Carb-dominant veining. Occasional extension veinlets at 15-30CA.</p> <p>At 529.5-529.8 m - small shear zone with weak foliation at 40-60CA.</p> <p>Mineralization: traces to 0.5% Py small to med cubic grains, disseminated and in some Carb veinlets.</p> <p>EOH</p>	

D-92-41			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709047.58			
1992	Dip: -63°		North: 5489999.63			
	Length: 495.6m		Elevation: 301.88m			
Survey	From	To	Title	Summary	Description	Angle
D-92-41	0	76.7	Mort terrain	M-T	Overburden	
D-92-41	76.7	118.8	Basalte d'aspect gabbroïque	V3B (I3A)	<p>Gabbroic basalt, medium-grained to fine-grained, composed of epidotized/saussuritized Plg grains in fine chloritized matrix (forming the ophitic texture), medium green with a speckled appearance. Non-magnetic, with disseminated leucoxene, crosscut by 1-2% white and pinkish Cal-dominant veinlets. Traces to 1% Py diss grains and aggregates in some fractures and veinlets.</p> <p>Two intervals (at 93-96m and 109.7-118.8m) are distinctly darker in colour, greenish grey to black, brownish, with reddish patches of K/Hem alteration (wk-mod fenitization). They are massive, fine to medium-grained, patchy chloritized and serpentized, crosscut by white and pinkish Cal-dominant veinlets some of which have elevated REEs (carbonatite-related).</p> <p>These intervals are mineralized by 0.5-3% Py fine to med-grained aggregates in veins and small diss grains. Assays returned some elevated Au grades within these intervals: at 92.96-94.49m - 0.21 g/t Au; at 109.73-111.25m - 0.17 g/t Au; at 114.3-115.82m - 0.71 g/t Au.</p>	
D-92-41	118.8	231	Basalte variolaire	V3B VAR	<p>Variolitic basalt, composed of fine-grained, chloritized matrix and epidotized varioles (mm-cm wide), non-magnetic to wk-mod magnetic. It is crosscut by epidote-filled fractures and 3-7% white pinkish and purplish grey Cal-dominant veinlets (sugary, mm to several cm wide, with fine Mgt). Locally minor reddish infiltrations (K/Hem-alt).</p> <p>Mineralization: traces to 1-3% Py small cubic grains in fractures, veinlets.</p> <p>Like in the previous unit, there are several distinct intervals (1 to 10 m long) characterised by the darker grey to black colour with reddish patches. Lithologically, this is the same variolitic basalt but overprinted by weak to moderate potassic fenitization. The matrix is patchy to pervasively chloritized and serpentized. Purplish grey Cal veinlets with fine Mgt crosscut the intervals. Most veinlets have no REEs but a few carbonatite veinlets are also present.</p> <p>Dark fenitized intervals with K-spar infiltrations were observed at: 153.6-157.2m, 168-176m, and 186-188m; some have elevated gold values: at 167.47-175.0m - 0.12 to 0.57 g/t Au (0.38 g/t over 7.53 m); and at 187.45-188.98m - 0.23 g/t Au.</p>	
D-92-41	231	233.3	Sédiments non divisé; Basalte	S; V3B	<p>Strongly siliceous rock, grey with rusty oxidized patches on the exposed surface and pale grey on fresh breaks. It is fine-grained to aphanitic, probably sedimentary with minor chert-looking intervals and possibly intermixed with basaltic material. There are localized fine oxidized needles which could be Fe-carbonatized amphiboles. Some parts of the unit are finely laminated with fibrous creamy sericite. Non-magnetic, rather hard to scratch, crosscut by 1% Qz-Carb mm tension veinlets.</p> <p>Mineralization: abundant pyrite as fine disseminated grains, fracture-fillings and semi-massive aggregates (5-15%).</p>	
D-92-41	233.3	235.4	Sédiments non divisé; Faille	S; FAILLE	<p>Graphitic rock, very fine-grained, black with pale olive-grey mm-cm inclusions or nodules which often have round, very fine-grained Py concretions in their centers. The nodules are generally oriented along the foliation. The rock is hard, siliceous, foliated (finely laminated and in parts sheared), non-magnetic. The protolith is probably sedimentary.</p> <p>Mineralization: 5-10% Py blebby, disseminated small grains, concretions, fracture-fillings.</p> <p>At 234.8-235.2m - a fault zone with microbrecciation along fractures, foliated at ~45CA.</p> <p>Elevated grades from 233.17 to 245.67m ranging from 0.1 to 0.89 g/t Au (0.39 g/t over 12.5m).</p>	
D-92-41	235.4	239.5	Sédiments non divisé; Basalte	S; V3B	<p>Argillaceous rock (mudstone?) with minor black graphitic intervals. Could be metasomatized basalt or sediments.</p> <p>Very fine to fine-grained, grey to pale greenish grey with rusty patches on the exposed surface, rather soft to scratch, non-magnetic, foliated at 40-55CA.</p> <p>Mineralization: abundant pyrite as fine disseminated grains, semi-massive bands, aggregates, fracture-fillings, blebby inclusions. Carbonate and Qz occur in envelopes around blebby Py.</p> <p>From ~239.5m - increasing Carb in matrix (patchy to pervasive, mod-str). This might indicate basalt or an increasing proportion of mafic component in sediments. There are also fine disseminated specks which are likely leucoxene.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-41	239.5	245	Basalte; Sédiments non divisé	V3B; S	Probably Basalt or Mudstone enriched in mafic components. It resembles the unit above but has the increasing amounts of leucoxene and is pervasively carbonatized. It contains a stockwork of irregular Carb-Qz tension veinlets and also boudinaged white to bluish Qz veinlets and round inclusions of bluish Qz (amygdules??). The matrix is medium grey to greenish grey, fine to medium-grained, mod-str carbonatized and weakly chloritized. Mineralization: variably distributed pyrite as disseminated grains, semi-massive aggregates, blebs, 5 to 10%.	
D-92-41	245	259.8	Basalte	V3B	Fenitized Basalt, fine to medium-grained, massive, medium to dark grey to greenish grey with reddish K/Hem patches, chloritized, moderately to strongly carbonatized, magnetic, with disseminated leucoxene. The dark grey colour and reddish infiltrations are attributed to weak to moderate overprinting potassic alteration/fenitization. Numerous pinkish white-grey Carb+/-Qz mm-cm veinlets. Mineralization: 1-5% Py fine disseminated grains, fine-grained aggregates. From ~259.8m the rock becomes non-magnetic, sheared, Fe-carbonatized.	
D-92-41	259.8	268.9	Basalte; Cisaillé	V3B; CS	Continuation of Fenitized Basalt but moderately to strongly sheared with foliation developed at low angles (10-20CA). Rusty brown on the exposed surfaces, medium grey with reddish pink patchy injections on fresh breaks. The matrix is patchy to pervasively Fe-carbonatized, with disseminated leucoxene, mostly non-magnetic except some magnetic spots. Fine dark mica (biotite?) and specular hematite are present in shear planes, matrix and fractures. Minor bluish riebeckite. 2-3% creamy and pinkish Carb and Qz-Carb mm veinlets, fragmented, irregular (no REEs). Mineralization: 1-3% Py small diss grains, fine-grained aggregates, fracture-fillings.	
D-92-41	268.9	283.6	Basalte	V3B	Continuation of Fenitized Basalt, fine to medium-grained, massive, medium to dark grey to greenish grey with reddish K/Hem patches, weakly chloritized, moderately to strongly carbonatized, wk-mod magnetic, with minor disseminated leucoxene. Fine black mica (biotite?) is present in the matrix and fractures, locally green actinolite (?) in fractures and veinlets. Rare fractures with epidote infilling. 2-3% creamy and pinkish Carb and Qz-Carb mm veinlets, fragmented, irregular (no REEs). Mineralization: 1-2% Py small cubic diss grains, aggregates, fracture-fillings. Elevated gold grades from 274.62 to 282.24m ranging from 0.14 to 1.20 g/t Au (0.39 g/t Au over 8.84m).	
D-92-41	283.6	299.1	Basalte; Cisaillé	V3B; CS	MINERALIZED ZONE Fenitized Basalt, moderately to strongly sheared with foliation developed at low angles (10-25CA). It is rusty brown on the exposed surfaces, medium grey on fresh breaks. The matrix is patchy to pervasively Fe-carbonatized, with disseminated leucoxene and specular hematite in fractures and matrix, variably magnetic (weak to strong). Reddish K/Hem patches/injections. 2-5% creamy and pinkish grey Carb mm-cm veinlets, fragmented, irregular. Some Carb veinlets contain fine Mgt. Late Qz-Carb mm tension veinlets crosscut the foliation. No REEs in Carb veins. At 286.5-289m, basalt is less Fe-carbonatized and appears medium to dark grey to greenish grey, chloritized, weakly fenitized. This interval has relatively lower gold values than the rest of the zone with stronger Fe-Carb and Py. Mineralization: 1 to 5% Py fine disseminated grains, fracture-fillings, fine-grained aggregates, locally up to 10%. Gold grades in the mineralized zone (283.46-312.42m) range from 0.1 to 5.8 g/t (1.63 g/t over 29m).	
D-92-41	299.1	301.5	Basalte; Sédiments non divisé; Cisaillé; Faille	V3B; S; CS; FAILLE	MINERALIZED ZONE, Fault zone 299.1-299.65m - a graphitic fault zone in sheared basalt, foliated at 40-55CA, black with greenish olive nodules which contain very fine-grained Py aggregates. This interval resembles the graphitic fault zone at 234.8-235.2m. Non-magnetic, without carbonate in the matrix, mineralized by 1-3% Py. 299.65-300.35m - probably sheared basalt, grey to greenish grey, very fine-grained, moderately soft, non-magnetic, without carbonate in the matrix, with fine diss leucoxene. Mineralized by 2-3% Py. 300.35-301.5m - strongly sheared basalt (?) with graphitic intervals which contain olive-yellow bands (sericite?), no carbonate. Mineralized by 10-15% fine-grained Py aggregates.	

Survey	From	To	Title	Summary	Description	Angle
D-92-41	301.5	309.3	Basalte; Cisaillé	V3B; CS	MINERALIZED ZONE Basalt, sheared and fractured (brittle-ductile deformation zone) with minor reddish syenitic injections. The rock is dark brown-grey on the exposed surface and medium grey to pale greenish grey on fresh breaks. It is fine-grained, weakly to moderately foliated at angles ranging from 25 to 65CA. The matrix is Fe-carbonatized, weakly chloritized and contains fine leucoxene. Variable magnetism (non-magn to weakly to strongly magnetic). 5% Fe-Carb/Carb mm veinlets with minor Qz, irregular, fragmented. Mineralization: 1-4% Py small disseminated grains, fine-grained aggregates in fractures, shear planes; locally up to 10%.	
D-92-41	309.3	345	Basalte	V3B	Continuation of Basalt, fine-grained, massive, locally weakly foliated/sheared, pervasively chloritized, medium grey-green with minor reddish pink and brownish syenitic injections/infiltrations. Some intervals are darker grey. Fine disseminated leucoxene, variable magnetism (non-magn to wk-str magn). A stockwork of 2-5% white and creamy Carb/Cal-dominant mm-cm veinlets, often fragmented. Mineralization: traces to 1-3% Py fine to med-size diss grains, aggregates in fractures. A few scattered gold grades from 315 to 328 m, typically 0.1-0.2 g/t Au, one sample gave 1.89 g/t over 1.52m.	
D-92-41	345	366	Basalte	V3B	Continuation of Basalt with weak to moderate epidote alteration (fracture-filling and in the matrix). Basalt is pervasively chloritized, medium grey-green with minor occasional reddish pink syenitic injections/infiltrations and fine disseminated leucoxene. The rock is fine to medium-grained, locally gabbroic with the ophitic texture, massive, locally weakly foliated/sheared. Mostly non-magnetic except intervals with reddish injections. 1-3% white and pinkish Carb- and yellowish Ep-dominant veinlets, mm-cm wide, irregular, fragmented. Mineralization: traces to 1-2% Py fine to med-size disseminated grains and aggregates in some fractures and veinlets. At 358.5-361.2m - 2-3% fine Py within a section with syenitic injections. This interval gave slightly elevated grades (average 0.15 g/t Au over 2.86m).	
D-92-41	366	371	Basalte	V3B	Continuation of Basalt without epidote alteration. The rock is medium to dark grey-green with moderate reddish K/Hem alteration, pervasively chloritized, with disseminated beige leucoxene. It is fine to medium-grained, gabbroic, massive, locally weakly foliated/sheared at 30-45CA. Mostly non-magnetic, locally weakly magnetic. Becomes increasingly serpentized downhole. 1-2% white and pinkish white Carb/Cal-dominant veinlets, mm-cm wide, often fragmented. Mineralization: traces disseminated Py. The lower contact is approximate, gradational.	
D-92-41	371	396	Komatiite; Basalte magnésien	V4A; V3F	Komatiitic basalt grading into Magnesian basalt. Dark greenish grey to dark grey, pervasively serpentized and chloritized, soft, with minor reddish K/Hem alteration/injections and rusty-brown speckled alteration typically seen in komatiites. The rock is fine-grained with phantoms of ferromagnesian phenocrysts (pyroxene, olivine); massive, locally weakly foliated/sheared. Variably magnetic (non-magn to wk-str magn). 1-3% pinkish and white Carb/Cal-dominant and Qz-Carb tension veinlets, mm to 1-2 cm wide (no REEs). Mineralization: traces to 0.5-1% fine Py diss and in some fractures and veinlets. From 394.5m - the rock becomes dark brownish grey due to moderate potassic fenitization.	
D-92-41	396	400.9	Sédiments non divisé; Chert	S; S10	Fine- to very fine-grained sedimentary rock with whitish and pinkish chert laminations, mottled dark grey, red, pink, brown due to K/Hem alteration (potassic fenitization). Specular Hem in fractures, laminations. Very siliceous, hard, non-magnetic with some strongly magnetic spots. No carbonate in the matrix, very minor Carb in fractures. Low REEs in pink-colored injections. Mineralization: irregularly distributed Py ranging from 1 to 10% as fine to coarse disseminated cubic grains, aggregates.	
D-92-41	400.9	402.5	Basalte magnésien; Carbonatite	V3F; V4Q	Fenitized Magnesian basalt, black to dark greenish grey, fine-grained, massive, magnetic, moderately hard, with reddish K/Hem injections. Crosscut by 3-5% pink coarse-grained calcic carbonatite veinlets, mm to 1-2 cm wide. Mineralization: 0.5-2% Py fine to coarse disseminated cubic grains and aggregates in some fractures.	
D-92-41	402.5	406.6	Basalte magnésien	V3F	Continuation of Magnesian basalt. The rock is dark greenish grey, pervasively chloritized, serpentized and carbonatized, with weak to moderate reddish K/Hem alteration in the matrix. It is fine to medium-grained with phantoms of ferromagnesian phenocrysts. Non-magnetic to weakly magnetic. Crosscut by <1% whitish Carb/Cal veinlets without REEs. Mineralization: 0.5-1% Py small to med-size subhedral disseminated grains.	

Survey	From	To	Title	Summary	Description	Angle
D-92-41	406.6	408.6	Sédiments non divisé; Chert	S; S10	Very fine-grained sedimentary rock with a few mm-cm broken fragments of chert laminations in the upper portion of the unit. The rock is mottled dark grey to greenish grey and red, mauve and brown due to K/Hem alteration (potassic fenitization). It is very siliceous, hard to scratch, mod-str magnetic, with wk-mod chlorite in fractures and matrix. Very minor Carb in fractures and specks in the matrix. Mineralization: 1-2% Py as fine to med-size subhedral to anhedral disseminated grains and aggregates in fractures.	
D-92-41	408.6	411.5	Sédiments non divisé; Chert	S; S10	Continuation of a sedimentary interval but with a higher proportion of bedded chert. Mottled dark grey, red, mauve (mod-str potassic fenitization), siliceous, hard, wk-mod magnetic, with conchoidal fracturing. Chert laminations are mm-cm wide, aphanitic, pale grey to pale pink. Minor chlorite, specular hematite and possibly serpentine in fractures and the matrix. Minor carbonate in fractures with trace REEs. Mineralization: 1-4% Py as fine to med-size subhedral to anhedral disseminated grains and aggregates in fractures.	
D-92-41	411.5	416.2	Basalte	V3B	Basalt, weakly amygdaloidal (a few mm round to oval amygdules with Chl, Carb and Py infilling). The rock is medium grey-green, fine to medium-grained, mod chloritized, carbonatized, wk-mod magnetic. Weak epidote alteration in the matrix and fractures. Minor pinkish K/Hem alteration around Fsp grains in the matrix. Closer to the lower contact, the rock becomes darker, fenitized. Mineralization: traces Py in amygdules, traces fine disseminated grains.	
D-92-41	416.2	417.6	Sédiments non divisé; Basalte	S; V3B	Fine-grained Sedimentary rock, siliceous, medium greenish grey to grey with pink, red and grey laminations, sub-mm to cm wide, at ~45CA, colored by K/Hem alteration (potassic fenitization). Minor chlorite and carbonate in the matrix; variable magnetism (weak to strong). Mineralization: 3-7% Py fine diss grains, lesser aggregates in fractures.	
D-92-41	417.6	419.4	Basalte; Sédiments non divisé	V3B; S	Strongly altered, fenitized basalt which is intercalated with minor fine-grained sedimentary intervals. The rock is more granular than sediments and has stronger carbonate in the matrix. It is black to dark greenish grey, fenitized, cut by 3-5% pink Carb/Cal-dominant veinlets with elevated Sr, Mn and Ba but no REEs. Mod-str magnetic. Mineralization: traces to 1% Py small cubic diss grains.	
D-92-41	419.4	430.7	Basalte	V3B	Basalt, fine to medium-grained, in parts gabbroic and porphyritic with distinct whitish Plg subhedral to anhedral phenocrysts. The matrix is chloritized, carbonatized and possibly serpentinized. It is also variably altered by reddish potassic and yellowish green epidote alteration. Epidote-filled veinlets and fractures cut through the reddish matrix and may thus be overprinting the potassic alteration. The rock is variably magnetic (non-magn to str magn). Mineralization: traces to 1-2% Py small disseminated cubic grains, in fractures.	
D-92-41	430.7	434	Basalte; Cisaillé	V3B; CS	SHEAR ZONE Continuation of porphyritic basalt, strongly deformed (brittle-ductile), with foliation wk-mod developed at 10-30CA. The rock is variably chloritized, epidotized, fenitized (reddish K-spr and black potassic alteration), moderately to strongly magnetic. Carbonate is present in fractures and veinlets, limited in the matrix. Minor specular hematite in the matrix and some fractures. Feldspar phenocrysts vary in colour and shape. Plagioclase crystals are subhedral, yellowish white. Pink phenocrysts are anhedral, pink and likely are secondary K-feldspar. Some grains are double-colored. At 430.7-431.1m - laminated fine-grained sediments. Mineralization: traces to 1-2% Py small disseminated cubic grains. This interval has slightly elevated gold values - 0.17-0.51 g/t Au (average 0.33 g/t over 3.66m).	
D-92-41	434	436.6	Sédiments non divisé; Cisaillé	S; CS	SHEAR ZONE Strongly sheared rock with brecciated chert-looking fragments, mm-cm in size, subangular to subround, pink, grey and white, aphanitic. Strongly siliceous, mottled dark grey, red, with beige Carb in irregular fractures. The rock is moderately to well-foliated at 20-25CA, with minor fibrous sericite. Moderately to strongly magnetic, with some specular Hem in the matrix. The rock is strongly altered and deformed. The protolith could be mafic-derived sedimentary rock with chert laminations. At 436.4-436.6m - black, cm-wide, very fine-grained strongly magnetic bands (Mgt + mud?). Mineralization: traces to 1-2% Py fine to small disseminated cubic grains, 2-3% Py associated with magnetic bands.	

Survey	From	To	Title	Summary	Description	Angle
D-92-41	436.6	495.6	Basalte	V3B	<p>Basalt, fine-grained to medium-grained with phantom phenocrysts of chloritized ferromagnesian minerals (Px, Ol), locally minor yellowish white Plg phenocrysts. The rock is medium to dark grey-green, chloritized, weakly to strongly magnetic.</p> <p>From 436.6 to 465m -wk-mod epidote alteration in fractures and matrix; minor reddish and orange potassic infiltrations, 1-2% pinkish white Carb/Cal veinlets with gypsum or anhydrite.</p> <p>From 465 to 477m - no or very little epidote in some fractures, a stockwork of 3-5% white Cal-dominant mm-cm veinlets.</p> <p>From 477 to 495.6m - weakly to moderately fenitized basalt, darker grey with reddish K/Hem alteration in the matrix, small diss leucoxene; a stockwork of 3-5% pinkish and greyish white veinlets composed of Carb/Cal, gypsum or anhydrite and Qz.</p> <p>Mineralization: traces disseminated Py, 1% Py fine to medium-grained in some fractures and veinlets.</p> <p>EOH</p>	

D-92-44			UTM coordinates			
Azimuth: 360°		East: 708986.53				
Dip: -64°		North: 5489929.21				
Length: 425.5m		Elevation: 305.26m				
Year drilled 1992						
Survey	From	To	Title	Summary	Description	Angle
D-92-44	0	85.35	Mort terrain	M-T	Overburden	
D-92-44	85.35	166.5	Basalte; Coussiné	V3B; CO	<p>Basalt, fine-grained, probably pillowed. The pillow rims are not evident but the rock is rather mottled, heterogeneous in its appearance, which is typical for pillowed mafic flows. Locally epidotized flow breccia.</p> <p>The groundmass is fine-grained, locally weakly porphyritic, medium green-grey, chloritized, with white and yellowish grains of saussuritized and epidotized Plg. Weak to moderate epidotization is widespread as patches and fracture-fillings. Some carbonate is present in fractures and veins but typically not in the matrix. Locally minor disseminated leucoxene. Basalt is variably magnetic ranging from non-magnetic to strongly magnetic due to the presence of Mgt in thin fractures, cm bands and fine-grained patches, and as fine disseminated grains. Minor red, earthy hematite in some fractures.</p> <p>Structure: 104.0-112.5 m - slightly sheared basalt with weakly to moderately-developed foliation at 5-20CA. A rusty, comminuted interval occurs at 106.9-107.0 m - could be a fault zone. 130.3-131.0 m - a network of sub-mm to mm, epidote-filled fractures generally oriented at 15-30CA; crackle microbrecciation . 140.5-155.0 m - moderately fractured basalt; frequent intervals of fragmented core broken along parallel to subparallel fractures at 45-65CA (RQD=0). 155.0-161.5 m - several low-angle fractures (0-10CA) filled by chlorite, carbonated and epidote, crosscut by fractures at 45-50CA with millimetric displacements. 165.4-166.5 m - moderate fracturing at 45-60CA.</p> <p>Mineralization: traces to 1-2% Py fine to med-size, disseminated, cubic grains, irregular fine- to medium-grained aggregates, in some fractures and veinlets.</p> <p>Selective spot-sampling returned no gold grades.</p> <p>The lower contact is arbitrary, likely gradational.</p>	
D-92-44	166.5	186.7	Basalte; Basalte magnésien; Basalte d'aspect gabbroïque	V3B; V3F; V3B (I3A)	<p>Basalt/Magnesian basalt, massive, fine to medium-grained, gabbroic with relict ophitic textures formed by fine grains of Plg rimming larger, "ghostly" grains of altered Px or Ol. Basalt is medium to dark grey-green, locally paler due to saussuritization and epidotization of Plg grains. The matrix is moderately, pervasively chloritized, non-magnetic to locally weakly magnetic. Weak to moderate, patchy and fracture-filling epidote alteration. Locally earthy red hematite on fracture surfaces.</p> <p>Structure: 172.0-174.0 m - several fractures slightly undulating along the core axis, filled by Carb, Ep, red Hem and Chl. 181.4-185.4 m - moderate fracturing; frequent intervals of tightly-spaced parallel to subparallel fractures at 45-65CA with RQD=0.</p> <p>Mineralization: traces to 0.5-1% Py, small disseminated grains, in some fractures.</p> <p>An arbitrary, gradational lower contact.</p>	
D-92-44	186.7	211.6	Basalte; Coussiné	V3B; CO	<p>Basalt, fine-grained, probably pillowed, similar to the unit at 85.35-166.5 m. It is characterized by a mottled, heterogeneous appearance, moderate patchy and fracture-filling epidotization and weak to strong magnetism. Fine disseminated leucoxene.</p> <p>Several intervals are overprinted by carbonatization and weak potassic alteration. Such intervals are darker grey to black in colour, without epidote alteration and cut by 2-5% pinkish white Carb-dominant veinlets.</p> <p>Structure: 186.7-215.0 m - basalt is moderately fractured with frequent intervals of tightly-spaced irregular fractures at 60-80CA.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size cubic grains, disseminated and in some fractures and Ep-Carb veinlets. Slightly higher pyrite amounts in fenitized-carbonatized parts. 200.2-201.2 m - weak-mod carbonatization and weak fenitization, 2-3% pink-white-grey Carb-dominant, mm-cm, irregular veinlets; 1-2% fine disseminated Py. 205.5-209.4 m - weak carbonatization and fenitization, 3-5% Carb-dominant veinlets, reddish and grey, specular Hem in fractures, 0.5-1% fine diss Py.</p> <p>A rather distinct lower contact marked by the end of epidote alteration. Basalt becomes massive, texturally uniform.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-44	211.6	231.4	Basalte	V3B	<p>Basalt, massive, fine-grained. Alternating intervals of 1) dark green, pervasively chloritized basalt with fine speckled and fracture-filling epidote alteration, and 2) dark brown-black, pervasively fenitized (mostly biotite, minor K-fsp, hematite) basalt with calcite filling fractures instead of epidote. Minor fine specks of biotite are also seen in green parts. The changes in colour/alteration are distinct but not sharp. Both types are moderately to strongly magnetic and contain fine disseminated leucoxene.</p> <p>Structure: frequent intervals of tightly-spaced irregular fractures at 40 to 90CA (mainly at high angles). Note: the most fractured intervals occur within green basalt.</p> <p>218.2-220.1 m - moderate to strong fracturing, RQD=0;</p> <p>224.3-225.4 m - moderate to strong fracturing, RQD=0.</p> <p>229.6-231.4 m - moderately-developed foliation at 45-50CA, defined by biotite and chlorite fabrics and the alignment of leucoxene specks. A low-angle Qz-Carb veinlet crosscuts the foliation at 230.8 m.</p> <p>Mineralization: traces to 0.5-2% Py fine to med-size cubic grains, disseminated and aggregates in some fractures.</p> <p>At 217.8 m and at 222.5 m - two coarse-grained, pink-white Ca-carbonatite veinlets at 20CA, 1-2 cm wide (high REEs - Ce, La, Nd, high Sr).</p> <p>The lower contact is approximate, likely gradational; marked at the beginning of Ep-Carb patches (flow breccia?). At the same point basalt becomes non-magnetic.</p>	
D-92-44	231.4	255	Basalte; Basalte d'aspect gabbroïque	V3B; V3B (I3A)	<p>Basalt, fine to medium-grained with a gabbroic (ophitic) texture produced by small Plg grains rimming larger, dark green, "ghostly" crystals of Px (Ol?). Mottled grey, green, with beige and olive patches of Ep+Carb+/-Hem alteration. Numerous irregular fractures are also filled by Ep, Carb, fibrous Ser and reddish Hem. Minor disseminated leucoxene. Non-magnetic.</p> <p>Structure:</p> <p>231.4-232.4 m - weak foliation at 35-50CA at the beginning of the unit and weak to moderate fracturing and veining, also at 35-50CA.</p> <p>240-248 m - 2-5% salmon pink-white Carb-Qz veinlets, a few mm to 12 cm wide, mainly oriented at 55-75CA; crosscutting older, epidote-filled fractures; non-mineralized.</p> <p>Mineralization: traces Py small disseminated grains. Occasional fine-grained Py aggregates at the bottom of the unit.</p> <p>From 248.3 - gradually increasing irregular fracturing at a wide range of angles; the grain boundaries become fuzzy. Well-pronounced disseminated leucoxene alteration is seen throughout along with the increasing patchy, reddish, potassic alteration. Epidote alteration gradually disappears, while the intensity of carbonate increases in the matrix and in fractures.</p> <p>From ~252.6 m, basalt becomes magnetic.</p> <p>248.3-249.1 m - a shear zone with undulating foliation at 0-10CA defined by Ser-Ep fabrics in fractures.</p> <p>The lower contact is arbitrary.</p>	
D-92-44	255	262.13	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Deformation zone, Mineralized zone.</p> <p>Continuation of Basalt, sheared and moderately to strongly altered by potassic metasomatism, characterized by the replacement of the primary minerals by secondary K-feldspar, biotite, amphiboles. The surface of the core stored outside is rusty brown, oxidized. Weak Fe-carbonate in fractures and matrix. Patchy magnetism due to fine Mgt grains in fractures, Carb veinlets and disseminated the matrix.</p> <p>From 259 to (262.1) m, there is strong K-feldspartization, which is commonly described in the logs as "syenite injections". The oxidized parts are rusty-brown and the fresh breaks are pale pink-grey, fine-grained with sometimes distinct grains of K-feldspar and albite. The host basalt is dark grey to greenish black, fine-grained, with fine disseminated beige leucoxene.</p> <p>Structure: weak to moderate, intermittently-developed foliation at 35-45CA, locally crackle brecciation. In some parts, there are small dissolution cavities along fractures.</p> <p>Mineralization: 1 to 3% Py fine to med-size cubic, disseminated grains, locally up to 5% fine-grained aggregates in fractures.</p> <p>The assays within this interval show continuous elevated gold grades ranging from 0.23 to 6.95 g/t (over 1.52 m each sample).</p>	
D-92-44	262.13	273.35	Boîte(s) perdues	CNR	<p>Two missing boxes.</p> <p>The missing interval contains the best gold intersections with grades ranging from 0.8 to 14.7 g/t Au (over 1.52 m each sample).</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-44	273.35	306	Basalte; Altéré; Cisaillé	V3B; AE; CS	<p>Deformation zone.</p> <p>Continuation of Basalt, moderately to strongly deformed and altered by potassic metasomatism. The exposed core surface is rusty-brown, oxidized. Rusty stains are easily removed by HCl. The fresh groundmass is medium to dark grey, fine- to medium-grained, rather hard, moderately fenitized (secondary K-feldspar and amphiboles) and Fe-carbonatized. Contains fine disseminated leucoxene. Variable magnetism (weak to strong) is caused by the presence of Mgt as very fine disseminated grains and fine-grained streaks/fractures.</p> <p>Structure: basalt is moderately to strongly fractured, in parts foliated at 20 to 50CA. Numerous Fe-carbonate+/-Qz veinlets crosscut the rock. They are mm-cm wide, irregular, variably oriented, often boudinaged and fragmented. Common small dissolution cavities along fractures.</p> <p>286- 292.5 m - tightly-spaced parallel to subparallel fractures at high core angles (55-80CA, RQD<20).</p> <p>At 295.4 m - well-developed foliation at 20-25CA truncates several Qz-Carb veinlets oriented at ~45CA (at high angles to shear).</p> <p>299-305 m - moderately-developed foliation at low core angles (5-25CA).</p> <p>Mineralization: traces to 1-2% Py small diss grains and fine-grained aggregates in fractures. Low gold grades within this interval range from 0.05 to 0.7 g/t Au (over 1.5 m each sample); one sample gave 1.71 g/t.</p> <p>297-301 m - several dark pink Ca-carbonatite veinlets with elevated REEs, mm-cm wide, irregular. At 305 m, Fe-carbonate alteration ends and is replaced by calcite (showing a stronger reaction to HCl) and reddish hematite. Hematite disappears after 306 m.</p>	
D-92-44	306	322	Basalte; Cisaillé	V3B; CS	<p>Deformation zone.</p> <p>Continuation of Basalt, sheared at very low core angles, without Fe-carbonate alteration and lesser potassic infiltrations.</p> <p>The rock is medium to dark grey to grey-green, in places dark brownish grey due to potassic alteration. The groundmass is fine to medium-grained, chloritized, patchy carbonatized (calcite), with widespread disseminated leucoxene alteration. Magnetism variable: the green, chloritized parts tend to be non-magnetic, while the fenitized parts are moderately magnetic. Secondary potassic minerals are K-feldspar and black amphiboles, traces biotite.</p> <p>Structure: moderately to well-developed foliation at 0 to 15CA defined by chlorite fabrics and orientation of mm carbonate veinlets.</p> <p>Mineralization: traces Py; locally 0.5-1% Py small disseminated cubic grains. The lower contact is arbitrary, marked at the beginning of Fe-carbonatization.</p>	
D-92-44	322	339	Basalte; Altéré; Cisaillé	V3B; AE; CS	<p>Deformation zone, Mineralized zone.</p> <p>Continuation of Basalt, sheared and intensely Fe-carbonatized.</p> <p>The exposed core surface is rusty brown, iron oxidized; on the fresh breaks the rock mottled pale to medium grey, beige, with patchy distributed secondary black amphiboles and pinkish red K-feldspar (potassic alteration). HCl readily reacts with the rusty stains causing bleaching on the surface of the core. The groundmass is fine to medium-grained, variably magnetic (non-magn to moderately magn), with fine disseminated leucoxene.</p> <p>Structure: moderate irregular fracturing with fractures filled by Fe-carbonate and a black, fine-grained mineral or mineral assemblages (Chl, Biot, Amph, specular Hem). In places weakly-developed foliation at very low core angles (0-15CA). A few occasional milky Qz veinlets, mainly at 15-30CA.</p> <p>322.0-323.3 m - two pink Ca-carbonatite veinlets, 1-3 cm wide (elevated REEs).</p> <p>Mineralization: traces to 3-4% Py very fine to med-size, disseminated, cubic grains and fine-grained aggregates in fractures. From 332.23 to 339.85 m, there are continuous gold grades ranging from 0.1 to 2.6 g/t Au (over 1.5 m each sample).</p> <p>The lower contact is arbitrary, marked at the end of the intense Fe-carbonatization.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-92-44	339	365	Basalte; Altéré; Cisailé	V3B; AE; CS	<p>Deformation zone.</p> <p>Continuation of Basalt, sheared, with less intense Fe-carbonate alteration and moderate potassic alteration (finitization).</p> <p>On the exposed core surface, the rock is dark brown grey with reddish patches. On fresh breaks, it is medium grey, fine-grained, strongly to moderately magnetic, with abundant, widespread, disseminated leucoxene. Secondary potassic minerals are dominantly F-feldspar, biotite and lesser black amphiboles and possibly pyroxenes. Carbonate shows a stronger fizzing reaction to HCl than in the previous unit and may well be rather calcitic. HCl does little bleaching when applied on the weathered surface.</p> <p>Structure: the interval is moderately fractured, cut by numerous beige and pinkish Carb-dominant mm veinlets, which are irregular, commonly fragmented, boudinaged, variably oriented at a wide range of angles (5 to 70CA). Locally weak foliation at very low angles. Some of these veinlets show elevated REEs, Sr, Th and, thus, were formed by late carbonatite-related fluids.</p> <p>Mineralization: traces to 0.5-1% Py fine to med-size cubic grains, disseminated and in some fractures and Carb veinlets. Occasional low gold grades (0.1-0.2 g/t Au).</p> <p>From ~360 m, the intensity of potassic alteration gradually decreases. Basalt becomes greener, chloritized. Carbonatite-related veinlets were seen down to 364 m.</p>	
D-92-44	365	425.5	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, fine-grained, massive, medium to dark green, pervasively chloritized, with weak to strong yellowish patchy epidote alteration, irregularly distributed disseminated leucoxene. It is weakly to moderately magnetic due to fine Mgt in fractures, diss grains. Numerous fractures are mainly filled by epidote and lesser Qz, Carb (calcite), barite and minor earthy, red hematite.</p> <p>Some intervals are weakly to moderately altered by potassic metasomatism (finitized). Basalt in this case turns brownish or reddish with K-feldspar being the main secondary potassic mineral. These intervals are moderately to strongly magnetic, moderately carbonatized and have no epidote alteration.</p> <p>396-398.4 m - weakly finitized interval with 1-2% pink-white Ca-carbonatite veinlets.</p> <p>Structure: overall, the interval is rather deformed, moderately to strongly fractured, locally crackle-brecciated.</p> <ol style="list-style-type: none"> 1) 365-369 m - frequent parallel to subparallel creamy white Carb-dominant mm veinlets/fractures, mainly oriented at 30-35CA; locally similarly-oriented weak foliation. A group of fractures oriented at 40-50CA crosscut the veinlets in the opposite direction. 2) These fractures at 40-50CA are common throughout the unit. 3) Some intervals are broken to cm fragments (RQD=0) by tightly-spaced irregular fractures at high core angles (50-80CA). 4) Frequent small dissolution cavities along fractures and veinlets. 5) occasional pink Ca-carbonatite veinlets, a few mm to a few cm wide, within finitized and chloritized intervals. 6) 398-412 m - occasional fractures/mm Carb veinlets running along the core axis (0-5CA). 7) 417.5-425.5 m - fractured, comminuted core (RQD=0). <p>Mineralization: traces to 1-2% Py fine-grained aggregates in fractures, disseminated grains.</p> <p>373 m - 5 cm wide weakly finitized and carbonatized zone with 5% Py as fine disseminated grains and a 1 cm wide fine-grained Py stringer. The sample across this zone gave 1.55 g/t Au over 1 m.</p> <p>EOH</p>	

D-93-01			UTM coordinates			
Year drilled	Azimuth: 360°		East: 708998.32			
1993	Dip: -67.5°		North: 5489806.11			
	Length: 433m		Elevation: 304.29m			
Survey	From	To	Title	Summary	Description	Angle
D-93-01	0	79.3	Mort terrain	M-T	Overburden.	
D-93-01	79.3	132.3	Basalte magnésien; Komatiite; Variolaire	V3F; V4A; VAR	<p>Mg-Basalt or an Ultramafic volcanic rock with variolitic textures.</p> <p>The matrix is massive, fine-grained, dark grey with bluish and greenish tones, rather hard to scratch. There is black serpentine in the matrix and in some fractures. Varioles are lighter-colored than the matrix, pale bluish grey, range from mm to cm in diameter and often form coalesced, almost aphanitic clusters. Locally serpentinized pillow rims. XRF shows elevated Mg, Ni and Cr in the matrix.</p> <p>From 110.7 to 112.8 m - spinifex textures with sheaf and feather-like aggregates of black, serpentinized, acicular crystals. The spinifex texture ends rather abruptly, being followed by a coarse-grained rock (cumulate?).</p> <p>Magnetism: the rock is non-magnetic in the upper portion; from ~126 m, it becomes weakly magnetic.</p> <p>Structure: a competent rock with minor fracturing with epidote and carbonate infilling. Some fractures have dissolution cavities. Occasional white calcite and epidote veins, a few mm to 2-3 cm wide, often oriented at low core angles.</p> <p>Mineralization: traces to 1-2% Py as disseminated, small, subhedral to anhedral grains, and as fine-grained aggregates in fractures, irregular masses.</p> <p>The lower contact is somewhat distinct at ~40CA, not sharp, marked by textural changes.</p>	
D-93-01	132.3	135.6	Komatiite	V4A	<p>An Ultramafic rock, massive, without variolitic textures, possibly picritic sill.</p> <p>The interval is rather uniform in appearance, dark greenish grey to green-black, fine to medium-grained, massive, with sometimes distinct pale bluish grey Plg anhedral masses. The matrix is pervasively serpentinized, probably amphibolized, non-carbonaceous/non-carbonatized, moderately hard to scratch. XRF shows high Mg and elevated Cr and Ni.</p> <p>Magnetism: non-magnetic.</p> <p>Structure: a competent rock with a few occasional carbonate veinlets.</p> <p>Mineralization: traces of pyrite.</p> <p>The lower contact is approximate.</p>	40
D-93-01	135.6	143.45	Basalte magnésien; Komatiite; Variolaire	V3F; V4A; VAR	<p>Mg-Basalt or an Ultramafic volcanic rock with variolitic textures, same as at 79.3-132.3 m.</p> <p>Dark greenish grey, fine-grained, serpentinized matrix and leucocratic varioles. White carbonate (calcite) in fractures, no epidote.</p> <p>Magnetism: non-magnetic.</p> <p>Structure: weak fracturing at various angles, carbonate infilling.</p> <p>Mineralization: traces to 0.5% Py small disseminated anhedral grains.</p> <p>The lower contact is distinct, not sharp, at 45CA.</p>	
D-93-01	143.45	147.45	Intrusif ultramafique; Carbonatite	I4; I4Q	<p>Mafic to ultramafic, alkaline dyke, Lamprophyre.</p> <p>The rock is brownish black, fine to medium-grained, rather uniform in appearance, composed of biotite-rich, pervasively carbonatized groundmass with small, anhedral phenocrysts of calcite. Rather soft to scratch. XRF shows high Mg, Fe, Ca, elevated K, P and elevated REEs and Sr. REEs are also present in white carbonate/Ca-carbonatite veins and fractures.</p> <p>At 143.8-143.95 m - a 10 cm wide, greyish white Ca-carbonatite vein at 45CA, parallel to the upper contact of the unit.</p> <p>At 144.9-145.3 m - a fragment (xenolith) of serpentinized, fine-grained rock with distinct (broken) contacts.</p> <p>Magnetism: mostly non-magnetic, locally weakly magnetic.</p> <p>Structure: weak to moderate irregular fracturing, tension gashes filled by carbonate/carbonatite. In places weakly to moderately-developed foliation at 30-45CA.</p> <p>Mineralization: rare traces of pyrite.</p> <p>The lower contact is distinct, not sharp, at 45CA.</p>	45

Survey	From	To	Title	Summary	Description	Angle
D-93-01	147.45	167	Komatiite; Cisaillé	V4A; CS	<p>An Ultramafic rock, serpentized, sheared.</p> <p>The interval is dark grey to black with greenish and bluish tones, pervasively serpentized, patchy carbonatized, moderately soft to scratch. The matrix is fine to medium-grained, without recognizable variolitic textures. Pale bluish grey Plg grains are stretched parallel to the foliation along with serpentine fibres.</p> <p>At 150.35-150.75 m - strongly sheared alkaline dyke, biotite and calcite-rich, with elevated REEs. Contacts are distinct, at 40-45CA, same as foliation angles.</p> <p>At 153.5-158.4 m - weak to moderate patchy reddish fenitization. No gold grades.</p> <p>At 162.2-162.6 m - weak patchy fenitization.</p> <p>Magnetism: non-magnetic to locally weakly magnetic. Weakly to moderately magnetic in fenitized sections.</p> <p>Structure:</p> <p>147.5-148.3 m - moderate irregular fracturing, carbonate tension gashes.</p> <p>148.3-148.5 m - a shear/fault zone with numerous white calcite veinlets and minor gouge on shear planes, well-foliated at 45CA.</p> <p>148.5-153.5 m - moderately sheared with weakly to moderately-developed foliation at 40-45CA.</p> <p>153.5-158.4 m - moderately sheared with weakly to moderately-developed foliation at 25-35CA, variably oriented carbonate tension gashes.</p> <p>158.4-158.6 m - a shear/fault zone with numerous white calcite veinlets and minor gouge on shear planes, well-foliated at 35CA.</p> <p>158.6-160.8 m - a strongly sheared with moderately to well-developed foliation mainly at 35-40CA..</p> <p>160.8-162.9 m - in addition to shear at 35-40CA, there are parts with lower foliation angles, at 15-25CA. Numerous carbonate veinlets are parallel to the foliation; also irregular tension gashes.</p> <p>162.9-165 m - moderately to strongly sheared with foliation at 15-25CA. Undulating serpentine- and carbonate-filled fractures at 0-15CA.</p> <p>165-165.4 m - strongly sheared with foliation and carbonate veins at 35-40CA.</p>	45
D-93-01	167	183.25	Basalte; Fracturé(e)	V3B; FA	<p>Basalt, strongly fractured, epidotized.</p> <p>The rock is fine-grained, medium greenish grey, with moderate epidote alteration in numerous mm veinlets and hairline fractures, patches and fine specks in the matrix (epidotization of plagioclase grains). The interval has a distinctively chaotic, disorderly appearance typical to the upper parts of mafic flows and enhanced by a strong fracturing.</p> <p>Magnetism: weak to moderate.</p> <p>Structure: strong, irregular fracturing and veining with epidote and carbonate infilling. Most of the broken core fragments are less than 10 cm making RQD less than 15-20%. Fractures are variably oriented, mainly at high core angles, 45-80CA. Common dissolution cavities along fractures. Some intervals display closely spaced, irregular joints oriented at 60-80CA. Occasional purplish white Carb (calcite) veinlets with fine Mgt/Hem appear younger than epidote-filled fractures and veinlets as they contain brecciated epidotized fragments.</p> <p>Mineralization: traces to 0.5% Py small grains in some fractures.</p> <p>The lower contact is distinct, slightly bleached, carbonatized, without epidote alteration. The contact is slightly wavy, irregular, at ~20CA.</p>	
D-93-01	183.25	187.2	Intrusif intermédiaire	I2	<p>An alkaline syenite (?) dyke.</p> <p>The rock is medium reddish grey, fine to medium-grained, massive, rather uniform, pervasively carbonatized. Carbonate reacts to HCl with a subtle effervescence. Reddish, Hem-stained K-feldspar is seen in the matrix, as well as dark grey to black, prismatic grains with fuzzy contours, could be alkaline amphiboles.</p> <p>Magnetism: mostly non-magnetic with weakly magnetic spots.</p> <p>Structure: the interval is weakly fractured with fractures filled by carbonate (carbonatite?), oriented at variable angles.</p> <p>Mineralization: non-mineralized.</p> <p>The lower contact is distinct, irregular, at 5-20CA.</p>	20

Survey	From	To	Title	Summary	Description	Angle
D-93-01	187.2	191.65	Basalte	V3B	Basalt, mafic flow, strongly epidotized. The interval has a very mottled appearance due to numerous pale yellowish green, epidotized and carbonatized bands, irregular patches, lumps ranging from a few cm to 2-3 dm in size. Possibly pillowed; Volcanic bombs?? The matrix is fine-grained, dark green, pervasively chloritized. Magnetism: the matrix is weakly to moderately magnetic; epidotized patches are non-magnetic. Structure: weak to moderate irregular fracturing with epidote and carbonate infilling. At 190.85-191.05 m - a small shear zone with well-developed foliation at 17CA, 0.5-1% fine Py in shear planes. Mineralization: traces to locally 0.5-1% Py as irregular or blebby fine-grained masses in some fractures. The lower contact is distinct, at ~ 50CA.	20
D-93-01	191.65	195.4	Intrusif intermédiaire	I2	An alkaline syenite (?) dyke, same as at 183.25-187.2 m. Structure: a stockwork of millimetric veinlets/fractures/tension gashes, mainly filled by beige-white carbonate (with trace REE). Mineralization: non-mineralized. The lower contact is distinct, wavy, at 30CA.	50
D-93-01	195.4	272	Basalte; Brèche de coulée	V3B; BQ	Basalt, mafic flow, strongly epidotized. The rock has a very mottled, heterogeneous appearance typical of top flows with roundish to irregular, strongly epidotized patches which could be flow breccia, clusters of plagioclase fine grains, amygdules and possibly group of varioles. Most likely pillowed. The matrix is fine-grained, dark green, chloritized and patchy carbonatized. There are occasional irregular, fine-grained, brownish masses which could be hydrothermal garnet. Sub Litho: Several dykes/dykelets crosscut basalt at angles varying from 15 to 60CA. The width of dykes range from 0.5 cm to several dm. At 196.25-196.7 m - a fine-grained, brownish grey dyke (alkaline syenite?) with distinct, irregular contacts at 10-15CA; carbonatized, wk-mod magnetic. Basalt is weakly sheared on the contacts. Trace Py. At 208.9-209.15 m - a fine-grained, brownish grey dyke (alkaline syenite?) with distinct, parallel contacts at 25-30CA,; carbonatized, magnetic, weakly sheared, mineralized by 0.5-2% fine Py. At 239.5-242.5 m - several brownish dykelets, 1-2 dm wide, porphyritic with distinct grey, anhedral grains of Qz surrounded by fine-grained, pink-beige-brownish, weakly carbonatized and epidotized groundmass (plagioclase?). Non-magnetic to weakly magnetic. Reddish brown coloration is probably caused by hematite. Mineralized by traces to 1% fine disseminated Py. XRF shows high REEs, elevated trace Zr, Th and absence of K. REEs are Ce, La, Nd, and Y. Magnetism: the interval is variably magnetic - non-magnetic to weakly to moderately magnetic. Structure: moderate irregular fracturing with epidote and carbonate infilling. There are frequent highly fractured intervals with closely-spaced fractures at 45-80CA. RQD in such intervals is below 20%. 271.6-271.8 m - a small foliated zone (shear? carbonate sheeted vein?) with contacts and foliation at 20CA. Mineralization: traces to 1% Py disseminated blebby aggregates, anhedral grains, fine-grained masses in some fractures. The lower contact is broken to small pieces.	30
D-93-01	272	278	Intrusif intermédiaire; Fracturé(e); Basalte; Cisailé	I2; FA; V3B; CS	An alkaline syenite (?) dyke, same as at 183.25-187.2 m. Medium to dark reddish grey, fine to medium-grained, massive, rather uniform, patchy to pervasively carbonatized (subtle reaction to HCl), weakly hematitized. In some places, there are dark bluish grey phenocrysts (amphibole?). Magnetism: non-magnetic to patchy magnetic. Structure: the dyke is moderately fractured and contains a stockwork of mm-cm veinlets/fractures/tension gashes, mainly filled by pinkish white carbonate. Sub Litho: At 273.6-274.7 m - sheared basalt/Mg-basalt, dark green-grey, soft to scratch, pervasively chloritized, carbonatized, non-magnetic, possibly minor serpentine. Foliation is well-developed at 15-20CA. Rare traces Py. At 277.7 m - two dark brownish red-grey, medium-grained dykelets, 3 and 0.5 cm wide, crosscut the host dyke. Their contacts are distinct, at 32-37CA. These dykelets resemble those at 239.5-242.5 m and have elevated REEs. Traces diss Py. Carbonate tension gashes crosscut both dykes. Mineralization: traces Py. The lower contact is distinct, wavy, at 20CA.	

Survey	From	To	Title	Summary	Description	Angle
D-93-01	278	295.95	Basalte; Brèche de coulée; Amygdalaire; Coussiné	V3B; BQ; AM; CO	Basalt, mafic flow, patchy epidotized. The rock has a mottled appearance, less chaotic than a similar unit at 195.4-272 m. The matrix is fine-grained to locally aphanitic, medium to dark grey-green, chloritized, patchy carbonatized. Moderate to weak patchy epidotization of amygdules, flow breccia, fracture-filling. Locally distinct pillow rims. Magnetism: weak to moderate. Structure: 278-290 m - moderate to strong irregular fracturing and veining, carbonate tensions gashes. Angles are variable. Two distinct orientations: 1) 45-80CA, and 2) 10-25CA. Low-angle fractures and veinlets seem to be younger than higher-angle ones. 290-292.3 m - a shear zone with foliation and carbonate veining near parallel to the core axis, at 0-15CA. No epidote alteration; moderate to strong carbonatization. At the lower end of the shear zone, there are brecciated fragments of the host rock cemented by white calcite veins. 292.3-295.95 m - moderate fracturing with epidote and carbonate infilling, pillow rims, epidotized amygdules. Mineralization: traces to 0.5% Py as fine-grained, irregular masses in some fractures. The sheared interval at 290-292.3 m contains traces to 1% Py as small to med-size, disseminated, cubic grains (No gold grades in sampled parts). The lower contact is distinct, at 35CA.	20
D-93-01	295.95	298.7	Intrusif ultramafique; Cisaillé	I4; CS	An Ultramafic, alkaline dyke - Lamprophyre, sheared. The rock is dark, brownish to greenish black, porphyritic. The upper portion of the interval, 295.95-297.7 m, is strongly sheared, moderately biotitized, hence the brownish shades, with a fine to medium-grained matrix and bluish grey anhedral phenocrysts. Phenocrysts are carbonatized, a few mm to 1 cm in size, often stretched along the foliation. The rock also contains numerous stretched white calcite grains and mm veinlets oriented parallel to the foliation. It is pervasively, strongly carbonatized (strong reaction to HCl). Moderately soft to moderately hard to scratch. Structure: well-developed foliation at angles changing from 50-52CA in the upper parts to 35CA in the lower. At 397-397.5 m - low-angle fractures, 5-10CA, filled by white carbonate/carbonatite, crosscutting the foliation. The lower portion, 297.7-298.7 m, is less sheared, has much lesser amounts of white carbonate grains and veinlets and looks less mottled. The matrix is greenish to bluish black, weakly to moderately biotitized, carbonatized and serpentized. There are two types of phenocrysts: 1) dark bluish grey anhedral, roundish to subhedral grains, mm to half-cm in size; and 2) dark mica phenocrysts, a few mm in size, less common than type 1. Structure: weakly sheared with weak to faint foliation at 25-35CA. Magnetism: non-magnetic. Mineralization: rare traces Py. The lower contact is somewhat distinct, at ~25CA.	35
D-93-01	298.7	314	Basalte; Brèche de coulée; Fracturé(e)	V3B; BQ; FA	Basalt, mafic flow, patchy epidotized, strongly fractured. Fine-grained, medium to dark grey-green, chloritized matrix. Moderate to strong patchy and fracture-filling epidote alteration. Probably pillowed. Locally very fine disseminated leucoxene. Magnetism: moderate to strong. Magnetite occurs as localized disseminated grains and as fine-grained aggregates filling fractures. Structure: the interval looks shattered, strongly fractured at high core angles, 50-75CA; the core is broken to cm-dm pieces making RQD<15%. Common dissolution cavities along fractures. These fractures typically have rough surfaces without or with minimal coating. There are also hairline to several mm wide fractures filled by epidote and lesser carbonate (calcite) and red earthy hematite. Two distinct sets of angles: 1) 35-55CA, and 2) 0-20CA. Mineralization: traces to 2-3% Py as disseminated blebby and subhedral grains, fine-grained aggregates in fractures. Pyrite partially replaces magnetite in some fractures. Traces Cpy. The lower contact is arbitrary, marked at the end of strong fracturing.	25

Survey	From	To	Title	Summary	Description	Angle
D-93-01	314	364.3	Basalte; Brèche de coulée; Amygdalaire; Coussiné	V3B; BQ; AM; CO	Continuation of Basalt, pillowed mafic flow with flow breccia and amygdules. The interval has a chaotic appearance, looks very mottled with patches of pale to dark green, grey, and beige. The matrix is fine-grained, in parts aphanitic and in some places looks coarser due to the presence of whitish Plg microphenocrysts. Carbonate is absent or limited in the matrix and typically occurs in fractures and some late veins; it is beige-white, often rusty, and shows weak to moderate reaction to HCl. Epidote alteration, distinct by its yellow-green colour, was observed only at 344-353 m. Magnetism: non-magnetic from 314.3 to ~343.5 m; from 343.5 to 354.5 m - weakly to moderately magnetic due to the presence of fine-grained irregular Mgt patches; from ~354.5 m - non-magnetic with occasional magnetic spots. Weak to moderate patchy magnetism near the lower contact. Structure: weak to moderate fracturing at various angles. There are fractures and cm-wide foliated (sheared?) band-like features which undulate along the core axis at 0-15CA. Occasional bluish silica irregular veinlets. Mineralization: variably distributed pyrite as fine to medium-grained irregular masses, in some fractures, some amygdules, ranging from traces to 2-3%. Pyrite concentrations increase near the lower contact. The lower contact is irregular, gradational over 1-2 cm, marked by distinct changes in colour.	
D-93-01	364.3	374.5	Intrusif intermédiaire	I2	An alkaline syenite (?) dyke, similar in composition to the dyke at 183.25-187.2 m. Medium beige, tan, brownish to dark reddish grey, fine-grained, massive, rather uniform, hard to scratch, weakly carbonatized along fractures, in parts weakly to moderately hematitized (red and specular Hem). In places, the rock is weakly to moderately sericitized and has a greasy lustre. At 369-370.5 m, the rock is dark greenish and reddish grey, possibly patchy fenitized basalt. XRF shows different results for this interval and the beige rock. For example, the beige contains elevated REEs, K and Ba, while there is no REEs in the dark rock and very low K and Ba. The latter also contains Mg and Mn, which were not detected in the beige. Magnetism: variably magnetic. The paler parts are typically non-magnetic with some magnetic spots (fine disseminated Mgt grains and Mgt in fractures) and contain disseminated specks of leucoxene. The darker interval at 369-370.5 m is strongly magnetic. Structure: the dyke is weakly to moderately fractured and contains 3-5% mm-cm veinlets/fractures/tension gashes, mainly filled by pinkish beige carbonate. Mineralization: 2-5% Py fine to med-size disseminated cubic grains and fine to medium-grained aggregates. The lower contact is distinct, sheared, at ~15-20CA.	
D-93-01	374.5	377.5	Basalte; Brèche de coulée; Amygdalaire; Coussiné	V3B; BQ; AM; CO	Basalt with flow breccia. Dark green, chloritized, fine-grained matrix with pale yellowish green, epidotized, irregular-shaped flow breccia, which gives the rock a mottled appearance. Magnetism: moderate to strong throughout the interval. Mineralization: 0.5-2% Py fine to med-size subhedral grains, disseminated, in fractures, irregular aggregates. The lower contact is distinct, planar, at ~40CA.	17
D-93-01	377.5	381.5	Intrusif intermédiaire	I2	An alkaline syenite (?) dyke, same as at 364.3-374.5 m. Medium beige, tan, reddish grey, rather uniform, fine-grained, massive, hard to scratch, weakly carbonatized along fractures and patchy in the matrix. Carbonate shows subtle reaction to HCl, dolomite to Fe-carbonate. Weak patchy hematite and sericite alteration. Epidote in some fractures. Magnetism: weakly to moderately magnetic due to the presence of very fine disseminated Mgt grains and fine-grained Mgt aggregates in fractures. Structure: the interval is weakly to moderately fractured by hairline to mm fractures and tension veinlets. Some epidote-filled fractures are crosscut by fractures filled by rusty beige carbonate. Angles are variable, mainly between 40 and 70CA. Mineralization: traces Py. The lower contact is somewhat distinct, sheared, at 15-20CA.	40

Survey	From	To	Title	Summary	Description	Angle
D-93-01	381.5	407.7	Basalte; Brèche de coulée; Amygdalaire; Coussiné	V3B; BQ; AM; CO	Basalt, mafic flow, patchy epidotized. Dark green, chloritized, fine-grained matrix with pale yellowish green, epidotized, irregular-shaped flow breccia, which gives the rock a mottled appearance. Possibly pillowed. Minor red, earthy hematite on some fracture surfaces. Minor carbonate in some veinlets, fractures, not in the matrix. Magnetism: moderate to strong in the fractured zone; from 406 m - non-magnetic to weakly magnetic. Structure: 381.5-406 m - moderate to strong fracturing at 45-65CA, the core is broken to cm-dm pieces; frequent groups of tightly-spaced joint. These fractures typically have rough, not coated surfaces. RQD<25CA. Common dissolution cavities along fractures. At ~402.5 m - a small, dm-wide shear zone with well-developed foliation at 35CA. Mineralization: traces to 1% Py, locally 2%, as small disseminated grains and fine to medium-grained irregular masses. The lower contact is approximate.	17
D-93-01	407.7	411	Sédiments non divisé; Chert	S; S10	Sediments with minor chert. Fine-grained to aphanitic, non-laminated, strongly siliceous sediments, non-carbonaceous, weakly sericitic, pale to medium grey with minor greenish patches (chloritic). Massive, aphanitic, grey chert with conchoidal fracturing was observed near the lower contact. Magnetism: non-magnetic. Structure: in parts sheared with weakly-developed foliation at 35CA. Mineralization: 3-7% Py small to med-size disseminated euhedral to subhedral grains, groups of grains, irregular aggregates, nodules, fracture-filling. At 410.8-411 m, there are massive to semi-massive, medium to fine-grained pyrite aggregates with minor fragments of chert. This mineralized interval marks the lower contact.	
D-93-01	411	418.2	Basalte	V3B	Basalt, patchy carbonatized and fenitized. The rock is fine-grained, aphyric, massive. Generally, it is medium to dark greenish grey, chloritized, with weak rusty staining on the exposed surface. The matrix is moderately carbonatized with carbonate showing good reaction to HCl. From ~417 m, basalt becomes patchy fenitized, dark reddish to brownish grey. Locally minor leucoxene. Magnetism: patchy, non-magnetic to wk-mod magnetic. The lower, fenitized portion is moderately to strongly magnetic. Structure: 2-3% carbonate-dominant mm-cm tension veinlets, variably oriented, mainly at 40-65CA. Mineralization: 0.5 to 2% Py small disseminated euhedral to subhedral grains, aggregates in some fractures and Carb veinlets. The lower contact is approximate (broken core), somewhat distinct by changes in colour.	
D-93-01	418.2	420.7	Intrusif intermédiaire; Carbonatite	I2; I4Q	An alkaline syenite (?) dyke with fragments of basalt, crosscut by numerous carbonatite veins. As another possibility, it could be a highly fenitized basalt. The rock is fine to medium-grained, cherry pink-red with medium to dark grey patches. The minerals composing the rock include K-feldspar, dark mica, specular hematite, black prismatic minerals (Amph, Px?), and carbonate. The crosscutting pink Ca-carbonatite veins are a few mm to a few cm wide, coarse-grained, irregular, making ~25-30% of the interval. There are small, dark green to green-grey fragments (xenoliths) of non-fenitized, chloritized basalt. Magnetism: variable, mod-str magnetic to non-magnetic. Structure: weak to moderate shearing at 25-35CA, tension veinlets, irregular carbonatite veinlets. Mineralization: 0.5 to 2% Py small to med-size disseminated subhedral to euhedral grains, medium-grained aggregates. The lower contact is rather distinct by changes in colour (broken core).	

Survey	From	To	Title	Summary	Description	Angle
D-93-01	420.7	433	Basalte	V3B	<p>Basalt, patchy epidotized.</p> <p>The interval has a mottled appearance due to numerous yellowish green, epidotized veins, patches and plagioclase micro-phenocrysts. The matrix is dark grey-green, chloritized, hard to scratch, fine-grained with localized masses and groups of anhedral, saussuritized/epidotized Plg grains. May contain flow breccia in some parts. Locally fine disseminated leucoxene and locally minor pink hematite staining.</p> <p>Magnetism: moderate to strong; in some epidotized parts non-magnetic.</p> <p>Structure: moderate to strong fracturing. One distinct set of fractures and mm-cm veinlets is mainly oriented at 15CA, epidote-dominant. At 423 m, one of such low-angle veinlets and its adjacent hairline tension gashes are crosscut by a carbonate-dominant, mm, tension veinlet oriented at 35CA. The epidote veinlet is displaced by 1 cm.</p> <p>Mineralization: traces to 0.5% Py irregular, fine-grained masses.</p> <p>EOH</p>	

D-93-03			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709109.1			
1993	Dip: -67°		North: 5489911.87			
	Length: 379.99m		Elevation: 299.39m			
Survey	From	To	Title	Summary	Description	Angle
D-93-03	0	86.99	Mort terrain	M-T	Overburden	
D-93-03	86.99	157.5	Basalte	V3B	Basalt, fine-grained, massive, medium green to greenish grey, pervasively chloritized, locally dark grey with reddish patches (K/Hem alteration). The upper portion is non-magnetic, then from ~128 m basalt becomes variably magnetic (weakly to strongly). Frequent white Carb (Cal) and variable Ep in fractures and veinlets; locally mod to strong patchy epidotization. Some intervals are foliated, sheared. Mineralization: the pyrite content varies from traces to 1-2% as fine disseminated cubic grains, fine to medium-grained aggregates in some fractures, Carb-Ep veinlets and reddish patches, in shear zones.	
D-93-03	157.5	158.05	Chert	S10	Chert within epidotized basalt. The upper contact is distinct, at 50-55CA; the lower is not obvious. Intermixed chert and epidotized basalt continue down to ~159m. Chert is aphanitic, medium grey on the broken surface and pale grey to white on the dry, slightly weathered core surface. It is very hard, siliceous, massive, almost without macroscopically distinct laminations. A few spots show white, sericitic, very fine laminations. The rock is non-magnetic to weakly magnetic due to fine Mgt grains. Carb and Ep occur in sub-mm to mm fractures and small patches. Locally very minor Hem patches. Traces small disseminated cubic Py.	
D-93-03	158.05	216	Basalte	V3B	Basalt, same description as at 86.99-157.50; epidote alteration, minor reddish K/Hem altered patches	
D-93-03	216	224.6	Basalte; Altéré	V3B; AE	Continuation of epidotized Basalt with 25-30% reddish patches (K/Hem alteration). The surface of the core is brownish, oxidized after being stored outdoors. On fresh breaks, the rock is dark to medium greenish grey to grey, reddish brown. Basalt is fine-grained, with a mottled appearance, moderately fractured and cut by veinlets which are composed of Ep, Carb (calcite, iron carbonate) and Qz. Veinlets and reddish altered patches are often oriented at low angles (0-15CA). The matrix is patchy chloritized. Some parts are very fine-grained, look rather siliceous (interflow sediments? or just patchy silicification?). There are a few localized Carb-Qz-filled amygdules. From ~216.5 m, epidote starts to gradually disappear. Locally basalt is brecciated and cemented by carbonate veins. The rock is strongly magnetic in the upper portion of the interval and from ~224.6 m it becomes non-magnetic with localized magnetic patches. Magnetite is replaced by specular hematite. Locally minor disseminated leucoxene grains. Mineralization: 1 to 5% Py fine to med-size euhedral to subhedral disseminated grains and aggregates in fractures and reddish patches.	
D-93-03	224.6	234	Chert; Basalte	S10; V3B	Possibly chert intercalated with basalt and infiltrated by syenitic/potassic fluids (femitized). The interval is strongly silicified and contains numerous (10%) white Qz mm-cm veinlets. The exposed surface of the core looks dark brown due to iron oxidation. Fe-carbonate turned rusty and this makes it rather distinctive. It fills fractures, rims of Qz veinlets and forms rusty patches. The matrix is dark grey to pale grey, fine-grained to aphanitic, heterogeneous, hard to scratch, with specular hematite throughout. The rock is non-magnetic except a few localized magnetic patches. There is minor chlorite in the matrix and fractures and probably dark mica (phlogopite?). Locally fine disseminated, wedge-shaped grains of light buff leucoxene. Mineralization: 0.5 to 5% Py fine to medium cubic disseminated grains and aggregates in fractures. No distinct contacts.	

Survey	From	To	Title	Summary	Description	Angle
D-93-03	234	291.5	Basalte; Basalte magnésien; Altéré; Carbonatite	V3B; V3F; AE; I4Q	Basalt (magnesian basalt?) with minor carbonatite and patchy fenitization. The matrix is fine to medium-grained, dark grey, brownish grey, locally greenish grey (chloritized). The dark colour is likely caused by patchy to pervasive potassic fenitization (XRF: major Fe, Mg, K, elevated trace Rb, Zn, Ni). Fine scales of dark mica are seen in the matrix and around some veins. Locally fine disseminated buff leucoxene. Variable magnetism: strongly magnetic sections alternate with weakly to non-magnetic sections. Rusty Fe-carbonate fills fractures and rims of Qz veinlets, also patchy. Specular Hem occurs in the matrix, mostly around Qz veinlets. Basalt is mostly massive, locally sheared. Mineralization: overall traces to 1% Py small diss cubic grains. Pink-white, beige calcic carbonatite veinlets occur in basalt from ~251 to ~287 m. They are typically coarse-grained, irregular-shaped, varying from a few mm to 5 cm in width. XRF shows strong enrichment in REEs. At 287-291.5m - a shear zone in patchy Fe-carbonatized and chloritized basalt with reddish patches and fine diss Lx. Foliation is weakly to moderately developed at 35-40CA. The zone is mineralized by traces to 0.5-2% Py fine diss grains and blebs. Creamy carbonate veinlets in this zone don't have REEs. From ~291.5m - chloritized basalt with patchy and fracture-filling epidote alteration.	
D-93-03	291.5	308	Basalte	V3B	Basalt, fine-grained, massive, medium to dark greenish grey, locally brownish due to minor K/Hem/biotite alteration. Variably magnetic, pervasively chloritized, with frequent patchy and fracture-filling Ep and Cal. Minor disseminated leucoxene. Mineralization: traces to 0.5-1% Py small euhedral to subhedral grains. Lower contact: gradational compositional changes.	
D-93-03	308	312.3	Basalte magnésien	V3F	Magnesian basalt, fine-grained, dark greenish grey with minor mauve patches of Hem/K alteration (~5 to 15%). Basalt is pervasively chloritized, non-magnetic to locally weakly magnetic. Epidote disappeared from the fractures. Small dissolution cavities throughout the interval. Mineralization: traces to 1-2% Py disseminated small cubic grains.	
D-93-03	312.3	316.9	Basalte; Altéré; Cisaillé	V3B; AE; CS	SHEAR ZONE - Sheared Basalt, fine to med-grained, mottled dark grey, greenish grey, mauve, brown, patchy fenitized. Mod-str patchy magnetism (fine-grained Mgt in fractures, bands), locally minor leucoxene. Weak to moderate patchy Chl, Hem/K, Carb alteration, locally specular Hem. Weakly to moderately-developed intermittent foliation at 30CA; locally irregular fracturing. The interval is cut by 1-2% creamy Carb/Cal fragmented veinlets. Mineralization: 1 to 3-5% Py small disseminated euhedral to subhedral grains and aggregates in shear planes, fractures.	
D-93-03	316.9	318.5	Basalte magnésien; Cisaillé	V3F; CS	SHEAR ZONE - Sheared Magnesian basalt, fine-grained, dark greenish grey with 1-2% creamy beige Carb/Cal fragmented veinlets and fracture-fillings (mainly in shear planes). Pervasively chloritized, non-magnetic, non-calcitic (no reaction to HCl). Foliation at 25-35CA; black chlorite or serpentine streaks define the foliation. Mineralization: traces to 1% Py fine to small euhedral to subhedral grains in shear planes, fractures. This interval resembles sheared Mg-basalt at the end of DO-19-262.	
D-93-03	318.5	323.25	Basalte; Basalte magnésien; Altéré; Cisaillé	V3B; V3F; AE; CS	SHEAR ZONE - Sheared Basalt-Magnesian basalt with ~50% syenitic/potassic injections. The surface of the core is rusty, strongly oxidized (stored outdoors). The unit is fine to medium-grained, mottled med to dark grey, mauve, brown beige. Moderate patchy Chl, Hem/K, specular Hem, Carb. Patchy weak to strong magnetism due to the presence of fine-grained Mgt in fractures, bands, shear planes. Foliation at 15 to 35CA (mainly low angles). 1-3% creamy Carb (Cal, Dol) fragmented, irregular veinlets, locally brecciation. Mineralization: 0.5-2% Py fine diss grains and fine-grained aggregates. Assays returned grades ranging from 0.1 to 0.6 g/t Au (samples 1.5 m long each) over 315.47-326.14 m (not in V4 and V3F samples). The lower contact is rather distinct.	
D-93-03	323.25	324.7	Komatiite; Cisaillé	V4A; CS	SHEAR ZONE - Sheared Komatiite or Komatiitic basalt, fine grained, dark greenish grey to black with 1% white Carb (Cal and magnesite) fragmented veinlets and fracture-fillings (mainly in shear planes). Pervasively chloritized and serpentinized, soft to scratch, non-magnetic. Minor pinkish red patches (K/Hem alteration). Foliation at 10-35CA. Mineralization: 1-4% Py fine to medium cubic disseminated grains.	

Survey	From	To	Title	Summary	Description	Angle
D-93-03	324.7	325.5	Basalte; Altéré; Cisailé	V3B; AE; CS	Basalt with 25-50% syenitic/potassic injections (finitized), fine to medium-grained, medium grey, brown-beige (rusty), pinkish to mauve. Moderately fractured and in some parts sheared with foliation at 10-35CA. Moderately to strongly magnetic. Patchy Chl, Carb, Hem/K alteration. Crosscut by 1-4% creamy white fragmented Carb/Cal mm veinlets. Mineralization: 1 to 3-5% Py fine disseminated euhedral to subhedral grains and fine to med-grained aggregates/clusters.	
D-93-03	325.5	332	Basalte magnésien; Basalte; Altéré	V3F; V3B; AE	Magnesian basalt grading into basalt with 10-15% syenitic/potassic injections (finitized). Fine-grained, dark to medium grey with pink to mauve patches, pervasively chloritized and probably serpentized, moderately to strongly magnetic; locally specular Hem. Moderately fractured with Cal filling fractures. 3-5% creamy white Cal (carbonatite-related, elevated REEs) mm veinlets, small dissolution cavities throughout. Mineralization: 0.5 to 3% Py fine euhedral to subhedral grains and aggregates in Carb patches, veinlets, fractures.	
D-93-03	332	362	Basalte	V3B	Basalt, fine-grained, massive, locally amygdaloidal (amygdules filled by Ep, Cal); medium greenish grey with yellowish green epidotized patches, pervasively chloritized, wk-mod magnetic, moderately fractured with wk-mod fracture-filling Ep and Cal; locally brecciation with Carb cementing veinlets. Minor patchy reddish K/Hem and Carb alteration (finitization), often as halos around fractures. Frequent small dissolution cavities along fractures and veinlets. At 334-339m - brecciation with Carb/Cal cementing veinlets. At 346.5-348m - a fault zone at 0-5CA with brecciated host rock cemented by pinkish white Carb/Cal veinlets (no REEs). At 354.5-356m - mod foliation/shearing at 30-40CA. Mineralization: traces to 1-2% Py in Carb fractures, reddish patches.	
D-93-03	362	379.9	Sédiments non divisé; Chert	S; S10	Fine-grained sedimentary rock (greywacke), fine-grained, locally aphanitic, medium greenish grey, massive, moderately hard to scratch, microfractured, with creamy to rusty Carb and Ep in irregular fractures. Weak to moderate magnetism throughout the interval. Weak to locally moderate patchy Ep alteration. Minor reddish brown patchy K/Hem alteration. Mineralization: 0.5 to 2-3% Py fine-grained aggregates in some fractures, Ep-Carb veinlets; disseminated small cubic grains. EOH	

D-93-05			UTM coordinates			
Year drilled	Azimuth: 360°		East: 708738.62			
1993	Dip: -76.5°		North: 5490009.89			
	Length: 560.98m		Elevation: 297.83m			
Survey	From	To	Title	Summary	Description	Angle
D-93-05	0	65.6	Mort terrain	M-T	Overburden.	
D-93-05	65.6	399	0	0	not reviewed	
D-93-05	399	415	Basalte d'aspect gabbroïque; Fracturé(e); Altéré	V3B (I3A); FA; AE	Basalt, moderately, patchy fenitized and carbonatized. Mottled, dark greenish grey and of various shades of red and pink, fine to medium-grained with remnants of glomeroporphyritic textures. Reddish fenitized patches are dominated by K-feldspar replacing Plg aggregates. Frequent small, disseminated grains of leucoxene. The rock is moderately carbonatized; locally minor remnant epidote alteration. Magnetism: weakly to strongly magnetic. Structure: moderate to strong fracturing with carbonate and chlorite infilling. Some parts are weakly sheared, generally at low core angles. 403.1 m - a small shear zone, ~ 5 cm wide, foliated at 20CA. Mineralization: mostly traces Py; locally 1-2% Py fine to medium-grained aggregates. The lower contact is distinct, foliated at ~ 15-20CA (broken core).	
D-93-05	415	417	Volcanique felsique non divisé	V1	Felsic volcanic rock, felsite. Pale grey to medium beige-grey with some rusty and pinkish patches, very fine-grained to aphanitic, with occasional darker grey, small, subround phenocrysts (eyes). The matrix is siliceous, non-carbonaceous, moderately hard to scratch, with curved, conchoidal fracture surfaces. Magnetism: non-magnetic. Structure: weak fracturing with hairline to mm fractures filled by beige, pink and slightly rusty carbonate and locally by specular hematite. Fractures are generally oriented at 25-40CA. Stronger fracturing in the lower half of the unit. Mineralization: traces Py in the upper half of the unit, 0.5-1.5% Py as fine disseminated grains and fine-grained aggregates in fractures. Two samples taken across this unit, from 414.53 to 417.58 m, returned 0.47 and 1.66 g/t Au (over 1.5 m each sample). The lower contact is approximate (broken and missing core).	20
D-93-05	417	423	Basalte; Altéré	V3B; AE	Basalt (?), moderately to strongly fenitized and carbonatized. Mottled, dark brownish grey, dark grey, reddish, locally olive green, fine-grained to very fine-grained, strongly fenitized and patchy carbonatized. Fine specular hematite is present in some fractures, locally in the matrix. Unlike fenitized basalt above, there is no leucoxene and there are occasional roundish dark green and grey "eyes" (Chl, Qz, Carb, Py). Could be amygdaloidal basalt or, less likely, sediments. Magnetism: moderate to strong. Structure: 2-3% mm tension carbonate veinlets, often with crystals oriented perpendicular to the walls of veins. Mineralization: traces to 0.5% Py small disseminated subhedral grains and aggregates in some fractures and "eyes". The lower contact is rather distinct, at ~ 20CA (broken core).	
D-93-05	423	423.8	Chert; Fracturé(e)	S10; FA	Chert, strongly fractured, patchy fenitized. The rock is aphanitic, with conchoidal fracturing, medium grey to milky white with pink alteration patches, non-laminated, with localized white colloform structures. Magnetism: weakly to moderately magnetic due to the presence of fine-grained Mgt in fractures. Structure: strong irregular fracturing with Carb, Chl, Mgt, Hem infilling, dissolution along some fractures. Some parts are foliated at 15-20CA. Mineralization: mostly traces Py except the lower contact mineralized by 1% Py. No gold grades. The lower contact is distinct, at 15-20CA.	20
D-93-05	423.8	433.4	Basalte; Altéré	V3B; AE	Basalt, moderately to strongly fenitized and carbonatized. Mottled, dark grey, brownish grey, reddish, fine to medium-grained, massive, rather uniform in appearance, strongly fenitized and patchy carbonatized, with abundant fine disseminated leucoxene throughout. Secondary alteration minerals include K-feldspar, black mica, minor specular hematite. Magnetism: moderate to strong. Structure: 1-3% pink to beige-white, mm-cm tension veinlets filled by carbonate, gypsum, variably oriented, often discontinuous. Mineralization: traces to 0.5-1% Py as small disseminated subhedral grains and fine to medium-grained aggregates in some fractures; locally up to 2-3%. The lower contact is distinct, at 20CA. Fine disseminated Mgt grains were observed near the contact.	20

Survey	From	To	Title	Summary	Description	Angle
D-93-05	433.4	453.4	Volcanique felsique non divisé; Sédiments non divisé	V1; S	<p>Felsic volcanic rock, Rhyolite to Rhyodacite (?) or could be Cherty sediments.</p> <p>The rock is variable in colour, pale grey, medium grey, beige, in parts yellowish, sericitized. Rusty patches occur on the exposed surfaces. The matrix is siliceous, non-carbonaceous, moderately hard, very fine-grained to aphanitic, with conchoidal fracturing and frequent, irregular, chalcedonic silica veinlets. Tiny white feldspar grains are visible in some places. Weak pink hematite staining occurs along some fractures.</p> <p>Magnetism: mostly non-magnetic, locally slightly magnetic due to the presence of fine disseminated Mgt grains or fine-grained Mgt in some fractures.</p> <p>Structure: some parts are foliated at low core angles, 10-20CA.</p> <p>At 447 m, there are two slightly foliated, cm-wide bands at 20 and 25CA, which resemble pillow rims. The bands are crosscut by silica-carbonate-filled mm fractures with mm-cm displacements.</p> <p>Mineralization: traces to 1-2% Py very fine grains disseminated in the matrix, fine-grained aggregates in some fractures, occasional mm-cm pyrite nodules. Several samples within 434.34-441.96 m returned elevated gold values ranging from 0.09 to 0.28 g/t Au (over 1.5 m).</p> <p>At 451.4-451.9 m - fragments of dark greenish grey, carbonatized basalt with somewhat distinct contacts.</p> <p>The lower contact is somewhat distinct, marked by changes in colour, composition and carbonatization.</p>	20
D-93-05	453.4	464.7	Basalte; Altéré	V3B; AE	<p>Basalt, patchy fenitized and carbonatized.</p> <p>The upper portion, 453.4-455.5 m, is composed of basalt intermingled with 25% rhyolite. Basalt is dark grey-green, fine-grained, moderately carbonatized. Rhyolite is pale grey to beige, aphanitic, non-carbonaceous. The contacts are quite distinct but not sharp. The interval is non-magnetic to weakly magnetic. Traces Py.</p> <p>From ~455.5 m, basalt is mottled, patchy altered, fenitized, carbonatized, locally epidotized. The colour is typically dark grey to brownish grey with reddish and yellowish patches. The matrix is fine-grained, with occasional, small, round to subrounded, amygdule-like inclusions filled by grey Qz, Chl, Py, Ep, and Carb. Epidote alteration is limited to some fractures and irregular-shaped patches, which could be flow breccia.</p> <p>Magnetism: weakly to strongly magnetic due to irregularly-distributed, small, disseminated Mgt grains.</p> <p>Structure: fractured, mm-cm tension veinlets mainly filled by pinkish beige carbonate, at various angles,</p> <p>Mineralization: traces to 1% Py as fine to med-size, disseminated, euhedral to subhedral grains and medium-grained aggregates in some veins.</p> <p>The lower contact is approximate.</p>	
D-93-05	464.7	467.5	Chert; Sédiments non divisé; Altéré	S10; S; AE	<p>Cherty sediments, patchy fenitized, fractured.</p> <p>The interval has a mottled appearance, patchy altered. Sediments are fine-grained to aphanitic, strongly siliceous, sericitic, non-carbonaceous, finely-laminated and massive, with conchoidal fracturing. The colour is variable, pale to medium grey, beige, white, and dark brownish and reddish grey in fenitized parts. Some intervals are slightly coarser, dark greenish grey with reddish patches, resemble basalt but it could also be mafic greywacke. Minor patchy and fracture-filling epidote alteration.</p> <p>Magnetism: moderate to strong due to fine-grained Mgt in fractures. White sericitic interval (rhyolite?) is non-magnetic.</p> <p>Structure: angles in laminated parts are typically oriented at 30 to 55CA. The interval is strongly fractured, in parts brecciated. Millimetric tension veinlets, variably oriented, are filled by pink-beige carbonate and minor chlorite.</p> <p>Mineralization: traces to 1-2% Py fine disseminated grains, fine to medium-grained aggregates in fractures, occasional nodules.</p> <p>The lower contact is approximate (broken core).</p>	
D-93-05	467.5	469.95	Basalte	V3B	<p>Basalt to Magnesian Basalt.</p> <p>Dark green to grey, fine-grained with visible, paler grey, fine Plg grains and occasional subround amygdule-like inclusions. In the most parts, the matrix is very weakly carbonatized but near the lower contact is becomes strongly carbonatized. Weak reddish Hem alteration along some late fractures, minor patchy in the matrix.</p> <p>Magnetism: moderate to strong.</p> <p>Structure: numerous, mm-cm, tension veinlets mainly filled by beige-white carbonate.</p> <p>Mineralization: traces to 1% Py fine disseminated grains, in some amygdules and aggregates in some fractures.</p> <p>The lower contact is distinct, at 30CA.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-93-05	469.95	494.6	Sédiments non divisé; Volcanique felsique non divisé; Altéré; Cisailé	S; V1; AE; CS	<p>A Sedimentary or Felsic volcanic rock, patchy fenitized, sheared, heterogeneous. Maybe too heterogeneous for a volcanic rock.</p> <p>The rock is very mottled, variable in colour, pale grey, medium grey, beige-white. Frequent fenitized parts are dark brown (biotite-altered) and of various shades of pink-red (K-feldspar+Hem). Rusty patches occur on the exposed surfaces, mostly along fractures and carbonate veinlets. The matrix is siliceous, originally non-carbonaceous, moderately hard to scratch, very fine-grained to aphanitic, with conchoidal fracturing. Tiny white or grey feldspar grains are visible in non-fenitized parts. Some parts look laminated but it could be the foliation caused by shear.</p> <p>Dark brown fenitized parts are slightly coarser, patchy carbonatized and show subtle reaction to HCl (Fe-carbonate). These intervals could be altered basalt or mafic greywacke.</p> <p>Magnetism: mostly moderate to strong; in some parts weak. Magnetite mainly occurs as fine-grained aggregates in fractures, less commonly as fine disseminated grains.</p> <p>Structure: the interval is strongly fractured, in parts brecciated, locally foliated/sheared, boudinaged, drag folds.</p> <p>There are several generations of fractures:</p> <ol style="list-style-type: none"> 1) older fractures, generally oriented at 30-45CA; filled by grey silica, carbonate. 2) low-angle fractures and small shears, oriented at 0-20CA and crosscutting older fractures, sometimes with mm offsets; they also crosscut pyritized fractures; filled by dark mica, magnetite, pink and beige carbonate, silica. 3) late fractures and mm veinlets oriented at 45-80CA which crosscut low-angle fractures; typically filled by rusty-stained carbonate+/-quartz. <p>Mineralization: very irregularly distributed pyrite ranging from traces to 5-7%. Fine to med-size disseminated grains, aggregates in fractures, occasional nodules. No gold grades.</p> <p>The lower contact is distinct, foliated on the hanging side, at ~35-40CA.</p>	30
D-93-05	494.6	499.9	Basalte d'aspect gabbroïque	V3B (I3A)	<p>Basalt with gabbroic textures, epidotized. (Gabbroic sill?)</p> <p>Dark grey with paler yellowish epidotized patches, hard to scratch, rather uniform, fine-grained near both contacts but mostly medium-grained with gabbroic, ophitic textures. The aggregates of fine, yellowish, epidotized/saussuritized Plg grains surround larger, anhedral, dark green, partially chloritized, ferromagnesian grains. The matrix is generally very weakly carbonatized but it becomes strongly carbonatized near the lower contact. Weak pink hematite staining along some fractures and carbonate veinlets.</p> <p>Magnetism: moderate to strong.</p> <p>Structure: weak fracturing, minor mm tension veinlets mainly filled by carbonate.</p> <p>Mineralization: traces to 0.5-1% Py medium-grained aggregates in some fractures and veinlets.</p> <p>The lower contact is distinct at 35CA. Basalt is finer-grained, paler grey, chilled.</p>	37
D-93-05	499.9	511.35	Sédiments non divisé; Volcanique felsique non divisé; Altéré; Cisailé	S; V1; AE; CS	<p>A Sedimentary or Felsic volcanic rock, patchy fenitized, sheared, heterogeneous. Same as at 469.95-494.6 m.</p> <p>Mottled, dark brown (biotite-altered), red to pink (K-feldspar and Hem), dark to medium grey, greenish grey, beige-grey, whitish beige.</p> <p>Very fine-grained to aphanitic, cherty, slightly more granular in dark green and brown parts probably due to more mafic material.</p> <p>Magnetism: variable, weak to very strong.</p> <p>Structure: same as at 469.95-494.6 m, strong fracturing (at least three generations), locally brecciation, foliation/shear.</p> <ol style="list-style-type: none"> 1) older fractures at 35-45CA; 2) low-angle fractures and narrow shear bands at 0-20CA crosscutting older fractures with mm offsets; 3) younger fractures crosscutting other structures; typically oriented at high core-angles (50-75CA) and typically rusty-stained. <p>Mineralization: irregularly-distributed pyrite, from traces to 3-4% as fine to medium-grained aggregates in fractures, irregular masses, small, anhedral to subhedral, disseminated grains, and as occasional fine-grained nodules. No gold grades.</p> <p>The lower contact is strongly fenitized, hematitized, microfractured. It is rather distinct by changes in grain size and composition but there is a missing piece of core, so it is not possible to measure the angle.</p>	35

Survey	From	To	Title	Summary	Description	Angle
D-93-05	511.35	519.9	Basalte; Amygdalaire; Altéré; Fracturé(e)	V3B; AM; AE; FA	Basalt, amygdaloidal, patchy fenitized and epidotized, fractured. Very mottled, olive-green, dark grey, pink to red with numerous irregular, pinkish and beige veinlets. The matrix is fine to medium-grained, with round to elongate, mm-cm amygdules filled by bluish Qz, Carb and Ep. Moderate to strong, patchy fenitization (K/Hem), moderate patchy chloritization, epidotization, and carbonatization. Magnetism: moderate to strong. Structure: strong fracturing, numerous pinkish-beige, mm, carbonate tension gashes. Some parts are sheared at 15-20CA. Mineralization: 0.5-2% Py small, disseminated, subhedral grains and aggregates in fractures, veinlets. The lower contact is distinct, at 20CA.	
D-93-05	519.9	520.7	Chert; Sédiments non divisé	S10; S	Cherty sediments. Medium grey, very fine-grained to aphanitic, with conchoidal fracturing. At the upper contact, the rock is laminated with pink and dark greenish grey mm-cm bands/laminations at 20CA. The rest of the rock is massive, non-foliated. Magnetism: moderate due to Mgt in fractures and as fine, disseminated grains. Structure: moderate fracturing, different generations of fractures. Carb, Mgt, Chl in fractures. Mineralization: traces to 1% fine disseminated Py, in some fractures; at the lower contact 5% Py medium-grained aggregates along fractures. The lower contact is distinct, marked by a pyritized band at 50CA.	20
D-93-05	520.7	527.7	Basalte; Amygdalaire; Altéré; Fracturé(e)	V3B; AM; AE; FA	Basalt, amygdaloidal, patchy fenitized and epidotized, fractured. Very mottled, dark grey, pink to red with numerous irregular, pinkish and beige veinlets. The matrix is generally fine-grained but in some fenitized parts it is rather medium-grained (recrystallized feldspar). There are round to elongate, mm-cm amygdules filled by Ep, bluish Qz, and Carb. Moderate to strong, patchy fenitization (K/Hem), moderate patchy chloritization, and weak patchy epidotization and carbonatization. Magnetism: moderate to strong. Structure: numerous irregular fractures, tension gashes oriented at various angles and filled by pinkish beige carbonate+/-gypsum. Mineralization: 0.5 to 1-2% Py small, disseminated, subhedral to euhedral grains, in some fractures. Near the lower contact, at 527.4-527.7 m, the rock is strongly fenitized and epidotized, brecciated (crackle breccia) and cut by mm tension gashes (filled by carbonate and gypsum). Tension gashes are mainly oriented at 50-55CA. The lower contact is rather distinct, strongly deformed, at ~30CA. Tension gashes stop at the contact.	50
D-93-05	527.7	539.2	Sédiments non divisé; Chert; Basalte; Altéré; Fracturé(e)	S; S10; V3B; AE; FA	Fine-grained Sedimentary rocks, probably intercalated with minor Basalt, strongly fenitized. A very mottled interval, mainly composed of fine-grained to aphanitic sediments. The colour is variable, dark to medium grey, dark brown, pink, red, beige. Brown, red and pink colours are due to patchy, moderate to strong fenitization and hematization. Specular hematite is present in some fractures and locally in the matrix giving the rock bluish tinge. Some dark brown parts are carbonatized and could be basalt. At 529-530 m, there is such interval with a sharp contact with sediments undulating at 10-25CA. At 534.1-534.55 m, there is a beige-white, very siliceous, cherty rock, strongly fractured with rusty Carb infilling. It is followed by another brown, carbonatized interval (basalt) with fine leucoxene. 534.55-535.3 m. The contact between the two intervals is marked by a 3 cm wide, strongly sheared at 35CA, siliceous zone with 3-5% Py. Magnetism: moderate overall; the least altered sediments are weakly-magnetic. There are occasional Py+Mgt fine to medium-grained aggregates and cm bands. Structure: numerous hairline to mm fractures at various angles, mainly filled by pink-beige and rusty Carb and lesser dark mica, specular Hem. Some fractures are at 0-20CA. Locally weak foliation and laminations at 35CA. At 531.6-531.7 m - a small shear zone, foliated at 20CA with carbonate-filled tension gashes oriented at 45 to 90CA to the shear axis. 535.5-539.2 m - a sheared interval with weakly to moderately-developed foliation at 35-45CA. There are mm-cm, pale beige-white, cherty fragments (laminations?) stretched and boudinaged along the foliation in dark grey, fine-grained, siliceous matrix. Mineralization: traces to 1-2% Py as small, disseminated, subhedral grains, fine to medium-grained aggregates in some fractures, and as fine to medium-grained, irregular masses and cm-wide bands composed of Py+Mgt. Some Py+Mgt bands are oriented at 15-25CA. The lower contact is somewhat distinct, patchy fenitized (K-spar, Biot, Carb), at ~55-60CA.	30

Survey	From	To	Title	Summary	Description	Angle
D-93-05	539.2	548.1	Basalte	V3B	<p>Basalt, epidotized.</p> <p>Dark grey with paler yellowish epidotized patches, fractures and small, anhedral Plg grains in the groundmass, hard to scratch, rather uniform, fine-grained, locally slightly gabbroic, ophitic. The upper portion, 539.2-541 m, is patchy carbonatized, with weak pink Hem staining on Carb veinlets and patches in the matrix, and fine disseminated leucoxene. From 541 m, the rock becomes epidotized with minor carbonate and gypsum in fractures.</p> <p>Magnetism: moderate to strong. Very fine-grained, irregular Mgt masses, along some fractures.</p> <p>Structure: weak fracturing with epidote infilling, minor pink-white veinlets composed of carbonate and gypsum.</p> <p>Mineralization: traces to 0.5% Py fine to medium-grained aggregates in some fractures and veinlets.</p> <p>The lower contact is somewhat distinct, with red patchy alteration, strongly magnetic; broken.</p>	57
D-93-05	548.1	558.4	Sédiments non divisé	S	<p>Fine-grained sediments composed of mafic material, greywacke.</p> <p>The upper 20-cm long interval near the upper contact is patchy red, fenitized/hematized with black mica and Amph or Px, strongly magnetic, strongly fractured with minor carbonate. Fenitized interval is followed by 25-30 cm of a very siliceous rock, could be cherty sediments.</p> <p>Overall, the unit is very uniform in appearance, homogenous. It is dark grey to greenish grey, very fine-grained, massive, densely packed, with patchy carbonatized fine Plg grains in the matrix. It breaks with semi-conchoidal fractures.</p> <p>Magnetism: weakly to moderately magnetic due to fine, disseminated, euhedral Mgt grains.</p> <p>Structure:</p> <p>548.5-556.5 m - a competent rock with minor fractures.</p> <p>556.5-557.7 m - a pale yellowish grey, sericitized and silicified or siliceous, cherty interval with several white Qz veinlets and a 15 cm long Qz vein with minor Fe-Carb. The interval is foliated/sheared at 25-40CA and mineralized by 3-5% Py disseminated grains and aggregates.</p> <p>557.7-558.4 m - 2% Qz-Carb mm-cm veinlets, variably oriented, at a wide range of angles (15-90CA), sometimes folded.</p> <p>Mineralization: 1-3% Py small, disseminated, subhedral to anhedral grains; medium-size cubic grains in some fractures. At 556.5-557.7 m - 3-5% Py in a bleached, sheared section.</p> <p>The lower contact is approximate.</p>	
D-93-05	558.4	560.98	Basalte	V3B	<p>Basalt.</p> <p>Dark green-grey, fine-grained, chloritized basalt with fine leucoxene. In the upper portion, the matrix is grey-beige, slightly bleached around Qz-FeCarb veinlets.</p> <p>Magnetism: weakly to moderately magnetic.</p> <p>Structure: in parts sheared with weakly-developed foliation at 25-35CA.</p> <p>Mineralization: 0.5-2% Py small, disseminated, subhedral to euhedral grains, medium to fine-grained aggregates in some fractures, veinlets, along the foliation planes.</p> <p>EOH</p>	

D-93-06			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709168.63			
1993	Dip: -65°		North: 5490042.89			
	Length: 392m		Elevation: 300.02m			
Survey	From	To	Title	Summary	Description	Angle
D-93-06	0	81.39	Mort terrain	M-T	Overburden.	
D-93-06	81.39	85.5	Komatiite; Basalte magnésien; Cisaillé	V4A; V3F; CS	An Ultramafic rock or Mg-Basalt, sheared, serpentinized. The rock is rather uniform, medium to dark green-grey, pervasively serpentinized, chloritized (?) and talcose in some parts, moderately soft to scratch, fine-grained. The matrix is non-carbonaceous/non-carbonatized; minor carbonate is present in some fractures. XRF shows elevated Mg, Cr and Ni, and low silica in the matrix. Magnetism: moderately magnetic; weaker magnetism near the lower contact. Magnetite occurs as fine disseminated grains and fine streaks in the foliation planes. Structure: the interval is sheared with weakly to well-developed foliation at 27-35CA. At 85 m - crackle brecciation, blocky core. Mineralization: traces to 0.5% Py small disseminated subhedral grains. Some grains are stretched along the foliation. The lower contact is distinct, at 47-50CA.	
D-93-06	85.5	86.5	Basalte magnésien; Variolaire; Komatiite; Cisaillé; Altéré	V3F; VAR; V4A; CS; AE	A strongly sheared and highly carbonatized interval within the Ultramafic rock or Mg-Basalt with remnant variolitic textures. This interval is very mottled, pale grey, olive, beige, reddish, with dark green-grey remnants of the original rock. Most parts are strongly carbonatized (calcite), fine to medium-grained, foliated, resemble sheeted carbonate veins. The matrix in remnant parts is serpentinized and patchy epidotized. Small varioles seen in such parts are yellowish due to epidotization. Minor reddish hematite in fractures. Minor yellowish beige sericitic fibres along the foliation. Magnetism: moderate. Structure: most parts are well-foliated at 45 to 60CA (mainly 50CA). Mineralization: traces to 0.5% Py small disseminated grains. The lower contact is quite distinct by compositional changes but the core is broken. The contact angle is approximately at 60-65CA.	48
D-93-06	86.5	88.5	Komatiite; Cisaillé	V4A; CS	Continuation of the sheared, serpentinized and talcose Ultramafic rock. The rock is dark grey to greenish grey, pervasively serpentinized, soft, fine-grained. At 87.8-88.5 m - talc schist. Magnetism: moderately to strongly magnetic. Structure: strongly sheared with foliation developed at 35-42CA. Mineralization: traces to 1% Py small disseminated cubic grains. The lower contact is arbitrary, marked at the end of strong shearing.	62
D-93-06	88.5	94	Komatiite	V4A	Continuation of the Ultramafic rock, more competent, much less sheared. Picritic basalt? The rock is dark purplish grey to black, uniform, pervasively serpentinized, fine-grained, aphyric, equigranular, with distinct white-grey specks (probably Plg), moderately soft to moderately hard to scratch, non-carbonaceous/non-carbonatized. XRF shows high Mg and elevated Cr and Ni. Magnetism: moderate to strong throughout the unit. Structure: the interval is weakly fractured with fractures variably oriented at angles ranging from 5 to 35CA. Fractures are filled by talc, chrysotile-asbestos and minor carbonate (weakly fizzing in HCl). Fractures often have slickensided surfaces. Mineralization: traces of disseminated, small Py grains. The lower contact is not sharp but quite distinct by changes in colour - purplish black changes to brownish green-black.	
D-93-06	94	102.8	Basalte magnésien; Variolaire	V3F; VAR	Mg-Basalt with variolitic textures. The rock has a rather chaotic appearance. The matrix is fine-grained, dark grey-green, pervasively chloritized, moderately hard to scratch, may contain minor serpentine. Varioles are lighter colored than the matrix, pale greenish grey, range from mm to 1-2 cm in size and often form coalesced clusters. The rock may well be pillowed but the obvious pillow margins were not observed. Minor biotite occurs in some fractures, locally in the matrix (dark brown to black coloration) and in the contact areas. Magnetism: non-magnetic to weakly magnetic. Structure: moderate irregular fracturing and veining at various angles. Fractures are mainly filled by white carbonate (calcite) and lesser epidote. Some fractures have rusty stains and dissolution cavities. At 102.2-102.8 m - a group of carbonate veinlets oriented at 35-37CA. Mineralization: traces to 0.5% Py small disseminated grains, locally 1-2% Py in some carbonate veins and fractures. The lower contact is approximate, gradational over ~20-25 cm; distinct by changes in appearance and texture.	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	102.8	106.1	Komatiite	V4A	An Ultramafic rock, massive, without variolitic textures, possibly picritic sill. The interval is uniform in appearance, dark greenish grey to green-black, fine-grained, aphyric, massive, pervasively serpentinized and chloritized/amphibolized, non-carbonaceous/non-carbonatized, moderately hard to scratch. XRF shows high Mg and elevated Cr and Ni. Magnetism: weakly magnetic throughout the unit. Structure: a competent rock with a few fractures. Serpentine in occasional fractures, sometimes with slickenside striations. Mineralization: traces pyrite fine disseminated grains and occasionally in some fractures. The lower contact is somewhat distinct, with foliated serpentine/chlorite fibres oriented at 30-35CA.	
D-93-06	106.1	111.2	Basalte magnésien; Variolaire	V3F; VAR	Mg-Basalt with variolitic textures, same as at 94-102.8 m. The rock has a rather chaotic appearance. The matrix is fine-grained, dark grey-green, pervasively chloritized, hard to scratch, may contain minor serpentine. Varioles are lighter colored than the matrix, pale greenish grey, range from mm to 1-2 cm in size and often form coalesced clusters. Magnetism: non-magnetic to weakly magnetic. Structure: moderate irregular fracturing and veining at various angles. Fractures are mainly filled by epidote and white carbonate (calcite). Common dissolution cavities along fractures and veins. Mineralization: traces to 0.25% Py small disseminated grains, locally 1-2% Py in some fractures. The lower contact is somewhat distinct, may have a very narrow chill margin.	32
D-93-06	111.2	126.3	Komatiite	V4A	An Ultramafic rock, massive, without variolitic textures, possibly picritic sill; same as at 102.8-106.1 m. The interval is uniform in appearance, dark greenish grey to green-black, fine-grained, aphyric, massive, pervasively serpentinized and chloritized/amphibolized, non-carbonaceous/non-carbonatized, moderately hard to scratch. XRF shows high Mg and elevated Cr and Ni. Magnetism: non-magnetic in the upper portion, weakly to moderately magnetic in the lower. Structure: a competent rock with minor fractures. Serpentine in occasional fractures. At 114.5-117 m - several fractures at 5-20CA filled by epidote and calcite, slickenside striations. Mineralization: trace to 0.5-1% Py small disseminated cubic grains, locally fine to med-size grains in fractures. The lower contact is approximate, gradational over 10-20 cm.	
D-93-06	126.3	132.3	Basalte magnésien; Variolaire	V3F; VAR	Mg-Basalt with variolitic and spinifex textures, same as at 94-102.8 m. Mottled, chaotic appearance, dark to medium grey-green fine-grained matrix with groups of paler small varioles. Epidote and lesser carbonate in fractures. Black serpentine in some fractures, mainly in the lower parts of the interval. From 129.9 m to 132.3 m - quench textures with small, sheaf-like aggregates of black, acicular crystals, mini-spinifex. Magnetism: non-magnetic to weakly magnetic. Structure: weak to moderate fracturing at various angles. Mineralization: trace to 0.5-1% Py small disseminated cubic grains, locally fine to med-size grains in fractures. The lower contact is approximate, gradational over 10-15 cm; spinifex textures were not observed after the contact zone.	
D-93-06	132.3	135.6	Komatiite	V4A	An Ultramafic rock, massive, without variolitic textures, possibly picritic sill. The rock is rather uniform, dark greenish grey to green-black, serpentinized, massive, fine to medium-grained, moderately hard to scratch. Some parts have slightly coarser, gabbroic textures formed by pale greenish grey, fine-grained Plg masses surrounding black, serpentinized ferromagnesian grains (Ol, Px). Magnetism: non-magnetic. Structure: a competent, massive rock with minor fractures. Serpentine in occasional fractures, very minor epidote. Mineralization: traces to 0.5% Py. The lower contact is approximate, gradational over 30 cm.	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	135.6	152.65	Basalte magnésien; Variolaire	V3F; VAR	<p>Mg-Basalt with variolitic textures, same as at 94-102.8 m.</p> <p>The rock has a rather chaotic appearance. The matrix is fine-grained, dark grey-green, pervasively chloritized, hard to scratch, may contain minor serpentine. Varioles are lighter colored than the matrix, pale greenish grey, range from mm to 1-2 cm in size and often form coalesced clusters. May be pillowed.</p> <p>Magnetism: mostly non-magnetic. The rock is weakly magnetic in a fractured section with purplish grey carbonate veinlets which contain fine Hem+/-Mgt.</p> <p>Structure: The upper portion is weakly fractured with epidote and carbonate infilling.</p> <p>From 146 to 150 m - strong irregular fracturing, brecciation, a stockwork of 5-10% irregular veinlets. There are two distinct types of veins: 1) yellowish-pink-beige-white epidote+carbonate veinlets, irregular, often partially dissolved, mm to 1-2 cm wide; and 2) greyish white carbonate veinlets with a purplish tint due to fine hematite+/-magnetite inclusions, mm to 1-2 cm wide. Purplish carbonate veinlets appear younger than yellowish epidote-bearing veinlets.</p> <p>150-152.65 m - weak irregular fracturing at low core angles (5-15CA), epidote-carbonate infilling.</p> <p>Mineralization: trace to 0.5-1% Py fine to medium-grained aggregates in some fractures, minor disseminated grains, locally 2% Py.</p> <p>The lower contact is rather distinct, not sharp, at ~50CA. Distinct textural changes.</p>	
D-93-06	152.65	154.4	Komatiite	V4A	<p>An Ultramafic rock, massive, without variolitic textures, serpentinized, possibly picritic sill.</p> <p>Dark grey-green to black-green, massive, fine to medium-grained, uniform in appearance, pervasively serpentinized.</p> <p>Magnetism: non-magnetic.</p> <p>Structure: a competent, massive rock; a few Carb-dominant veinlets and fractures oriented at low core angles (0-15CA).</p> <p>Mineralization: traces fine disseminated Py grains; 0.5-1% Py fine to medium-grained aggregates associated with Carb veinlets.</p> <p>The lower contact is approximate (broken core). Distinct textural changes.</p>	50
D-93-06	154.4	162.3	Basalte magnésien; Variolaire	V3F; VAR	<p>Mg-Basalt with variolitic textures.</p> <p>Mottled, chaotic appearance, dark to medium grey-green fine-grained matrix with groups of paler small varioles. Carbonate in fractures, no epidote.</p> <p>Magnetism: variable - non-magnetic to moderately magnetic. Sheared parts tend to be more magnetic.</p> <p>Structure:</p> <p>162.5-159 m - weakly to moderately fractured with irregular, fragmented, mm-cm veins composed of white calcite. Several calcite-dominant veinlets are oriented at 20-30CA.</p> <p>159-161.7 m - sheared with weakly to moderately-developed foliation at 20-30CA; white calcite veinlets are often parallel to the foliation.</p> <p>161.7-162.3 m - strongly to moderately fractured with 5-7% irregular, fragmented, mm-cm veins/tension gashes composed of white calcite.</p> <p>Mineralization: traces fine disseminated Py grains; 0.5-1% Py fine to medium-grained aggregates associated with Carb veinlets.</p> <p>The lower contact is approximate (broken and probably misplaced core). Distinct changes in texture and colour.</p>	
D-93-06	162.3	168.5	Komatiite	V4A	<p>An Ultramafic rock, massive, without variolitic textures, serpentinized, possibly picritic sill; same as at 88.5-94 m.</p> <p>The rock is dark purplish grey to black, uniform, pervasively serpentinized, talcose in some parts, fine-grained, aphyric, equigranular, with distinct white-grey specks (probably Plg), moderately soft, non-carbonaceous/non-carbonatized. XRF shows high Mg and elevated Cr and Ni.</p> <p>Magnetism: moderate to strong throughout the unit.</p> <p>Structure: in most parts it is a competent, massive rock.</p> <p>162.5-162.8 m - a shear (fault?) zone, talc schist, foliated at 15-25CA.</p> <p>167.0-167.4 m - a low-angle fracture (5CA) with slickenside striations on its surface which are approximately perpendicular to the core axis.</p> <p>Mineralization: traces to 0.5% Py small disseminated subhedral grains and fine to medium-grained aggregates in some fractures. Possibly traces Po, Cpy.</p> <p>The lower contact is approximate (broken core). Distinct changes in texture and colour.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	168.5	198	Basalte magnésien; Komatiite; Variolaire	V3F; V4A; VAR	<p>Mg-Basalt to Ultramafic with variolitic and spinifex textures.</p> <p>The matrix is fine-grained, dark grey-green, serpentinized and probably chloritized, moderately soft to moderately hard to scratch. From 172 to 180.7 m, there are quench textures with small, sheaf-like aggregates of black, acicular crystals, mini-spinifex in a very fine-grained to aphanitic matrix. Varioles are small, less than 1 cm, forming occasional groups. From 180.7 m, the matrix becomes slightly coarser, with more common varioles and without acicular crystals. Possibly pillowed.</p> <p>Magnetism: variable - non-magnetic to moderately magnetic.</p> <p>Structure:</p> <p>168.5-171.5 m - strong fracturing, numerous carbonate-dominant veins and tension gashes (calcitic) with abundant dissolution cavities. Veins are mainly oriented at 2-10CA, whereas the adjacent tension gashes are at 45-80CA to these low-angle veins.</p> <p>171.5-180.7 m - weak to moderate fracturing and carbonate veining at 2-20CA and 45-80CA.</p> <p>180.7-198 m - moderate to strong fracturing, numerous carbonate-dominant veins and tension gashes with frequent dissolution cavities. Angles range from 0 to 90CA. Trace REEs in some veins. Weak reddish hematite stains on some veins. Several intervals within this fractured zone are sheared/foliated.</p> <p>At 185.9-186.3 m - weak-moderate foliation/sheared and Carb veining at 50-55CA.</p> <p>At 196 -196.6 m - a shear zone with well-developed foliation at 42-50CA.</p> <p>Mineralization: traces to 0.5% Py small subhedral to anhedral grains in some varioles, disseminated in the matrix, in fractures; 1-2% Py small cubic grains in some carbonate veins. The lower contact is distinct by changes in texture but the core is broken.</p>	
D-93-06	198	202.3	Komatiite; Cisailé	V4A; CS	<p>An Ultramafic rock, fractured and sheared, serpentinized pyroxenite?</p> <p>The rock is medium-grained, distinctly coarser than all of the above lithological units. It is composed of dark greenish grey tabular to prismatic crystals (pyroxenes?), which are now fully or partially altered to serpentine, and anhedral Plg. The interstices are also serpentinized and weakly carbonatized (calcite). From ~200 to 202.3 m, the rock is strongly carbonatized and contains some buff specks of disseminated leucoxene. Its exposed surface has brownish tinge due to iron oxidation.</p> <p>Magnetism: moderate.</p> <p>Structure: the upper portion is strongly fractured and the lower is sheared.</p> <p>198-201 m - strong fracturing, carbonate-dominant veining and some brecciation. The veins/tension gashes are mm to cm wide, irregular, discontinuous, fragmented, variably oriented at 0 to 90CA. Carbonate crystals are often grown perpendicular to the vein margins.</p> <p>201-202.3 m - a strongly sheared interval, well-foliated at 30CA; strongly serpentinized, carbonatized, magnetic.</p> <p>Mineralization: 0.5-2% Py small to med-size subhedral grains associated with carbonate veins; 1% Py disseminated in the sheared portion.</p> <p>The lower contact is somewhat distinct by changes in texture (the rock becomes fine-grained).</p>	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	202.3	224	Basalte magnésien; Variolaire; Fracturé(e)	V3F; VAR; FA	<p>Mg-Basalt with variolitic textures, strongly fractured.</p> <p>The rock is dark green-grey with localized groups of lighter-colored varioles. Varioles are mm-cm in size, sometimes coalesced into larger clusters. The matrix is fine-grained, pervasively chloritized and patchy to pervasively serpentized. Serpentine decreases downhole.</p> <p>At 212-220 m, there is weak to moderate epidotization and weak red hematitization along fractures, patchy. Varioles in this interval are also epidotized.</p> <p>From ~220 m, the rock becomes patchy fenitized, patchy carbonatized, with fine specular hematite in fractures and matrix. Epidote disappears. The colour of the rock is mottled dark grey, brownish red. XRF shows elevated K (3000-5000 ppm) in reddish spots. Varioles appear red-pink, also fenitized.</p> <p>Magnetism: moderate; moderate to strong in the fractured and epidotized zone.</p> <p>Structure: the interval is moderately to strongly fractured, locally sheared.</p> <p>202.3-206.2 m - moderate fracturing and shearing with weakly to moderately-developed foliation at 35-45CA; <1% carbonate tension veinlets.</p> <p>206.2-212 m - strong irregular fracturing, numerous tension gashes filled by carbonate, locally brecciation and locally weakly to moderately-developed foliation at 40-50CA. Carbonate veins are often oriented parallel to the foliation.</p> <p>212- 220 m - a highly fractured, shattered zone with core pieces less than 1 dm long, RQD<10%. Groups of tightly-spaced fractures without coating are oriented at 40 to 75CA and cut through the older structural elements (foliation, tension gashes) without visual displacements. Older fractures and tension gashes are filled by carbonate and epidote and often have dissolution cavities.</p> <p>220-224 m - moderate to strong fracturing, irregular mm tension gashes mainly filled by pinkish beige carbonate.</p> <p>Mineralization: 202.3-205.8 m - variably distributed pyrite, traces to 3-5% fine to medium-size, disseminated, cubic grains and fine to medium-grained aggregates in some fractures, foliation planes.</p>	
D-93-06	224	238	Basalte magnésien; Cisaillé; Altéré	V3F; CS; AE	<p>SHEAR ZONE, MINERALIZED ZONE</p> <p>Strongly sheared Mg-Basalt (variolitic??), strongly Fe-carbonatized.</p> <p>Strong rusty iron oxidation on the exposed core surface. On fresh cuts and breaks, the rock is mottled, grey, black, pinkish, beige. The original textures are mostly destroyed, yet locally, there are small elongate red features which may well be fenitized varioles stretched along the foliation. Shear bands contain fine specular hematite, possibly black mica, sericite, carbonate/Fe-carbonate, feldspars (red and grey).</p> <p>Magnetism: mostly non-magnetic with a few occasional weakly magnetic spots.</p> <p>Structure: The rock is well-foliated at 25-30CA. White to colorless Qz veinlets, mm-cm wide, crosscut the foliation at various angles and sometimes occur parallel to shear bands. Some Qz veins are folded. Specular hematite often accompanies quartz veins and also occurs in late tension gashes.</p> <p>A few late fractures crosscut the foliation at 10 to 40CA, filled by bright orange mineral (Ti and V-bearing), fine crystals of baryte and carbonate.</p> <p>Mineralization: 0.5 to 2% Py small disseminated subhedral to euhedral grains, fine-grained aggregates in foliation planes, fractures. Three samples returned slightly elevated gold grades: 0.10-0.14 g/t Au (over 1.5 m each sample).</p> <p>The lower contact is arbitrary, marked at the end of intense shearing.</p>	
D-93-06	238	251.4	Basalte magnésien; Fracturé(e); Altéré	V3F; FA; AE	<p>Continuation of Mg-Basalt, strongly fractured, patchy fenitized and carbonatized (without rusty alteration).</p> <p>The rock is dark grey to dark greenish grey with pink and reddish patches of K/Hem alteration. The matrix is fine to medium-grained, without distinct primary textures. The patchy distribution of red-pink fenitized/Kspr-altered lump-like fine-grained masses may suggest that originally this interval or some part of it had variolitic textures. Less fenitized parts are dark green-grey, serpentized, chloritized. Fenitization is accompanied by moderate to strong carbonatization throughout the interval. Pinkish white to beige carbonate veinlets readily react to HCl, so they are calcitic.</p> <p>Magnetism: variable, weak to strong.</p> <p>Structure: strong fracturing, irregular tension gashes filled by carbonate, locally weakly to moderately-developed foliation at 25-30CA. Common dissolution cavities along carbonate fractures/veinlets.</p> <p>Mineralization: 0.5 to 3% Py small disseminated ubhedral grains, fine to medium-grained aggregates in some fractures and foliation planes. No gold grades.</p>	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	251.4	254.25	Basalte magnésien; Fracturé(e); Altéré	V3F; FA; AE	Continuation of Mg-Basalt, carbonatized, slightly bleached. From ~251.4 m, patchy reddish fenitization decreases and disappears, while the intensity of carbonatization increases. The rock becomes moderately bleached, medium grey to beige-grey, non-magnetic, with fine disseminated buff specks of leucoxene. Weak to moderate rusty stains on the exposed core surface. Towards the end of the unit, calcite is replaced by Fe-carbonate (weaker reaction to HCl, weak bluish staining to potassium ferricyanide test). Structure: moderate irregular fracturing. Mineralized by 1-3% Py fine to medium-grained aggregates in fractures. At 254 m, there is an abrupt stop in carbonatization, which could mark the contact with clastic fine-grained sediments. Otherwise, at 254.25 m there is a distinct contact at 35CA with laminated fine sediments and chert.	
D-93-06	254.25	257.55	Sédiments non divisé; Chert; Folié	S; S10; FO	Chert and fine-grained sediments, well-foliated. The interval is composed of interlayered yellowish sericitic chert, black graphitic argillite and pale to medium grey, sericitic mudstone. Chert and graphitic argillite are well-foliated with sub-mm to cm parallel bands/laminations, whereas mudstone is massive, non-foliated. Magnetism: non-magnetic. Structure: chert and graphitic argillite are well-foliated at 35-45CA, microfractured. Foliation angles become slightly steeper near the lower contact, at 50-55CA. Mineralization: abundant pyrite in the graphitic argillite in the form of round and elongate nodules, fine-grained bands. Traces Sph and Cpy. Chert and mudstone are much less mineralized by fracture-filling pyrite. The only sample that returned slightly elevated gold values (0.10 g/t Au) corresponds to mineralized graphitic argillite. The lower contact is distinct at ~55CA, marked by a 15 cm long interval composed of black to brown-black, very fine-grained, carbonatized and strongly magnetic rock, mineralized by 5-7% Py in the form of small to coarse, disseminated cubic grains.	35
D-93-06	257.55	259	Basalte; Basalte magnésien; Altéré	V3B; V3F; AE	Basalt/Mg-Basalt, carbonatized, slightly bleached. The rock is fine-grained, medium grey to greenish grey with buff patches of moderate iron oxidation. The matrix is moderately carbonatized, in some parts weakly chloritized. Locally, there are small prismatic crystals in the matrix, randomly oriented, probably amphiboles. Magnetism: non-magnetic. Structure: weak to moderate irregular fracturing with carbonate infilling. Mineralization: 1-3% Py small to medium-size cubic grains, disseminated and as aggregates. No gold grades. The lower contact is arbitrary, marked at the beginning of fenitization.	55
D-93-06	259	268	Basalte; Basalte magnésien; Cisaillé; Altéré	V3B; V3F; CS; AE	Basalt/Mg-Basalt, fenitized, fractured, in parts sheared. The rock is dark brown with reddish patches, moderately, pervasively to patchy fenitized (biotite, K-fsp, tiny prismatic black minerals - secondary Amph or Px)? and carbonatized (probably calcite to Fe-calcite) with minor rusty oxidation along fractures and carbonate veinlets. Closer to the lower end of the interval, from ~ 265.5 m, the rock is dark green-grey, less fenitized (patchy), more pervasively chloritized and probably serpentized. The matrix is fine-grained with some slightly coarser grains of secondary K-feldspar. Magnetism: continuous, weak to moderate. Structure: moderate irregular fracturing with fractures/mm veinlets mainly filled by beige carbonate. Common dissolution cavities along fractures. Veinlets are often oriented at 30-40CA. Some intervals show shear-induced foliation at 35 to 45CA. 264.7-265.5 m - a sheared, strongly fenitized interval with weakly to moderately-developed foliation at 35-40CA. 267.5-267.7 m - a strongly sheared interval with minor gougy flakes, well-foliated at 40-45CA. Mineralization: 0.5-2% Py small disseminated cubic grains, aggregates in some fractures. At 264.7-265.5 m - 5-7% Py medium-grained aggregates in sheared parts. No gold grades. The lower contact is arbitrary, marked at the end of fenitization.	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	268	293	Basalte d'aspect gabbroïque; Fracturé(e)	V3B (I3A); FA	<p>Basalt with gabbroic textures, fractured.</p> <p>The rock is medium to dark greenish grey with glomeroporphyritic textures which give it a spotted appearance. Yellowish white, saussuritized plagioclase aggregates/glomerocrysts surround dark grey-green pyroxene grains (now replaced by chlorite, secondary amphiboles). Disseminated beige-grey leucoxene throughout the unit.</p> <p>Magnetism: mostly non-magnetic except a few localized fenitized spots in upper parts.</p> <p>Structure: moderate fracturing, tension veins, some intervals are sheared at 35 to 50CA. RQD 50-70%. Frequent dissolution cavities along veins. Fractures are filled by carbonate, epidote, earthy red hematite, minor chlorite, baryte. Tension veins are mm-cm wide, variably oriented, often at 40-55CA. Another set of veinlets, less common, is oriented at 5-20CA. Strongly sheared intervals are typically less than 50 cm in length.</p> <p>Mineralization: traces to 1% Py fine disseminated grains, in some veins.</p> <p>From 288.5 m, there is weak patchy red K/Hem alteration (fenitization) and carbonatization. The intensity of epidote alteration decreases.</p> <p>At 293 m, the rock becomes highly fractured, sheared, fenitized (mostly biotite) and mineralized by 2-5% Py. It is possible that gabbroic basalt grades into the lower pyroxenite but the fenitized zone obscures this transition.</p>	
D-93-06	293	295	Komatiite; Altéré	V4A; AE	<p>An Ultramafic rock, patchy to pervasively fenitized and serpentized.</p> <p>This is a transitional interval from glomeroporphyritic basalt to an ultramafic volcanic rock, possibly picritic basalt. XRF shows higher Mg content compared to basalt above suggesting a rather ultramafic composition.</p> <p>The rock is dark brown, pervasively to patchy fenitized (biotitized), fine-grained with slightly coarse reddish feldspar grains. The intensity of fenitization decreases downhole along with an increasing serpentization.</p> <p>Magnetism: the upper parts are moderately to strongly magnetic. The intensity of magnetism gradually decreases with depth.</p> <p>Structure: at 293-293.5 m - a sheared and fractured interval with white Carb veins injected into foliation planes. The main foliation angles are 35-45CA but there is also a piece of core with near horizontal core angles and folded Carb veins. The rest of the interval is faintly foliated at 35CA.</p> <p>Mineralization: the upper sheared interval is mineralized by 2-5% Py fine to med-size subhedral to euhedral disseminated grains. In the lower parts of this interval, pyrite decreases to 1% as fine disseminated grains.</p> <p>The lower end of the interval is approximate.</p>	
D-93-06	295	336.1	Komatiite	V4A	<p>An Ultramafic rock, could be picritic basalt, weakly to moderately serpentized.</p> <p>The interval is rather uniform in appearance, dark greenish grey, medium-grained with a ghostly texture which resembles glomeroporphyritic texture in basalt above. The matrix is moderately hard, composed of small black-green needles (amphibole, pyroxene), pale greenish grey Plg grains and fine-grained masses, serpentized grains (olivine, Px), fine beige specks of leucoxene and minor carbonate grains. Non-magnetic till 327.5 m.</p> <p>From 327.5 m, the rock becomes slightly finer-grained, weakly to moderately magnetic, increasingly carbonatized (calcite) and patchy fenitized (reddish patches), fractured and sheared.</p> <p>Structure: the interval is mostly massive, non-fractured, crosscut by occasional calcite tension mm veinlets (<1%); some parts are weakly to moderately sheared.</p> <p>296.5-297 m - weakly sheared at 15-25CA. A fracture at 3-10CA crosscuts a tension veinlet oriented at 35CA.</p> <p>300.5-300.6 m - a fault zone: broken core with loose gougy flakes; some larger pieces of the core show foliation at 40-45CA.</p> <p>305.5-306.2 m - weakly to moderately sheared at 25-30CA.</p> <p>320.8-325.2 m - several parallel Carb mm-cm veinlets at 15-22CA.</p> <p>327.5-332 m - a moderately fractured interval with 3-5% white Carb mm-cm veinlets at 20 to 50CA (mainly 25-30CA).</p> <p>332-336.1 m - increasing intensity of fracturing and shearing at 15-25CA.</p> <p>Mineralization: traces disseminated Py. At 299-299.5 m - weak patchy reddish fenitization with 0.5-1% Py.</p> <p>From 327.5 m, traces to 0.5-2% Py small disseminated cubic grains.</p> <p>The fractured and increasingly bleached and fenitized zone at the bottom of ultramafics (330-337 m) returned elevated gold grades ranging from 0.27 to 0.58 g/t Au (over 1.5 m samples).</p>	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	336.1	337	Komatiite; Cisaillé; Altéré	V4A; CS; AE	Continuation of the Ultramafic rock, strongly fenitized and strongly sheared. The rock is dark red-brown, pervasively fenitized (K-feldspar, hematite, probably biotite, secondary Amph and possibly Px) and carbonatized (calcite), fine to medium-grained. Fine disseminated leucoxene throughout. Green streaks along the foliation could be remnant serpentine, chlorite or secondary amphiboles. Magnetism: mostly non-magnetic with a few magnetic spots. Structure: well-foliated/sheared at 20-25CA. The foliation fabrics are crosscut by fractures/tension gashes filled by Carb and green chlorite. Mineralization: 0.5-1% Py small disseminated subhedral grains. Elevated gold grades. The lower contact is distinct, sheared, at 25CA.	
D-93-06	337	339.3	Chert; Cisaillé	S10; CS	Chert, strongly sheared, patchy fenitized. Chert is laminated, aphanitic, mottled pink, red, grey, white, with sericitic fine fibres and specks along the foliation. The laminations are sub-mm to 1-2 cm wide, with stylolitic boundaries, and are oriented perpendicular to the core axis. Some parts are very fine-grained, massive. Some parts are composed of very fine sediments, dark brown, strongly fenitized. Magnetism: mostly non-magnetic with a few magnetic Mgt+Py bands parallel to the laminations. Some low-angle fractures contain Mgt and minor specular Hem. Structure: 337.0-337.8 m - a set of parallel fractures crosscut the laminations at 15-25CA without or with mm displacements. Laminations are at 85-90CA. Fractures are filled by grey silica, white to rusty Carb/Fe-Carb and grey-green fine-grained aggregates (chlorite?). 337.8-343.6 m - stronger fracturing subparallel to the core axis, at 0-10CA. Laminations are more intensely fractured with mm to cm displacements. These low-angle fractures crosscutting laminations are filled by dark brown fine material, probably biotite+carbonate, also grey silica and some contain Py+/-Mgt. At 338-338.3 m - a pyritized shear/microfault fracture at 5CA which crosscuts a Py+Mgt band (parallel to laminations) with a 10 cm displacement (photo). Mineralization: 3 to 15% fine to med-size disseminated subhedral to anhedral grains, medium-grained Py aggregates with or without Mgt in fractures and as 1-2 cm wide bands. Possibly two generations: 1) fine disseminated grains in chert matrix and 2) later aggregates in fractures. This interval (chert) returned 0.84 and 0.21 g/t Au (over 1.5 m samples). The highest grade of 0.84 g/t Au corresponds to a mineralized upper contact zone between fenitized ultramafics and chert. The lower contact with the sediment-dominant portion is approximate.	25
D-93-06	339.3	343.6	Sédiments non divisé; Chert; Cisaillé	S; S10; CS	Fine-grained sediments (mudstone to siltstone) with minor chert, sheared. Overall, the rock is medium greenish grey with pink-grey patches. The upper portion, 339.3-340 m, is strongly fenitized, biotitized and appear dark brown with red patches and bands. The matrix is fine to very fine-grained, in chert parts aphanitic, non-carbonaceous, moderately hard. Chert has sericitic specks. Magnetism: variable, mostly non-magnetic with localized disseminated very fine Mgt grains and several Mgt+Py bands and nodules. Structure: 339.3-341.5 m - strong fracturing subparallel to the core axis (continuation of the same deformation as in chert above). Fractures are oriented at 0-7CA, filled by fine-grained material composed of grey silica, rusty Fe-carbonate and dark green minerals (chlorite? amphibole?). Some of low-angle fractures are crosscut with offsets by fractures at 25CA filled by the same fine-grained material. Bleached halos around fractures. 341.5-343.6 m - weakly to moderately-developed foliation at angles changing from 60 to 45CA. Fractures filled by green material are aligned along the foliation and crosscut it as well. Fine sericite specks which occur in the matrix appear aligned in foliated parts and variably oriented in non-foliated. The foliation might be primary and might formed during deformation as well. Mineralization: 339.3-341.5 m - 1-2% Py very fine grains disseminated in the matrix, traces to 0.5-1% Py in some fractures. 341.5-343.6 m - 1-2% Py very fine disseminated grains and several fine to medium-grained Py+/-Mgt bands, 1-2 cm wide, oriented parallel to the foliation. No gold grades. The lower contact is distinct, at 45CA.	

Survey	From	To	Title	Summary	Description	Angle
D-93-06	343.6	352.1	Komatiite; Altéré	V4A; AE	<p>An Ultramafic rock, patchy to pervasively fenitized, weakly carbonatized.</p> <p>The interval is dark brown, black-brown in fenitized parts and dark grey-green in serpentinized parts. Fenitization overprints serpentinization. The main secondary potassic minerals are biotite and K-feldspar. K-feldspar anhedral grains have distinct reddish hematite coloration. The matrix is fine to medium-grained, equigranular, rather massive. Minor disseminated leucoxene.</p> <p>Magnetism: weak to moderate throughout the interval.</p> <p>Structure:</p> <p>343.6-344.5 m - faint foliation at 40-45CA.</p> <p>347.5-350.8 m - 1-3% millimetric tension veinlets, gashes, beige white, carbonate-dominant, generally oriented at 25-30CA, with dissolution cavities.</p> <p>350.8-352.1 m - weakly-developed foliation at 20-25CA; some fractures filled y black material (mica? serpentine?) are at 0-10CA.</p> <p>Mineralization: traces to 1-2% Py small to medium-size, euhedral to subhedral grains, mainly disseminated in fenitized parts.</p> <p>No gold grades.</p> <p>The lower contact is distinct, sharp, at 40CA.</p>	45
D-93-06	352.1	358	Chert; Sédiments non divisé; Cisaillé	S10; S; CS	<p>Chert mixed with fine-grained sediments, sheared, fenitized.</p> <p>The interval is mottled, dark brown, medium grey, mauve-red, pink, pervasively to patchy fenitized (biotite, K-feldspar, hematite). Chert is aphanitic to very fine-grained, well-laminated with white and beige fine sericite fabrics along the laminations. Sediments (siltstone, mudstone) are fine-grained, dark greenish grey to brownish red, occur in-between the aphanitic laminations or as rather massive intervals. The matrix is not carbonaceous/carbonatized; carbonate mostly occurs in fractures.</p> <p>Magnetism: mostly non-magnetic with occasional Mgt+Py bands parallel to the foliation.</p> <p>Structure: the interval is strongly sheared and fractured. Chert laminations are typically oriented at 45-55CA but in some parts the angles are lower (30-40CA) and probably affected by shear. In sheared parts, fine-grained sediments are also foliated at 30-45CA.</p> <p>Fractures crosscut the foliation at various angles. There are two distinct sets of fractures:</p> <ol style="list-style-type: none"> 1) at 15-25CA, roughly oriented in the same direction as the foliation and laminations; fractures are filled by dark green minerals (chlorite, amphibole), greyish silica and minor carbonate. 2) more common fractures at 35 to 60CA but in opposite sense to the foliation and often offsetting the laminations. These fractures are often stepping, en-echelon, filled by brown, fine-grained, carbonate-rich assemblages. These could be tension gashes related to low-angle fractures. <p>At 356.15 m - a 1 cm wide, pink carbonatite vein with high REEs, crosscutting biotite-altered fine sediments at 35CA.</p> <p>Mineralization: abundant pyrite as very fine to med-size anhedral to subhedral grains disseminated in laminations, fine to medium-grained aggregates in foliation planes and in fractures. Some mineralized fractures have specular hematite. Overall, 3-5% Py.</p> <p>This interval returned three consecutive samples with elevated gold grades ranging from 0.58 to 1.24 g/t Au (over 1.5 m samples). These grades correspond to laminated, mineralized chert. The sheared, fenitized interval in sediments (356.6-358 m) has no grades.</p> <p>The lower contact is approximate, strongly fenitized and strongly sheared at 40-45CA.</p>	40
D-93-06	358	372	Basalte magnésien; Basalte; Altéré; Cisaillé	V3F; V3B; AE; CS	<p>Strongly fenitized Mg-basalt or Basalt, sheared.</p> <p>The rock is dark grey, green, red, brown, pervasively to patchy fenitized, weakly to moderately carbonatized. A dark green micaceous mineral occurs in fractures, as fine streaks in the matrix along the foliation and replaces rare phenocrysts - probably serpentine, could be chlorite. The matrix is fine to medium-grained, dominated by reddish and pinkish white secondary feldspars. Strong pervasive biotite alteration is developed within the upper portion over about one meter, then red K-feldspar becomes dominant potassic mineral (supported by XRF data).</p> <p>Magnetism: moderate throughout the interval, in some parts stronger or weaker.</p> <p>Structure:</p> <p>358-359 m - a sheared and biotitized section with moderately-developed foliation and fractures at 20-25CA.</p> <p>359-361.4 m - weakly sheared with weakly-developed foliation at 20-25CA.</p> <p>361.4-362 m - a strongly comminuted interval with 10% gougy particles - a fault zone.</p> <p>362-365 m - weakly to faintly sheared at 20-30CA.</p> <p>365-372 m - moderately fractured and sheared interval with intermittent foliation at 30 to 50CA; patchy to pervasively fenitized (K-fsr, lesser biotite) and patchy carbonatized. One sample within this interval gave 0.59 g/t Au (over 1.5 m).</p> <p>Mineralization: 0.5-2% Py small disseminated euhedral to subhedral grains, in some fractures.</p> <p>Slightly elevated gold grades at 359.66-362.71 m, 0.18-0.21 g/t Au (over 1.5 m samples).</p> <p>The lower contact is approximate, marked at the end of fenitization.</p>	42

Survey	From	To	Title	Summary	Description	Angle
D-93-06	372	381.2	Basalte; Fracturé(e)	V3B; FA	<p>Basalt (Mg-Basalt?), strongly fractured, magnetic.</p> <p>The rock is dark greenish grey with a fine-grained, aphyric, massive and rather uniform matrix; moderately hard to scratch. Chlorite is seen in fractures, margins of Carb veinlets. Very minor epidote in some fractures. Locally very fine specks of leucoxene.</p> <p>Magnetism: moderately to strongly magnetic.</p> <p>Structure: the interval is highly fractured, mainly at 50-80CA, locally brecciated; RQD<10. There are a stockwork of numerous carbonate-dominant tension veinlets/gashes, mm-cm wide, often with dissolution cavities. Two distinct orientations: at 40-60CA and at 15-20CA.</p> <p>Mineralization: traces to 1-2% Py fine to med-size subhedral grains, in some fractures, disseminated.</p> <p>At 379.8-381.2 m - the rock is moderately bleached, medium beige-grey, carbonatized and weakly patchy fenitized (pink), with weak remnant epidote in fractures; non-magnetic to weakly magnetic. The same style of fracturing and carbonate veining as in the rest of the unit.</p> <p>Mineralized by traces to 1% Py small disseminated cubic grains. Two consecutive samples within this interval returned 0.17-0.19 g/t Au (1.5 m each sample).</p> <p>The lower contact is distinct, 45CA, sheared, marked by Qz-FeCarb irregular veins.</p>	
D-93-06	381.2	384.5	Sédiments non divisé	S	<p>Fine-grained sedimentary rock (mafic greywacke), similar to sediments observed at the end of D-92-39-1 (395.6-423.7 m).</p> <p>The rock is medium green to greyish green, chloritic, fine-grained, rather uniform, massive to thinly foliated (bedded?), locally has conchoidal fracturing. Weak patchy mauve fenitization in some parts. Weak to locally moderate fracture-filling epidote.</p> <p>Magnetism: moderate to strong due to the presence of abundant, fine, disseminated Mgt grains and fine-grained Mgt aggregates in some irregular fractures.</p> <p>Structure: some parts are weakly foliated at 25 to 45CA, probably due to shearing. Less than 1% carbonate-filled tension veinlets.</p> <p>Mineralization: traces to 0.5% Py small disseminated cubic grains; 1-2% Py in some fractures.</p> <p>The lower contact is marked by a 3 cm wide, white Qz vein at 32CA, with minor carbonate and chlorite in fractures. Sediments are slightly fenitized near the contact.</p>	
D-93-06	384.5	389.1	Basalte; Brèche de coulée; Altéré; Cisailé	V3B; BQ; AE; CS	<p>Sheared, fenitized mafic flow breccia (?)</p> <p>An unusual interval which contains abundant breccia-looking fragments, mostly pink (K-feldspar/Hem?) and lesser yellowish to white epidotized/saussuritized Plg grains and crystals. The fragments are irregular-shaped, subround, subangular, vary in size from sub-mm to 1.5 cm. Some fragments are fine-grained to aphanitic, others have Plg and possibly Qz inclusions. The matrix is mafic, chloritic, fine-grained, weakly to moderately patchy carbonatized. The upper portion is patchy fenitized.</p> <p>Magnetism: moderate to strong due to the presence of fine Mgt as disseminated grains and fine aggregates in fractures.</p> <p>Structure: the interval is sheared with moderately-developed foliation at 30-35CA. Some fragments are stretched along the foliation.</p> <p>At 386.4 m - pinkish Ca-carbonatite vein at 35CA.</p> <p>Mineralization: 1-2% Py very fine to small subhedral grains in fractures, disseminated. The contact zone with the sediments above (at 384.05-387.1) returned 0.27 and 0.44 g/t Au (over 1.5 m samples).</p> <p>The lower contact is rather distinct by textural changes but the core is broken.</p>	
D-93-06	389.1	392	Basalte; Fracturé(e)	V3B; FA	<p>Basalt (Mg-Basalt?), strongly fractured, magnetic; same as at 372-379.8 m.</p> <p>The rock is dark greenish grey with a fine-grained, aphyric, massive and rather uniform matrix; moderately hard to scratch. Some parts are dark reddish to dark brownish grey, patchy fenitized (K-fsp, Hem). Chlorite occurs in some fractures and rims of carbonate veinlets.</p> <p>Magnetism: moderate to strong due to very fine disseminated Mgt grains.</p> <p>Structure: highly fractured 50-80CA, with numerous irregular tensions veinlets filled by beige-white carbonate. Common dissolution cavities along veinlets and fractures.</p> <p>Mineralization: 0.5-2% Py fine disseminated grains, fine to medium-grained aggregates in some fractures and cavities.</p> <p>EOH</p>	

D-93-06-1			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709168.63			
1993	Dip: -65°		North: 5490042.89			
	Length: 310.99m		Elevation: 300.02m			
Survey	From	To	Title	Summary	Description	Angle
D-93-06-1	0	118.9	Mort terrain	M-T	Overburden.	
D-93-06-1	118.9	125.2	Komatiite; Basalte magnésien	V4A; V3F	Komatiitic Basalt? Komatiite? The rock is massive, without variolitic textures, uniform in appearance, fine-grained, aphyric, dark greenish grey to green-black, pervasively serpentinized and amphibolized/chloritized, non-carbonaceous/non-carbonatized, moderately hard to scratch. XRF shows high Mg and elevated Cr and Ni. Magnetism: weakly to moderately magnetic. Structure: a competent rock with minor fractures. Black serpentine in occasional fractures. Mineralization: trace to 0.5-1% Py fine disseminated grains, locally fine to med-size grains in fractures. The lower contact is distinct, at 20CA.	
D-93-06-1	125.2	132	Basalte magnésien; Variolaire	V3F; VAR	Mg-basalt (Komatiitic basalt?). Dark grey-green, mostly massive, fine-grained matrix with localized groups of paler bluish to greenish grey (leucocratic), small varioles. Possibly pillowed. The matrix is pervasively amphibolized/chloritized, possibly weakly serpentinized. Black serpentine occurs in some fractures. Weakly magnetic to non-magnetic. Structure: weak to moderate fracturing at various angles. Most fractures are filled by epidote and calcite. 126.2-128 m - 5% brecciated zones/veins cemented by epidote and calcite. At 130, 132 m - quench textures with small, sheaf-like aggregates of black, acicular crystals, mini-spinifex. Mineralization: traces to 0.5-1% Py. An approximate lower contact, gradational.	20
D-93-06-1	132	135	Komatiite; Basalte magnésien	V4A; V3F	Komatiitic Basalt? Komatiite? The rock is massive, without variolitic textures, uniform in appearance, fine-grained, aphyric, dark greenish grey to green-black, pervasively serpentinized and amphibolized/chloritized, non-carbonaceous/non-carbonatized, moderately hard to scratch. XRF shows high Mg and elevated Cr and Ni. Non-magnetic. Structure: a competent, massive rock with minor fractures. Serpentine in occasional fractures, very minor epidote. Mineralization: traces to 0.5% Py. A somewhat distinct lower contact, marked by changes in texture.	
D-93-06-1	135	161.9	Basalte magnésien; Variolaire	V3F; VAR	Mg-basalt (Komatiitic basalt?). Dark grey-green, mostly massive, fine-grained matrix with localized groups of paler bluish to greenish grey (leucocratic), small varioles. Possibly pillowed. The matrix is pervasively amphibolized/chloritized, possibly weakly serpentinized. Black serpentine occurs in some fractures. Most fractures are filled by epidote and calcite. Non-magnetic to weakly magnetic; from ~153 m, the rock becomes increasingly magnetic towards the lower contact. Structure: weakly fractured, mainly non-deformed. Mineralization: traces to 0.5% Py. The lower contact is somewhat distinct, weakly sheared at ~60CA, not sharp. It is marked by distinct changes in colour and disappearance of any veinlets.	
D-93-06-1	161.9	167.2	Komatiite	V4A	An Ultramafic rock, massive, uniform, without variolitic textures, serpentinized, possibly a picritic sill. The rock is dark purplish grey to black, uniform, pervasively serpentinized and amphibolized, fine-grained, aphyric, equigranular, with distinct white-grey specks (probably Plg), moderately soft, non-carbonaceous/non-carbonatized. XRF shows high Mg (17%) and elevated Cr (1900 ppm) and Ni (1300 ppm). Magnetism: moderate to strong throughout the unit. Structure: in most parts it is a competent, massive, non-deformed rock. 165.5-167.2 m - weakly sheared, foliated at 25-40CA. Mineralization: traces to 0.5% Py small disseminated subhedral grains and fine to medium-grained aggregates in some fractures. The lower contact is approximate, looks gradational over 5-10 cm. Distinct changes in texture and colour; reappearance of calcite-filled veinlets and fractures.	

Survey	From	To	Title	Summary	Description	Angle
D-93-06-1	167.2	210.7	Basalte magnésien; Variolaire	V3F; VAR	Mg-basalt (Komatiitic basalt?), same as at 147-161.9 m. Massive with localized variolitic textures, variably magnetic (non-magn to mod magn). Structure: 1-5% creamy white, calcite-filled fractures and mm-cm veinlets. Minor epidote in fractures. Angles range from 0 to 65CA. The low core-angle fractures/veinlets sometimes undulate along the core axis; they are probably S2 type whereas fractures/veinlets oriented at higher core angles (45-65CA) are S3s as they terminate on low-angle ones. 176.5 m - 10 cm interval of strongly fractured, semi-competent, serpentinized rock, possibly a fault zone. 199-201 m - weakly to moderately sheared at low core angles (15-30CA). Minor reddish earthy hematite and orange baryte occur in low angle fractures. Weak pink hematite staining is seen on some veins and localized reddish patches in the matrix (weak fentization). Mineralization:traces to 0.5-1% Py diss, in some fractures. The lower limit of the unit is marked by a 50-cm long, strongly calcitized interval. Could be marking another flow.	
D-93-06-1	210.7	218	Basalte magnésien; Variolaire; Fracturé(e)	V3F; VAR; FA	Mg-basalt, possibly grading into basalt. Dark to medium grey-green with localized groups of small, epidotized varioles and possibly amygdules. Pervasively amphibolized/chloritized, with epidote and calcite in fractures and patches. Strongly magnetic. Structure: a very blocky, strongly fractured core, numerous creamy white calcite+/-epidote veinlets. Mineralization: traces to 1% Py diss, in some fractures. From ~216 m, the intensity of epidote decreases.	
D-93-06-1	218	227.2	Basalte magnésien; Variolaire; Fracturé(e)	V3F; VAR; FA	Continuation of the Mg-basalt/Basalt, without epidote alteration. Strong calcite/carbonate alteration (patchy to pervasive and fracture-filling), moderate to strong patchy to pervasive biotitization which gives the rock a dark brownish colour. Increasing number of pink, hematite-stained veinlets and reddish patches (fentization). Variably magnetic (strongly to weakly), with the intensity decreasing at the lower contact. Structure: moderately to strongly fractured, blocky core. Intermittent weak shearing with foliation at 5-30CA. Mineralization: 1-3% fine disseminated Py. The lower limit of the unit is marked at the beginning of strong shearing and increasing Fe-carbonatization.	
D-93-06-1	227.2	242	Basalte magnésien; Cisaillé; Altéré	V3F; CS; AE	SHEAR ZONE, MINERALIZED ZONE Strongly sheared Mg-Basalt (variolitic??), strongly Fe-carbonatized. Strong rusty-buff iron oxidation on the exposed core surface. On fresh cuts and breaks, the rock is mottled, medium grey, black, pinkish, beige. The original textures are mostly destroyed. Shear bands contain fine specular hematite, possibly black mica, sericite, carbonate/Fe-carbonate, feldspars (red and grey). Black magnetic fine bands contain elevated Cr and Ni. Magnetism: mostly non-magnetic in the upper portion and becomes magnetic starting from ~237 m. Structure: strongly sheared, well-foliated at 15-35CA. A few late fractures crosscut the foliation at 10 to 30CA, filled by bright orange mineral, fine crystals of baryte and carbonate (no REEs). At 231.5-236 m - microbrecciated sheared rock with white to greyish white silica veinlets and silica flooding. White to colorless Qz veinlets, mm-cm wide, crosscut the foliation at various angles and sometimes occur parallel to shear bands. Some Qz veins are folded. Specular hematite often accompanies quartz veins. This interval returned elevated gold grades: 0.57 g/t Au over 4.58 m. Mineralization: 0.5 to 2% Py small disseminated grains, fine-grained aggregates in foliation planes, fractures. The lower contact is arbitrary, marked at the end of intense shearing and Fe-carbonatization.	

Survey	From	To	Title	Summary	Description	Angle
D-93-06-1	242	260.5	Basalte magnésien; Fracturé(e); Altéré	V3F; FA; AE	Continuation of Mg-Basalt, carbonatized, slightly fenitized. The rock is dark to medium grey to greenish grey, with brownish (biotite?) and reddish Hem (+/- K)-altered patches and fine disseminated buff specks of leucoxene. Remnants (?) of green Amp/Chl. The exposed core surface has weak to moderate rusty patches. Fine-grained, massive. Variably magnetic - non-magnetic to moderately magnetic. Structure: moderate to strong irregular fracturing with pinkish calcite infilling. The core appears blocky, fragmented. Mineralization: traces to 1-2% Py fine to medium-grained aggregates in fractures. Locally traces Cpy. At 258.5 m, red-brownish alteration stops, while calcitization still continues down to 260.5 m. The lower contact is marked at the beginning of sericitic cherty sediments, though the interval at 258.5-260.5m could be also composed of sediments (mafic greywacke?).	
D-93-06-1	260.5	265.9	Sédiments non divisé; Chert; Folié	S; S10; FO	Chert and fine-grained sediments, well-foliated. The interval is composed of interlayered yellowish sericitic chert, minor black graphitic (?) argillite and pale to medium grey, sericitic mudstone to greywacke. Chert and argillite are well-foliated with sub-mm to cm parallel bands/laminations, whereas mudstone is massive, non-foliated. Aphanitic to fine-grained. Magnetism: non-magnetic. Structure: well-developed foliation 25-40CA, microfractured. Irregular grey silica veinlets crosscut the foliation. Mineralization: abundant pyrite in the form of round and elongate nodules, fine to medium-grained bands parallel to foliation. Traces Sph and Cpy. No gold grades. The lower contact is somewhat distinct at ~30A, marked by a sharp change in colour (beginning of brown biotite alteration).	
D-93-06-1	265.9	287	Basalte; Basalte magnésien; Fracturé(e)	V3B; V3F; FA	Basalt/Mg-Basalt, carbonatized. The upper ~ 3 meters of the unit are dark brownish grey, patchy biotitized and Hem/K-altered (fenitized), then the rock becomes medium grey to greenish grey. The matrix is fine-grained, amphibolized/chloritized, moderately carbonatized. Minor epidote in fractures in lower parts. Magnetism: moderately magnetic. Structure: moderate to strong irregular fracturing with creamy white to pinkish white calcite infilling. The core is blocky, broken to cm-dm pieces. Frequent small dissolution cavities. Low-angle fractures and higher core-angle tension gashes (0-15CA and 40-65CA, respectively). at 267m - sheared with foliation at 25-30CA. Mineralization: traces to 1-2% Py small to medium-size cubic grains, disseminated and aggregates. No gold grades. An approximate lower contact. The rock becomes slightly coarser, gabbroic.	30
D-93-06-1	287	305	Basalte d'aspect gabbroïque; Fracturé(e)	V3B (I3A); FA	Basalt with gabbroic textures, fractured. The rock is medium to dark greenish grey with ophitic textures which give it a spotted appearance. Massive, rather uniform, amphibolized/chloritized, without carbonate in the matrix. Magnetism: mostly non-magnetic with a few weakly magnetic spots. Structure: moderate fracturing, blocky core (RQD 50-70%). Frequent dissolution cavities along veins. Numerous fractures and mm-cm veinlets are mainly filled by creamy white to pinkish white calcite and minor epidote, earthy red hematite, minor chlorite. Angles of veins and fractures are variable, from 0 to 60CA. Mineralization: traces to 0.5-1% Py fine disseminated grains, in some veins. The lower contact is approximate, seems gradational.	
D-93-06-1	305	310.99	Komatiite	V4A	Komatiitic Basalt? Komatiite? XRF shows a higher Mg content compared to basalt above suggesting a rather ultramafic composition. The rock is massive, fine-grained, aphyric, dark greenish grey to green-black, pervasively serpentized and amphibolized/chloritized, locally weakly carbonatized, with minor fractures filled by calcite. Non-magnetic to weakly magnetic. EOH	

D-93-08			UTM coordinates			
Year drilled	Azimuth: 360°		East: 709112.16			
1993	Dip: -65°		North: 5490069.48			
	Length: 345.13m		Elevation: 301.19m			
Survey	From	To	Title	Summary	Description	Angle
D-93-08	0	82.3	Mort terrain	M-T	Overburden	
D-93-08	82.3	140	Basalte; Variolaire; Coussiné	V3B; VA; CO	Basalt variolitic, pillowed, composed of fine-grained, pervasively chloritized, medium-grey-green matrix and paler greenish grey mm-cm varioles. Mostly non-magnetic, locally weakly magnetic. Crosscut by 3-7% white Cal-dominant irregular veinlets, mm to 2-3 cm wide. Mineralization: traces to 1% Py small cubic grains in some fractures and veinlets. From 82.3 to 138m - weak epidote alteration in fractures; locally weak pinkish K/Hem staining on veins, infiltrations in fractures. From 138 to 140m - weak black and reddish K-alteration (finitization). The interval was spot-sampled without any grades.	
D-93-08	140	144.7	Basalte	V3B	Massive basalt, fine to medium-grained, without varioles and pillow rims, medium grey-green, pervasively chloritized, with fine disseminated leucoxene. Minimal fracturing and veining. Traces Py.	
D-93-08	144.7	191.8	Basalte; Variolaire	V3B; VA	Basalt variolitic, possibly pillowed, composed of fine-grained, pervasively chloritized, medium-grey-green matrix and paler greenish grey mm-cm varioles. Mostly non-magnetic in the upper portion, then strongly magnetic at 145-148m and variably magnetic further downhole. Moderate to strong epidote alteration. Numerous white Cal and yellowish Ep irregular veinlets, mm to 2-3 cm wide. Locally weak orange-pink K/Hem staining on veins. Mod-strong fracturing, locally brecciation. Mineralization: traces to 1% Py small cubic grains in some veins. The interval was spot-sampled without any grades. At 145.1-147.2 m - strong fracturing and brecciation. Mostly carbonate, no or very little epidote alteration. Brecciated fragments of basalt are cemented by carbonate veins oriented at 5-25CA. Carbonate veinlets and tension gashes, mm-cm wide, oriented at 5 to 40CA (mainly 20-30CA). At 191.0-191.8 m - basalt becomes dark green-grey, serpentinized?, with very little epidote in fractures, fine-grained, magnetic, mineralized by 3% Py as small disseminated cubic grains. The lower contact is rather distinct (broken core).	
D-93-08	191.8	193.6	Chert; Sédiments non divisé	S10; S	Well-laminated sediments with chert and sericite laminations, aphanitic to fine-grained, sub-mm to cm wide, at ~45CA. Mottled grey, olive, yellow, beige; non-magnetic. Foliation/lamination at 45CA. Mineralization: 2 to 10% Py fine to med-grained aggregates parallel to laminations, diss grains. Semi-massive Py concentrations near both contacts.	
D-93-08	193.6	202.8	Basalte	V3B	MINERALIZED ZONE, deformation zone Basalt, fine-grained, massive, medium to dark grey-green, pervasively chloritized, in parts paler, bleached (carbonatized); mod-str magnetic, with disseminated leucoxene. Common dissolution cavities along fractures. 193.6-195.6 m - slightly bleached, pale to medium grey, beige-grey, carbonatized, fine to medium-grained, mod-str fractured and pierced by irregular mm grey silica veinlets. Very fine disseminated leucoxene. 195.6-197.2 m - weak to moderate epidote alteration in fractures and speckled in the matrix (altered Plg grains). 197.2-202.5 m - mod-str carbonate alteration, very minor Ep; strong fracturing, dissolution cavities along fractures. Structure: 196-199.4 m - two distinct sets of fractures: 1) fractures and veinlets at 15-30CA, and 2) fractures and veinlets plus shear fabrics at 15-20CA in opposite direction to #1 set. Both sets are mineralized by pyrite. #1 visually predominates over #2. 199.4-202.5 m - fractured, comminuted core. 202.5-202.8m - a fault zone - a strongly fractured interval with angular mm-cm fragments of the host rock in sand-size incohesive epidotized microbrecciated material with loose fine Py grains. Mineralization: 1 to 5% Py fine to med-grained aggregates in fractures and Carb-Qz-(Ep) veinlets, disseminated grains.	
D-93-08	202.8	207.8	Basalte	V3B	Continuation of Basalt, epidotized (fractures and speckled in the matrix), pervasively chloritized, fine-grained, magnetic, strongly fractured. Weak to moderate Carb/Cal in fractures. The intensity of epidote alteration decreases downhole. Common dissolution cavities in the matrix and along the fractures. Mineralization: traces to 1-2% Py fine to med-grained aggregates in fractures and veinlets.	

Survey	From	To	Title	Summary	Description	Angle
D-93-08	207.8	220.9	Basalte	V3B	Continuation of Basalt but without epidote alteration, medium to dark grey to greenish grey with weak-mod reddish K/Hem patchy alteration (finitized), mod carbonatized, mod fractured with pinkish white Carb infilling, wk-mod magnetic. Disseminated leucoxene. Gypsum in some tension veinlets. Mineralization: traces to 1-2% Py fine and medium-grained aggregates in fractures and Carb and Qz-Carb veinlets, disseminated grains.	
D-93-08	220.9	221.4	Chert; Sédiments non divisé	S10; S	Well-laminated sediments with chert and sericite laminations, aphanitic to fine-grained, sub-mm to cm wide, at 45-55CA. Mottled grey, white, beige, pink; weakly magnetic, strongly siliceous, non-carbonaceous. Strongly fractured. Mineralization: 5-7% Py fine to med-grained aggregates parallel to laminations, in fractures. No gold grades. The lower contact is distinct, at 50CA.	
D-93-08	221.4	233.2	Basalte	V3B	Basalt, fine- to medium-grained, massive, medium to dark greenish grey, pervasively chloritized, with weak to moderate epidote alteration in fractures. Weakly to moderately magnetic, disseminated leucoxene. Strongly fractured, locally brecciated; common dissolution cavities along fractures. Some parts of basalt are weakly finitized (dark grey with reddish K/Hem patchy alteration) and mod-str carbonatized. Mineralization: traces to 1% Py. A sample right after the chert interval above gave 1.46 g/t Au over 1.52m.	
D-93-08	233.2	234	Chert; Sédiments non divisé	S10; S	Well-laminated sediments with chert beds/laminations, aphanitic and very fine-grained, sub-mm to cm wide, at 45-55CA. Mottled grey, beige, olive; minor sericite, magnetic (fine disseminated Mgt), strongly siliceous, non-carbonaceous. Mineralization: 10% Py fine to medium-grained aggregates parallel to the foliation, fine diss grains. The lower contact is distinct but not sharp.	
D-93-08	234	245.3	Basalte	V3B	Basalt, fine to medium-grained, massive, medium green-grey, with pervasively chloritized and weakly carbonatized matrix, without epidote alteration; weakly to moderately magnetic. Strong fracturing and numerous creamy white Carb/Cal+/-Qz irregular veinlets, mm-cm wide. Frequent dissolution cavities along veinlets, fractures. Locally weak to moderate patchy reddish K/Hem alteration (finitization). Mineralization: traces to 1% Py fine to medium-grained aggregates in fractures, disseminated.	
D-93-08	245.3	268.8	Basalte	V3B	MINERALIZED ZONE Continuation of Basalt with heterogeneous appearance due to weak to strong patchy K-alteration (finitization) and fine to medium-grained syenitic injections. Basalt is fine to medium-grained, massive, variable in colour - red, brown, beige and grey, greenish grey, chloritized in less finitized parts. It is variably magnetic (weakly to strongly) and contains fine disseminated leucoxene and localized specular hematite in fractures and matrix. The interval is strongly fractured, with numerous (5-10%) pinkish and beige veinlets composed of Carb and Gypsum (selenite variety forming parallel fibrous aggregates oriented perpendicular to the margins of veins). Mineralization: 2 to 5% Py fine to coarse cubic grains, disseminated, in some fractures and veinlets, locally 7% aggregates. Continuous gold grades from 245.36 to 262.13m ranging from 0.16 to 4.81 g/t (1.28 g/t Au over 16.77m). No grades after 262.13m. At 265-268.5m - intensely finitized basalt (syenite?), no contacts, gradational alteration changes. The rock is fine to medium-grained, variably colored - red, pinkish grey, rusty, with a bright green mineral filling fractures (chlorite? amphibole?). Specular hematite and fine black mica in fractures, patchy Fe-carbonatization, locally fine disseminated leucoxene. Non- to weakly magnetic. No gold grades in this interval.	
D-93-08	268.8	297.8	Komatiite	V4A	Ultramafic volcanics/komatiitic basalt, black to greenish black with white and buff Carb specks, pervasively serpentized, soft to scratch, fine-grained with phantom phenocrysts of ferromagnesian minerals (Ol, Px). Mostly non-magnetic, locally weakly magnetic. The unit is moderately sheared in the upper portion with foliation developed at 25-45CA, gradually becomes less deformed. From ~286 m - massive, uniform. 2-3% creamy beige Carb-dominant veinlets, 0.5-2 cm wide, variably oriented, often parallel to the foliation in sheared parts. At 280.6-280.7m - a fault zone with talcose mm-cm fragments, incohesive. Mineralization: traces Py, locally 0.5% small cubic grains. From ~295m, the rock gradually becomes harder, more granular, black, with reddish K/Hem alteration patches starting from ~296.8m. The lower contact is distinct, sharp, without a chill margin, at ~45CA.	

Survey	From	To	Title	Summary	Description	Angle
D-93-08	297.8	304	Intrusif intermédiaire	I2	REE-enriched syenitic dyke with distinct contacts (nepheline syenite?). The rock is rather uniform, fine-grained, locally medium-grained with distinct small black Mgt disseminated grains and tiny black needle-like crystals (aegirine? allanite? amphibole?). The matrix is weakly to moderately magnetic, pervasively carbonatized, with minor Chl, Ep and possibly Phlogopite in fractures. Crosscut by 1% pinkish Carb-dominant mm veinlets (with elevated REEs). Locally contains small xenoliths of the enclosing V4/V3F with mm chill margins. Mineralization: 0.5-2% small Py cubic grains, disseminated, aggregates in fractures. No gold grades. The lower contact is distinct but the core is broken.	
D-93-08	304	316.6	Basalte	V3B	Mg-basalt in the upper portion (1-2 m), grading into chloritized basalt. Basalt is fine-grained, locally medium-grained with an ophitic texture with distinct small Plg grains randomly oriented in fine-grained chloritized matrix. Weakly to moderately carbonatized, weakly to moderately magnetic, with fine disseminated leucocoxene. No epidote. 1-3% white and pinkish white mm-cm Carb and Carb-Qz veinlets (no REEs). Mineralization: 0.5-2% Py small disseminated cubic grains. The lower contact is distinct, at ~45CA.	
D-93-08	316.6	323.2	Chert; Sédiments non divisé	S10; S	Fine-grained sediments with laminated and massive chert (50-50%). Laminated chert occurs in the upper portion of the unit (316.6- 318.4m). It is medium to pale grey, aphanitic to very fine-grained, strongly siliceous, strongly fractured with irregular fractures filled by rusty beige Carb/Fe-Carb. Laminations are mm to cm wide, oriented at 55CA. Fine disseminated Mgt grains. Chert is mineralized by 2 to 7% Py diss grains and fine to medium-grained aggregates in fractures and laminations. This interval gave 0.73g/t Au over 4.58m. From 318.4 to 323.2m - fine-grained sediments with massive chert, locally weakly laminated. Sediments are pale to medium greenish grey, locally brownish and pink (patchy fenitization), strongly siliceous, with conchoidal fracturing, mostly non-magnetic. Mineralized by 0.5-1% Py fine diss grains and minor aggregates in fractures. At 318.52-320.04 m - 0.17 g/t Au. The lower contact is distinct, with pink K/Hem alteration.	
D-93-08	323.2	327.5	Basalte magnésien	V3F	Magnesian Basalt grading into chloritized basalt. The interval is pervasively serpentized and weakly chloritized, dark greenish grey, fine-grained, massive, soft to scratch, variably magnetic (non-magn to moderately magn). 1-2% pinkish and creamy white Carb-dominant veinlets. Locally weak reddish black K/Hem alteration (fenitization). Mineralization: traces to 0.5% Py small diss grains, locally 2% cubic grains around Carb veins.	
D-93-08	327.5	332.8	Basalte	V3B	Continuation of Basalt, medium grey-green, pervasively chloritized, with moderate epidote alteration in fractures and matrix. Massive, fine to medium-grained with ophitic textures formed by epidotized (saussuritized) small Plg laths. Weakly to moderately magnetic. Minor carbonate in fractures, almost absent from the matrix. Epidote lasts til 332.2m, then disappears. Mineralization: traces to 0.5% Py small diss grains, locally 1-2% cubic grains in Ep fractures. The lower contact is distinct, at 37-40CA, marked by a cm-wide pink band and mineralized by fine to medium-grained Py aggregates.	

Survey	From	To	Title	Summary	Description	Angle
D-93-08	332.8	345.13	Chert; Sédiments non divisé; Basalte magnésien	S10; S; V3F	<p>Fine-grained sediments intercalated with laminated and massive chert and minor intervals of fenitized magnesian basalt.</p> <p>332.8-333.0 m - fine-grained sediments, greenish grey to grey, weakly magnetic.</p> <p>333.0-333.8 m - massive and laminated chert, olive, pale grey, beige, aphanitic to very fine-grained, sericitic, strongly siliceous, non-carbonaceous, non- to weakly-magnetic, strongly fractured with rusty and creamy Carb infilling. Laminations are at 35-40A. Mineralized by 1-3% Py fine to med-grained aggregates in fractures and laminations. No grades.</p> <p>333.8-336.1 m - fine-grained sediments, medium greenish grey, massive and finely foliated, siliceous, with conchoidal fracturing, weakly to moderately magnetic (fine diss Mgt grains). Crosscut by 1-2% pinkish beige Carb-dominant veinlets. Mineralized by 1-4% Py small to coarse disseminated cubic grains, aggregates in Qz-Carb veinlets and fractures. No grades.</p> <p>336.1-337.0 m - fenitized basalt or Mg-rich basalt, fine to medium-grained, variable in colour - pink, beige, grey, red; weakly to strongly magnetic, carbonatized and crosscut by pink-beige carbonatite veinlets (elevated REEs). Minor remnant epidote alteration. Mineralized by 0.5-1% Py. No grades.</p> <p>337.0-345.13 m - dominantly fine-grained sediments with chert and minor basalt. The interval is weakly to strongly fenitized with red and black K/Hem alteration and carbonatized. The colour is variable, grey, beige and various shades of red. Weakly to strongly magnetic.</p> <p>From 341m the rock is foliated at 35-45CA (finely laminated, sheared). Chlorite, possibly serpentine, black mica in fractures and sub-mm laminations. Mineralized by 0.5-1% Py small to med-size diss cubic grains and aggregates in some fractures. Two samples returned 0.24 and 0.33 g/t Au over 1.2m each (in fenitized sedminents intermixed with chert and minor basalt).</p> <p>EOH</p>	

Assessment Report for the Douay Property 2019 Diamond Drilling and Core Re-logging Program

Douay Township, Quebec

Volume 5 of 6
Appendix 6: Assay certificates 2019

Map sheets: NTS 32E09, 32E10
Latitude 49.51°N, Longitude 78.32°W
UTM NAD83 Zone 17: 5487450 N, 694100 E

For
Maple Gold Mines Ltd.
1111 West Hastings Street
Vancouver, British Columbia
V6E 2J3

Report Date: March 25, 2021



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 Plus Appendix Pages
 Finalized Date: 5-MAY-2019
 Account: VISAU

CERTIFICATE VO19091080

Project: DOUAY
 P.O. No.: shipment MGM1901
 This report is for 111 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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CERTIFICATE OF ANALYSIS VO19091080

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100001		1.46	0.073													
A0100002		1.53	0.309	0.40	5.75	128.0	790	4.00	0.05	10.10	0.09	138.0	14.3	44	31.4	61.9
A0100003		2.11	0.157													
A0100004		2.19	0.027													
A0100005		2.07	0.289													
A0100006		2.11	0.017													
A0100007		2.06	1.250													
A0100008		0.07	0.143													
A0100009		2.20	0.002													
A0100010		1.95	0.003													
A0100011		2.20	0.368													
A0100012		2.29	0.213													
A0100013		2.00	0.084													
A0100014		2.23	0.009													
A0100015		2.14	0.002													
A0100016		1.88	0.424													
A0100017		2.03	0.814	2.24	6.25	138.0	1080	2.98	0.31	9.46	0.09	239	12.9	7	4.50	34.3
A0100018		2.02	1.025													
A0100019		2.03	0.012													
A0100020		2.06	0.555													
A0100021		1.93	0.006													
A0100022		2.02	0.112													
A0100023		2.11	0.180													
A0100024		0.80	0.006													
A0100025		0.93	0.005													
A0100026		2.09	0.183													
A0100027		2.05	0.004													
A0100028		2.00	0.011													
A0100029		2.11	0.006													
A0100030		1.04	0.068													
A0100031		1.96	0.028													
A0100032		2.16	0.126													
A0100033		2.05	0.120													
A0100034		2.14	0.050													
A0100035		1.83	0.977													
A0100036		1.23	0.645													
A0100037		2.03	0.011	0.10	7.51	26.3	2150	2.72	0.38	5.38	0.08	220	12.8	78	11.85	25.0
A0100038		1.99	0.010													
A0100039		2.18	0.004													
A0100040		0.31	<0.001													



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CERTIFICATE OF ANALYSIS VO19091080

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100001 A0100002 A0100003 A0100004 A0100005		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100006 A0100007 A0100008 A0100009 A0100010		3.42	16.25	0.25	2.7	0.030	5.63	48.7	95.4	1.98	1360	2.67	0.63	28.1	34.5	3990
A0100011 A0100012 A0100013 A0100014 A0100015																
A0100016 A0100017 A0100018 A0100019 A0100020		4.50	20.8	0.33	3.2	0.036	5.43	95.6	31.5	1.15	1260	282	0.60	101.0	7.1	5490
A0100021 A0100022 A0100023 A0100024 A0100025																
A0100026 A0100027 A0100028 A0100029 A0100030																
A0100031 A0100032 A0100033 A0100034 A0100035																
A0100036 A0100037 A0100038 A0100039 A0100040		2.96	19.00	0.20	3.2	0.024	2.39	108.0	92.3	1.37	776	1.94	4.59	6.9	58.0	1050



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100001 A0100002 A0100003 A0100004 A0100005		5.9	365	<0.002	0.56	1.62	7.4	1	0.5	1080	0.74	0.47	6.67	0.202	1.33	0.9
A0100006 A0100007 A0100008 A0100009 A0100010																
A0100011 A0100012 A0100013 A0100014 A0100015																
A0100016 A0100017 A0100018 A0100019 A0100020		16.4	114.5	0.013	2.24	3.33	5.1	2	0.8	2530	0.85	1.60	80.8	0.422	0.97	2.1
A0100021 A0100022 A0100023 A0100024 A0100025																
A0100026 A0100027 A0100028 A0100029 A0100030																
A0100031 A0100032 A0100033 A0100034 A0100035																
A0100036 A0100037 A0100038 A0100039 A0100040		22.1	104.0	0.002	0.38	1.92	7.8	1	0.5	3180	0.17	0.08	7.19	0.242	0.65	2.7



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0100001 A0100002 A0100003 A0100004 A0100005		133	6.3	17.0	70	131.0
A0100006 A0100007 A0100008 A0100009 A0100010						
A0100011 A0100012 A0100013 A0100014 A0100015						
A0100016 A0100017 A0100018 A0100019 A0100020		194	26.4	45.7	65	163.0
A0100021 A0100022 A0100023 A0100024 A0100025						
A0100026 A0100027 A0100028 A0100029 A0100030						
A0100031 A0100032 A0100033 A0100034 A0100035						
A0100036 A0100037 A0100038 A0100039 A0100040		88	2.1	12.9	101	139.0



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100041		2.21	0.005													
A0100042		2.05	0.016													
A0100043		2.47	0.008													
A0100044		2.03	0.009													
A0100045		2.16	0.196													
A0100046		2.26	0.012													
A0100047		2.00	0.011													
A0100048		2.11	0.362													
A0100049		2.38	0.374													
A0100050		2.19	0.242													
A0100051		1.97	0.184													
A0100052		2.07	0.031													
A0100053		1.90	0.133													
A0100054		2.04	0.020													
A0100055		2.21	0.034													
A0100056		0.07	0.495													
A0100057		1.98	0.009													
A0100058		2.12	0.009	0.11	7.78	32.4	1480	2.93	0.21	4.68	0.11	132.5	19.4	88	13.75	22.3
A0100059		2.09	0.013													
A0100060		1.82	0.027													
A0100061		2.20	0.054													
A0100062		2.43	0.038													
A0100063		2.22	0.094													
A0100064		2.00	0.006													
A0100065		2.10	0.008													
A0100066		2.23	0.005													
A0100067		2.24	0.007													
A0100068		2.32	0.278													
A0100069		2.29	0.813													
A0100070		2.32	0.007													
A0100071		2.39	0.009													
A0100072		1.73	0.006													
A0100073		<0.02	0.004													
A0100074		1.57	0.007													
A0100075		1.40	0.022													
A0100076		1.14	0.006													
A0100077		2.17	0.019	0.14	7.79	9.9	130	3.46	0.29	5.01	0.04	222	15.9	55	2.69	8.8
A0100078		2.03	0.118													
A0100079		2.06	0.310													
A0100080		2.00	0.110													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100041 A0100042 A0100043 A0100044 A0100045		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100046 A0100047 A0100048 A0100049 A0100050																
A0100051 A0100052 A0100053 A0100054 A0100055																
A0100056 A0100057 A0100058 A0100059 A0100060		3.68	20.9	0.18	3.4	0.032	2.57	66.2	120.0	1.77	708	1.64	4.19	8.2	73.1	1120
A0100061 A0100062 A0100063 A0100064 A0100065																
A0100066 A0100067 A0100068 A0100069 A0100070																
A0100071 A0100072 A0100073 A0100074 A0100075																
A0100076 A0100077 A0100078 A0100079 A0100080		4.12	24.2	0.26	4.0	0.032	1.45	94.2	74.7	2.03	1110	3.00	4.68	24.3	64.1	1590



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100041 A0100042 A0100043 A0100044 A0100045		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100046 A0100047 A0100048 A0100049 A0100050																
A0100051 A0100052 A0100053 A0100054 A0100055																
A0100056 A0100057 A0100058 A0100059 A0100060		14.4	119.5	0.002	0.42	2.25	10.3	<1	0.6	1860	0.22	<0.05	4.96	0.308	0.76	1.7
A0100061 A0100062 A0100063 A0100064 A0100065																
A0100066 A0100067 A0100068 A0100069 A0100070																
A0100071 A0100072 A0100073 A0100074 A0100075																
A0100076 A0100077 A0100078 A0100079 A0100080		4.4	75.8	0.002	0.42	2.26	8.1	1	0.6	480	0.21	0.24	6.34	0.204	0.38	3.1



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19091080

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100041 A0100042 A0100043 A0100044 A0100045						
A0100046 A0100047 A0100048 A0100049 A0100050						
A0100051 A0100052 A0100053 A0100054 A0100055						
A0100056 A0100057 A0100058 A0100059 A0100060		109	1.7	12.3	144	149.5
A0100061 A0100062 A0100063 A0100064 A0100065						
A0100066 A0100067 A0100068 A0100069 A0100070						
A0100071 A0100072 A0100073 A0100074 A0100075						
A0100076 A0100077 A0100078 A0100079 A0100080		142	3.4	17.1	76	184.0



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100081		2.07	0.243													
A0100082		2.02	0.133													
A0100083		2.12	0.208													
A0100084		2.07	0.042													
A0100085		2.17	0.485													
A0100086		1.92	0.949													
A0100087		2.04	0.141	0.46	7.25	27.3	570	1.90	0.42	5.40	0.08	127.0	12.1	93	1.67	12.1
A0100088		0.30	0.004													
A0100089		2.11	0.009													
A0100090		2.05	0.080													
A0100091		2.00	0.020													
A0100092		2.16	0.064													
A0100093		2.08	0.057													
A0100094		2.08	0.109													
A0100095		2.28	0.403													
A0100096		2.24	1.045													
A0100097		2.04	0.136													
A0100098		2.12	0.057													
A0100099		2.03	0.121													
A0100100		1.88	0.010													
A0100101		2.48	0.075													
A0100102		2.29	0.010													
A0100103		1.79	0.169													
A0100104		0.07	2.98													
A0100105		2.06	2.96													
A0100106		2.01	0.032													
A0100107		2.02	0.018	0.04	7.31	7.8	250	2.78	0.23	4.45	0.05	102.0	14.7	64	1.48	9.6
A0100108		2.16	0.016													
A0100109		1.98	0.028													
A0100110		2.31	0.015													
A0100111		2.50	0.033													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100081 A0100082 A0100083 A0100084 A0100085		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100086 A0100087 A0100088 A0100089 A0100090		4.02	21.0	0.20	3.2	0.030	4.41	52.3	43.9	2.10	1300	3.86	2.84	29.6	76.8	980
A0100091 A0100092 A0100093 A0100094 A0100095																
A0100096 A0100097 A0100098 A0100099 A0100100																
A0100101 A0100102 A0100103 A0100104 A0100105																
A0100106 A0100107 A0100108 A0100109 A0100110		3.25	23.3	0.17	3.3	0.033	2.13	45.1	48.4	1.32	796	1.37	4.73	9.3	57.7	1150
A0100111																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100081 A0100082 A0100083 A0100084 A0100085		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100086 A0100087 A0100088 A0100089 A0100090		11.5	120.5	0.004	0.48	3.24	9.3	1	0.6	379	0.21	0.55	5.36	0.259	0.61	2.5
A0100091 A0100092 A0100093 A0100094 A0100095																
A0100096 A0100097 A0100098 A0100099 A0100100																
A0100101 A0100102 A0100103 A0100104 A0100105																
A0100106 A0100107 A0100108 A0100109 A0100110		6.1	70.6	0.002	0.35	2.08	7.1	1	0.6	375	0.21	0.06	4.33	0.249	0.57	1.4
A0100111																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100081 A0100082 A0100083 A0100084 A0100085						
A0100086 A0100087 A0100088 A0100089 A0100090		164	8.7	11.5	86	151.5
A0100091 A0100092 A0100093 A0100094 A0100095						
A0100096 A0100097 A0100098 A0100099 A0100100						
A0100101 A0100102 A0100103 A0100104 A0100105						
A0100106 A0100107 A0100108 A0100109 A0100110		146	2.8	9.7	65	156.5
A0100111						



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19091106

Project: DOUAY
 P.O. No.: shipment MGM1901
 This report is for 111 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100112		2.44	0.017													
A0100113		2.35	0.006													
A0100114		2.12	0.024													
A0100115		2.08	0.013													
A0100116		1.92	0.018													
A0100117		1.71	0.009													
A0100118		1.96	0.025													
A0100119		2.10	0.016													
A0100120		0.88	0.038													
A0100121		0.95	0.033													
A0100122		1.81	0.005													
A0100123		1.82	0.009													
A0100124		2.03	0.035													
A0100125		1.96	0.006	0.02	6.82	11.1	1430	1.56	0.06	3.84	0.06	99.2	3.6	59	0.63	76.7
A0100126		1.96	0.008													
A0100127		2.16	0.009													
A0100128		2.07	0.026													
A0100129		2.04	0.021													
A0100130		1.16	0.029													
A0100131		1.48	0.012													
A0100132		1.69	0.009													
A0100133		2.00	0.019													
A0100134		2.62	0.019													
A0100135		1.38	0.025													
A0100136		0.49	0.001													
A0100137		1.05	0.014													
A0100138		1.18	0.018													
A0100139		2.15	0.018													
A0100140		1.70	0.008													
A0100141		2.23	0.044													
A0100142		2.32	0.072	0.11	7.35	46.1	820	2.38	0.18	5.13	0.12	136.0	10.6	45	2.04	23.4
A0100143		1.91	0.013													
A0100144		2.24	0.031													
A0100145		2.18	0.031													
A0100146		1.89	0.032													
A0100147		2.07	0.012													
A0100148		2.25	0.014													
A0100149		1.93	0.033													
A0100150		2.29	0.227													
A0100151		2.19	0.024													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100112 A0100113 A0100114 A0100115 A0100116		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100117 A0100118 A0100119 A0100120 A0100121																
A0100122 A0100123 A0100124 A0100125 A0100126		3.18	19.55	0.14	2.9	0.013	1.52	42.0	23.0	0.69	573	1.21	4.91	13.1	44.4	1240
A0100127 A0100128 A0100129 A0100130 A0100131																
A0100132 A0100133 A0100134 A0100135 A0100136																
A0100137 A0100138 A0100139 A0100140 A0100141																
A0100142 A0100143 A0100144 A0100145 A0100146		2.95	20.9	0.20	3.6	0.021	2.81	59.7	32.7	0.81	699	3.22	4.50	21.8	35.2	800
A0100147 A0100148 A0100149 A0100150 A0100151																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100112 A0100113 A0100114 A0100115 A0100116		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100117 A0100118 A0100119 A0100120 A0100121																
A0100122 A0100123 A0100124 A0100125 A0100126		3.1	16.3	<0.002	0.16	3.07	5.7	1	0.5	1690	0.26	<0.05	5.85	0.265	0.16	1.5
A0100127 A0100128 A0100129 A0100130 A0100131																
A0100132 A0100133 A0100134 A0100135 A0100136																
A0100137 A0100138 A0100139 A0100140 A0100141																
A0100142 A0100143 A0100144 A0100145 A0100146		18.3	48.5	<0.002	1.10	1.32	5.0	1	0.5	797	0.43	0.16	8.73	0.250	0.47	1.5
A0100147 A0100148 A0100149 A0100150 A0100151																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100112 A0100113 A0100114 A0100115 A0100116						
A0100117 A0100118 A0100119 A0100120 A0100121						
A0100122 A0100123 A0100124 A0100125 A0100126		94	1.7	8.3	28	126.5
A0100127 A0100128 A0100129 A0100130 A0100131						
A0100132 A0100133 A0100134 A0100135 A0100136						
A0100137 A0100138 A0100139 A0100140 A0100141						
A0100142 A0100143 A0100144 A0100145 A0100146		88	3.7	15.1	48	200
A0100147 A0100148 A0100149 A0100150 A0100151						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100152		0.07	0.147													
A0100153		2.11	0.024													
A0100154		2.13	0.061													
A0100155		1.97	0.011													
A0100156		2.17	0.011													
A0100157		2.16	0.219													
A0100158		2.32	0.146													
A0100159		2.19	0.074	0.31	5.42	47.2	720	0.89	0.47	12.25	0.16	307	10.2	31	0.99	20.6
A0100160		2.23	0.039													
A0100161		2.19	0.069													
A0100162		2.19	0.012													
A0100163		2.13	0.029													
A0100164		2.08	0.031													
A0100165		2.11	0.066													
A0100166		2.20	0.016													
A0100167		2.20	0.018													
A0100168		2.09	0.004													
A0100169		<0.02	0.004													
A0100170		2.14	0.011													
A0100171		2.33	0.008													
A0100172		2.17	0.016													
A0100173		2.02	0.008													
A0100174		2.35	0.014													
A0100175		2.13	0.005													
A0100176		2.29	0.020													
A0100177		2.16	0.009													
A0100178		2.34	0.019													
A0100179		2.24	0.017													
A0100180		1.99	0.019	0.06	7.56	11.6	1050	1.58	0.08	3.13	0.03	71.6	17.6	78	3.67	35.0
A0100181		2.03	0.014													
A0100182		1.97	<0.001													
A0100183		1.92	0.037													
A0100184		0.48	0.038													
A0100185		2.12	0.022													
A0100186		2.34	0.128													
A0100187		2.30	0.042													
A0100188		2.07	0.066													
A0100189		2.17	0.163	0.53	7.39	38.0	1150	0.84	0.30	5.45	0.06	93.1	12.4	54	1.09	26.0
A0100190		2.18	0.310													
A0100191		2.14	0.065													



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		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0100152 A0100153 A0100154 A0100155 A0100156																
A0100157 A0100158 A0100159 A0100160 A0100161		3.04	15.10	0.35	2.4	0.028	2.65	138.5	34.5	0.92	1030	3.68	2.91	28.6	26.3	4470
A0100162 A0100163 A0100164 A0100165 A0100166																
A0100167 A0100168 A0100169 A0100170 A0100171																
A0100172 A0100173 A0100174 A0100175 A0100176																
A0100177 A0100178 A0100179 A0100180 A0100181		3.32	20.6	0.13	3.3	0.029	1.55	29.8	47.5	1.59	416	9.74	5.29	2.9	63.8	980
A0100182 A0100183 A0100184 A0100185 A0100186																
A0100187 A0100188 A0100189 A0100190 A0100191		3.02	18.70	0.16	2.7	0.027	1.83	44.2	34.2	1.84	709	4.74	4.92	5.4	47.8	880



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
A0100152 A0100153 A0100154 A0100155 A0100156		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100157 A0100158 A0100159 A0100160 A0100161		18.4	57.5	0.002	2.32	1.54	4.9	1	0.4	6650	0.37	0.41	8.99	0.124	0.47	3.2
A0100162 A0100163 A0100164 A0100165 A0100166																
A0100167 A0100168 A0100169 A0100170 A0100171																
A0100172 A0100173 A0100174 A0100175 A0100176																
A0100177 A0100178 A0100179 A0100180 A0100181		6.0	53.3	0.003	0.49	1.51	9.1	1	0.5	1360	0.17	<0.05	3.33	0.264	0.51	1.0
A0100182 A0100183 A0100184 A0100185 A0100186																
A0100187 A0100188 A0100189 A0100190 A0100191		17.1	44.0	0.002	1.92	1.86	7.7	2	0.4	2260	0.15	0.52	8.64	0.196	0.35	1.4



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CERTIFICATE OF ANALYSIS VO19091106

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100152 A0100153 A0100154 A0100155 A0100156						
A0100157 A0100158 A0100159 A0100160 A0100161		73	1.3	23.9	44	139.5
A0100162 A0100163 A0100164 A0100165 A0100166						
A0100167 A0100168 A0100169 A0100170 A0100171						
A0100172 A0100173 A0100174 A0100175 A0100176						
A0100177 A0100178 A0100179 A0100180 A0100181		83	1.4	9.3	75	138.5
A0100182 A0100183 A0100184 A0100185 A0100186						
A0100187 A0100188 A0100189 A0100190 A0100191		59	4.7	10.3	55	117.0



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19091106

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100192		2.25	0.152													
A0100193		1.28	0.032													
A0100194		1.51	0.010													
A0100195		1.52	0.011													
A0100196		1.99	0.016													
A0100197		2.05	0.023													
A0100198		2.13	0.084													
A0100199		1.89	0.037													
A0100200		0.07	0.501													
A0100201		1.40	0.290													
A0100202		1.37	0.016	0.08	6.87	15.3	950	2.56	0.25	4.29	0.09	107.0	17.1	69	4.22	36.3
A0100203		2.09	0.028													
A0100204		1.40	0.045													
A0100205		2.19	0.038													
A0100206		2.16	0.056													
A0100207		2.09	0.066													
A0100208		0.07	3.02													
A0100209		2.08	0.148													
A0100210		2.09	0.047													
A0100211		2.15	0.073													
A0100212		2.16	0.291													
A0100213		2.09	0.043													
A0100214		2.08	0.083													
A0100215		2.04	0.076													
A0100216		2.07	0.186													
A0100217		2.06	0.130													
A0100218		2.21	0.040													
A0100219		2.21	0.026													
A0100220		2.10	0.018	0.10	7.20	16.4	1060	2.08	0.17	6.34	0.05	139.0	10.9	48	2.37	20.4
A0100221		1.98	0.012													
A0100222		1.97	0.011													



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CERTIFICATE OF ANALYSIS VO19091106

Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
A0100192 A0100193 A0100194 A0100195 A0100196																
A0100197 A0100198 A0100199 A0100200 A0100201																
A0100202 A0100203 A0100204 A0100205 A0100206		3.42	19.35	0.16	3.1	0.026	1.93	48.0	86.0	1.50	829	5.52	4.91	16.6	66.2	1110
A0100207 A0100208 A0100209 A0100210 A0100211																
A0100212 A0100213 A0100214 A0100215 A0100216																
A0100217 A0100218 A0100219 A0100220 A0100221		3.00	18.70	0.20	3.2	0.028	2.17	67.6	44.2	1.43	700	5.50	4.18	12.6	38.2	1920
A0100222																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100192 A0100193 A0100194 A0100195 A0100196																
A0100197 A0100198 A0100199 A0100200 A0100201																
A0100202 A0100203 A0100204 A0100205 A0100206		11.8	73.7	0.003	1.07	2.29	7.9	1	0.5	1555	0.37	0.07	6.98	0.256	0.83	1.5
A0100207 A0100208 A0100209 A0100210 A0100211																
A0100212 A0100213 A0100214 A0100215 A0100216																
A0100217 A0100218 A0100219 A0100220 A0100221		6.6	70.7	0.002	0.78	2.30	7.9	1	0.6	2190	0.29	0.11	5.54	0.256	0.52	1.6
A0100222																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100192 A0100193 A0100194 A0100195 A0100196						
A0100197 A0100198 A0100199 A0100200 A0100201						
A0100202 A0100203 A0100204 A0100205 A0100206		84	2.9	11.3	111	140.0
A0100207 A0100208 A0100209 A0100210 A0100211						
A0100212 A0100213 A0100214 A0100215 A0100216						
A0100217 A0100218 A0100219 A0100220 A0100221		92	3.7	14.8	59	139.5
A0100222						



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CERTIFICATE OF ANALYSIS VO19091106

CERTIFICATE COMMENTS																
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>	Au-ICP21	ME-MS61													
Au-ICP21	ME-MS61															



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CERTIFICATE VO19091113

Project: DOUAY
 P.O. No.: shipment MGM1901
 This report is for 137 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468001		2.08	0.158													
V468002		1.93	0.166													
V468003		2.08	0.137													
V468004		2.35	0.066													
V468005		2.03	0.004													
V468006		1.83	0.037													
V468007		1.83	0.061													
V468008		0.07	0.147													
V468009		1.99	0.046													
V468010		1.97	0.021													
V468011		2.03	0.058													
V468012		2.19	0.087													
V468013		1.93	0.053													
V468014		1.63	0.018													
V468015		2.42	0.019													
V468016		2.04	0.055													
V468017		1.29	0.010													
V468018		1.41	0.027													
V468019		1.22	0.197													
V468020		2.25	0.247	0.35	7.19	2.2	1190	1.25	0.57	3.04	0.15	58.2	8.3	25	1.00	55.4
V468021		2.14	0.056													
V468022		1.90	0.213													
V468023		2.10	1.120													
V468024		0.85	0.273													
V468025		0.91	0.321													
V468026		1.80	0.255													
V468027		2.25	0.039													
V468028		2.30	0.418													
V468029		2.46	0.457													
V468030		2.05	0.453													
V468031		2.26	0.587													
V468032		1.90	0.159													
V468033		2.62	2.20													
V468034		2.19	5.03													
V468035		2.25	0.019													
V468036		2.14	0.013													
V468037		1.91	0.014													
V468038		2.59	0.090													
V468039		1.94	0.008	0.04	6.69	2.5	1090	0.50	0.03	4.79	0.09	120.0	7.2	22	1.36	7.9
V468040		0.51	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468001 V468002 V468003 V468004 V468005		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468006 V468007 V468008 V468009 V468010																
V468011 V468012 V468013 V468014 V468015																
V468016 V468017 V468018 V468019 V468020		2.26	20.4	0.16	2.5	0.013	5.92	21.2	33.7	0.68	535	1.39	3.33	18.0	20.6	1020
V468021 V468022 V468023 V468024 V468025																
V468026 V468027 V468028 V468029 V468030																
V468031 V468032 V468033 V468034 V468035																
V468036 V468037 V468038 V468039 V468040		2.74	18.90	0.23	2.8	0.024	6.22	40.4	2.0	1.00	1160	0.35	0.99	22.5	14.5	2890



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V468001		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468002																
V468003																
V468004																
V468005																
V468006																
V468007																
V468008																
V468009																
V468010																
V468011																
V468012																
V468013																
V468014																
V468015																
V468016																
V468017																
V468018																
V468019																
V468020		10.9	109.5	0.002	0.53	2.53	2.3	1	0.4	387	0.60	0.19	3.34	0.196	0.83	1.4
V468021																
V468022																
V468023																
V468024																
V468025																
V468026																
V468027																
V468028																
V468029																
V468030																
V468031																
V468032																
V468033																
V468034																
V468035																
V468036																
V468037																
V468038																
V468039		4.9	96.2	<0.002	0.08	4.42	5.6	1	0.3	318	0.75	<0.05	3.80	0.225	1.16	1.4
V468040																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468001 V468002 V468003 V468004 V468005						
V468006 V468007 V468008 V468009 V468010						
V468011 V468012 V468013 V468014 V468015						
V468016 V468017 V468018 V468019 V468020		136	16.8	5.1	75	133.5
V468021 V468022 V468023 V468024 V468025						
V468026 V468027 V468028 V468029 V468030						
V468031 V468032 V468033 V468034 V468035						
V468036 V468037 V468038 V468039 V468040		112	45.5	13.4	73	138.5



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468041		2.09	0.079													
V468042		2.48	0.224													
V468043		2.16	0.309													
V468044		1.99	0.132													
V468045		2.22	0.147													
V468046		2.16	0.210													
V468047		2.21	1.135													
V468048		2.18	5.06													
V468049		1.59	1.355													
V468050		1.45	0.132													
V468051		1.56	8.49													
V468052		2.68	4.38													
V468053		2.30	1.960													
V468054		2.08	0.318													
V468055		1.99	0.485													
V468056		0.07	0.502													
V468057		2.26	1.080													
V468058		2.02	1.205													
V468059		1.96	1.005													
V468060		1.66	0.618	0.27	6.52	6.7	1850	0.96	0.23	6.18	0.17	171.5	32.3	77	1.40	70.9
V468061		2.12	0.282													
V468062		2.01	0.273													
V468063		2.38	0.176													
V468064		2.91	1.070													
V468065		2.53	0.029													
V468066		2.20	0.019													
V468067		2.65	0.188													
V468068		2.65	0.023													
V468069		2.22	0.047													
V468070		1.94	0.046													
V468071		2.29	0.005													
V468072		2.10	0.010													
V468073		<0.02	0.009													
V468074		2.02	0.006													
V468075		2.12	0.150													
V468076		2.07	0.233													
V468077		2.33	0.821													
V468078		1.39	5.21													
V468079		1.26	1.195													
V468080		1.59	0.084	0.19	5.74	3.6	1020	1.45	0.33	8.45	0.28	233	24.0	63	1.00	8.6



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19091113

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468041 V468042 V468043 V468044 V468045		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468046 V468047 V468048 V468049 V468050																
V468051 V468052 V468053 V468054 V468055																
V468056 V468057 V468058 V468059 V468060		5.08	15.80	0.30	1.9	0.043	5.31	64.4	13.3	1.31	1880	3.95	1.27	27.2	74.3	1970
V468061 V468062 V468063 V468064 V468065																
V468066 V468067 V468068 V468069 V468070																
V468071 V468072 V468073 V468074 V468075																
V468076 V468077 V468078 V468079 V468080		5.99	14.85	0.35	3.2	0.069	5.53	92.9	6.0	2.35	1900	64.1	1.49	32.2	63.5	2120



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CERTIFICATE OF ANALYSIS VO19091113

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V468041 V468042 V468043 V468044 V468045		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468046 V468047 V468048 V468049 V468050																
V468051 V468052 V468053 V468054 V468055																
V468056 V468057 V468058 V468059 V468060		16.0	120.5	0.007	1.45	6.81	21.3	1	0.5	1350	0.61	0.14	6.93	0.344	0.93	2.6
V468061 V468062 V468063 V468064 V468065																
V468066 V468067 V468068 V468069 V468070																
V468071 V468072 V468073 V468074 V468075																
V468076 V468077 V468078 V468079 V468080		10.4	131.0	0.024	1.00	10.10	12.1	1	0.9	454	1.29	0.16	6.35	0.438	0.68	2.3



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CERTIFICATE OF ANALYSIS VO19091113

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468041 V468042 V468043 V468044 V468045						
V468046 V468047 V468048 V468049 V468050						
V468051 V468052 V468053 V468054 V468055						
V468056 V468057 V468058 V468059 V468060		219	45.3	22.0	114	119.0
V468061 V468062 V468063 V468064 V468065						
V468066 V468067 V468068 V468069 V468070						
V468071 V468072 V468073 V468074 V468075						
V468076 V468077 V468078 V468079 V468080		230	117.0	17.4	168	158.0



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468081		2.42	0.019													
V468082		2.41	0.189													
V468083		2.17	0.027													
V468084		1.63	0.378													
V468085		2.14	0.227													
V468086		2.14	0.021													
V468087		1.83	0.132													
V468088		0.45	0.001													
V468089		1.09	0.053													
V468090		0.99	0.006													
V468091		1.65	0.006													
V468092		2.06	0.589													
V468093		1.48	0.453													
V468094		1.69	0.017													
V468095		1.15	0.061													
V468096		1.50	0.259													
V468097		2.15	0.077													
V468098		2.95	0.082													
V468099		1.86	0.070													
V468100		2.47	0.015	0.13	6.29	23.7	560	3.33	0.10	10.45	0.11	347	19.2	17	5.46	236
V468101		2.16	0.015													
V468102		1.94	0.016													
V468103		2.40	0.012													
V468104		0.07	2.98													
V468105		2.61	0.032													
V468106		2.06	0.011													
V468107		2.33	0.039													
V468108		2.40	0.103													
V468109		2.61	0.031													
V468110		2.53	0.009													
V468111		2.28	0.010													
V468112		1.86	0.010													
V468113		2.39	0.010													
V468114		2.01	0.003													
V468115		2.12	0.074													
V468116		2.35	0.051													
V468117		2.23	0.229													
V468118		2.21	0.015													
V468119		2.64	0.011													
V468120		0.89	0.008	0.18	3.84	18.4	60	3.64	0.20	13.40	0.09	>500	26.8	8	0.98	271



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468081 V468082 V468083 V468084 V468085		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468086 V468087 V468088 V468089 V468090																
V468091 V468092 V468093 V468094 V468095																
V468096 V468097 V468098 V468099 V468100		4.06	15.25	0.55	2.5	0.032	5.35	119.5	129.5	1.36	1160	1.06	1.75	14.0	21.4	8040
V468101 V468102 V468103 V468104 V468105																
V468106 V468107 V468108 V468109 V468110																
V468111 V468112 V468113 V468114 V468115																
V468116 V468117 V468118 V468119 V468120		5.58	15.70	1.12	3.8	0.035	1.34	256	32.4	2.32	1230	0.53	2.19	10.8	11.4	>10000



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
V468081 V468082 V468083 V468084 V468085																				
V468086 V468087 V468088 V468089 V468090																				
V468091 V468092 V468093 V468094 V468095																				
V468096 V468097 V468098 V468099 V468100					8.4	189.5	0.002	0.27	3.44	5.9	1	0.5	945	0.80	<0.05	11.50	0.255	0.78	1.6	
V468101 V468102 V468103 V468104 V468105																				
V468106 V468107 V468108 V468109 V468110																				
V468111 V468112 V468113 V468114 V468115																				
V468116 V468117 V468118 V468119 V468120					10.2	65.2	0.002	0.33	3.55	4.9	1	0.5	1065	1.08	<0.05	48.2	0.351	0.25	2.8	

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468081 V468082 V468083 V468084 V468085						
V468086 V468087 V468088 V468089 V468090						
V468091 V468092 V468093 V468094 V468095						
V468096 V468097 V468098 V468099 V468100		160	15.3	39.3	42	144.5
V468101 V468102 V468103 V468104 V468105						
V468106 V468107 V468108 V468109 V468110						
V468111 V468112 V468113 V468114 V468115						
V468116 V468117 V468118 V468119 V468120		156	8.8	73.7	31	237



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Sample Description	Method	Analyte	Units	LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
V468121					1.17	0.011														
V468122					1.92	0.019														
V468123					2.30	0.016														
V468124					1.38	0.010														
V468125					2.00	0.022														
V468126					2.05	0.028														
V468127					2.87	0.004														
V468128					2.16	0.016														
V468129					1.61	0.022														
V468130					2.27	0.009														
V468131					2.59	0.010														
V468132					2.10	0.007														
V468133					1.99	0.005														
V468134					2.28	0.022														
V468135					1.71	0.001														
V468136					0.52	<0.001														
V468137					2.28	0.012														

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V468121 V468122 V468123 V468124 V468125																				
V468126 V468127 V468128 V468129 V468130																				
V468131 V468132 V468133 V468134 V468135																				
V468136 V468137																				

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
V468121 V468122 V468123 V468124 V468125																				
V468126 V468127 V468128 V468129 V468130																				
V468131 V468132 V468133 V468134 V468135																				
V468136 V468137																				



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CERTIFICATE OF ANALYSIS VO19091113

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
V468121 V468122 V468123 V468124 V468125						
V468126 V468127 V468128 V468129 V468130						
V468131 V468132 V468133 V468134 V468135						
V468136 V468137						



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CERTIFICATE OF ANALYSIS VO19091113

CERTIFICATE COMMENTS																
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>	Au-ICP21	ME-MS61													
Au-ICP21	ME-MS61															



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CERTIFICATE VO19091125

Project: DOUAY
 P.O. No.: shipment MGM1901
 This report is for 137 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468138		2.53	0.021													
V468139		2.24	<0.001													
V468140		2.12	0.006													
V468141		1.93	0.031	1.58	6.40	8.9	330	0.39	1.38	8.37	0.19	140.5	5.4	10	1.24	125.0
V468142		1.44	0.305													
V468143		2.10	0.352													
V468144		1.79	0.012													
V468145		2.06	0.009													
V468146		2.15	0.003													
V468147		2.59	0.002													
V468148		1.84	<0.001													
V468149		2.10	<0.001													
V468150		2.02	0.030													
V468151		2.09	0.006													
V468152		0.07	0.139													
V468153		2.12	<0.001													
V468154		2.31	0.003													
V468155		1.53	0.004													
V468156		1.97	0.007													
V468157		2.06	0.012													
V468158		1.43	0.008													
V468159		2.60	0.008													
V468160		2.38	0.007	0.14	7.12	1.8	190	3.53	0.24	13.00	0.13	290	6.2	14	0.94	133.0
V468161		0.84	0.002													
V468162		2.09	0.003													
V468163		1.70	0.001													
V468164		2.07	0.003													
V468165		2.10	0.003													
V468166		2.16	0.005													
V468167		2.52	0.010													
V468168		2.63	0.002													
V468169		<0.02	0.001													
V468170		2.57	0.002													
V468171		2.25	0.002													
V468172		2.22	0.002													
V468173		1.95	0.003													
V468174		2.07	0.001													
V468175		2.35	0.008													
V468176		2.12	0.009													
V468177		1.71	0.002													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468138 V468139 V468140 V468141 V468142		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468143 V468144 V468145 V468146 V468147																
V468148 V468149 V468150 V468151 V468152																
V468153 V468154 V468155 V468156 V468157																
V468158 V468159 V468160 V468161 V468162		1.28	14.85	0.27	2.0	0.013	6.19	53.6	1.9	0.52	522	15.20	2.52	4.8	8.9	3870
V468163 V468164 V468165 V468166 V468167																
V468168 V468169 V468170 V468171 V468172																
V468173 V468174 V468175 V468176 V468177																



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V468138 V468139 V468140 V468141 V468142		30.8	173.5	0.002	0.01	0.05	2.5	<1	<0.2	727	0.13	0.21	3.78	0.028	0.96	2.7
V468143 V468144 V468145 V468146 V468147																
V468148 V468149 V468150 V468151 V468152																
V468153 V468154 V468155 V468156 V468157																
V468158 V468159 V468160 V468161 V468162		16.1	127.0	0.002	0.10	0.36	3.5	1	<0.2	883	0.12	<0.05	6.35	0.040	0.51	1.5
V468163 V468164 V468165 V468166 V468167																
V468168 V468169 V468170 V468171 V468172																
V468173 V468174 V468175 V468176 V468177																



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V468138 V468139 V468140 V468141 V468142		15	3.7	19.3	34	118.0
V468143 V468144 V468145 V468146 V468147						
V468148 V468149 V468150 V468151 V468152						
V468153 V468154 V468155 V468156 V468157						
V468158 V468159 V468160 V468161 V468162		90	3.2	27.4	25	32.4
V468163 V468164 V468165 V468166 V468167						
V468168 V468169 V468170 V468171 V468172						
V468173 V468174 V468175 V468176 V468177						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468178		2.39	0.011													
V468179		2.67	0.337													
V468180		2.35	0.012	0.27	7.31	7.7	950	1.57	0.13	8.78	0.07	77.8	46.5	136	3.94	270
V468181		1.97	0.001													
V468182		2.28	0.002													
V468183		2.02	0.001													
V468184		0.48	<0.001													
V468185		2.10	0.002													
V468186		2.13	0.002													
V468187		2.38	0.001													
V468188		2.28	0.002													
V468189		2.09	0.004													
V468190		1.90	0.004													
V468191		2.66	0.008													
V468192		2.35	<0.001													
V468193		1.48	0.001													
V468194		2.01	0.006													
V468195		2.39	0.002													
V468196		2.07	0.001													
V468197		2.06	0.004													
V468198		2.30	0.019													
V468199		2.16	0.016	0.42	6.68	4.1	720	2.10	1.32	7.09	0.10	192.0	40.7	110	2.69	177.0
V468200		0.07	0.500													
V468201		2.14	0.007													
V468202		2.11	0.005													
V468203		1.92	0.004													
V468204		2.12	0.003													
V468205		2.23	0.006													
V468206		2.36	0.005													
V468207		2.24	0.007													
V468208		0.07	3.19													
V468209		2.22	0.015													
V468210		2.42	0.023													
V468211		2.10	0.007													
V468212		2.27	0.008													
V468213		2.11	0.011													
V468214		2.18	0.003													
V468215		2.05	<0.001													
V468216		2.10	0.002													
V468217		2.09	0.015													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468178 V468179 V468180 V468181 V468182		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468183 V468184 V468185 V468186 V468187																
V468188 V468189 V468190 V468191 V468192																
V468193 V468194 V468195 V468196 V468197																
V468198 V468199 V468200 V468201 V468202		5.31	15.35	0.19	1.1	0.044	0.83	94.1	49.5	2.67	1560	191.5	4.75	10.5	203	470
V468203 V468204 V468205 V468206 V468207																
V468208 V468209 V468210 V468211 V468212																
V468213 V468214 V468215 V468216 V468217																



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V468178 V468179 V468180 V468181 V468182		6.1	53.3	0.003	1.71	0.47	35.1	2	0.5	1065	0.12	0.11	3.46	0.468	0.25	1.0
V468183 V468184 V468185 V468186 V468187																
V468188 V468189 V468190 V468191 V468192																
V468193 V468194 V468195 V468196 V468197																
V468198 V468199 V468200 V468201 V468202		21.1	37.1	0.112	1.63	0.45	27.3	1	0.3	866	0.11	0.47	7.42	0.295	0.17	1.7
V468203 V468204 V468205 V468206 V468207																
V468208 V468209 V468210 V468211 V468212																
V468213 V468214 V468215 V468216 V468217																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468178 V468179 V468180 V468181 V468182		240	1.8	20.0	104	41.2
V468183 V468184 V468185 V468186 V468187						
V468188 V468189 V468190 V468191 V468192						
V468193 V468194 V468195 V468196 V468197						
V468198 V468199 V468200 V468201 V468202		129	5.5	19.1	82	48.3
V468203 V468204 V468205 V468206 V468207						
V468208 V468209 V468210 V468211 V468212						
V468213 V468214 V468215 V468216 V468217						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468218		2.16	0.025													
V468219		2.09	0.001													
V468220		2.03	0.020	0.16	7.20	6.5	820	2.15	0.20	5.62	0.06	133.0	37.8	48	2.65	54.7
V468221		2.01	0.006													
V468222		2.11	<0.001													
V468223		2.21	0.004													
V468224		1.01	0.001													
V468225		1.03	0.001													
V468226		1.94	0.011													
V468227		2.10	0.003													
V468228		2.03	0.049													
V468229		2.18	0.270													
V468230		2.17	0.002													
V468231		2.17	0.001													
V468232		2.36	<0.001													
V468233		2.38	<0.001													
V468234		2.45	<0.001													
V468235		2.39	0.002													
V468236		2.21	0.005													
V468237		2.28	0.001													
V468238		1.82	0.005													
V468239		2.22	0.002	0.14	6.55	4.0	1890	2.54	0.10	6.89	0.08	73.8	46.6	25	6.84	133.5
V468240		0.51	<0.001													
V468241		2.35	0.006													
V468242		2.22	0.001													
V468243		2.04	0.001													
V468244		2.25	0.001													
V468245		2.48	0.001													
V468246		2.22	0.001													
V468247		2.27	0.003													
V468248		2.11	0.001													
V468249		2.14	0.001													
V468250		2.10	<0.001													
V468251		2.06	0.004													
V468252		2.10	0.004													
V468253		2.10	0.003													
V468254		2.09	0.005													
V468255		2.16	0.002													
V468256		0.07	0.134													
V468257		2.27	0.004													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468218 V468219 V468220 V468221 V468222		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468223 V468224 V468225 V468226 V468227																
V468228 V468229 V468230 V468231 V468232																
V468233 V468234 V468235 V468236 V468237																
V468238 V468239 V468240 V468241 V468242		7.75	16.70	0.14	1.9	0.056	1.68	31.9	77.5	3.08	2160	4.26	3.68	7.8	58.4	880
V468243 V468244 V468245 V468246 V468247																
V468248 V468249 V468250 V468251 V468252																
V468253 V468254 V468255 V468256 V468257																



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V468218 V468219 V468220 V468221 V468222		3.8	84.8	0.002	0.44	0.89	11.3	1	0.6	740	0.70	0.05	4.38	0.243	0.30	1.3
V468223 V468224 V468225 V468226 V468227																
V468228 V468229 V468230 V468231 V468232																
V468233 V468234 V468235 V468236 V468237																
V468238 V468239 V468240 V468241 V468242		5.4	91.6	0.004	0.43	0.36	41.1	1	0.5	611	0.17	0.05	2.58	0.460	0.41	1.2
V468243 V468244 V468245 V468246 V468247																
V468248 V468249 V468250 V468251 V468252																
V468253 V468254 V468255 V468256 V468257																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468218 V468219 V468220 V468221 V468222		101	5.1	11.8	62	156.0
V468223 V468224 V468225 V468226 V468227						
V468228 V468229 V468230 V468231 V468232						
V468233 V468234 V468235 V468236 V468237						
V468238 V468239 V468240 V468241 V468242		268	1.2	22.9	129	84.4
V468243 V468244 V468245 V468246 V468247						
V468248 V468249 V468250 V468251 V468252						
V468253 V468254 V468255 V468256 V468257						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468258		1.98	0.004													
V468259		2.23	0.011													
V468260		2.22	0.003	0.22	7.04	4.1	1720	5.26	0.35	6.81	0.15	238	22.6	25	4.72	129.0
V468261		2.15	0.001													
V468262		2.53	0.001													
V468263		2.21	<0.001													
V468264		2.06	0.005													
V468265		2.12	0.006													
V468266		2.13	0.002													
V468267		2.21	0.001													
V468268		2.07	0.002													
V468269		2.40	0.005													
V468270		2.00	0.002													
V468271		2.42	<0.001													
V468272		2.70	0.001													
V468273		<0.02	0.001													
V468274		2.31	0.002													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V468258 V468259 V468260 V468261 V468262		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468263 V468264 V468265 V468266 V468267		5.55	18.75	0.31	4.2	0.029	1.76	92.9	95.3	1.72	1540	1.69	4.00	46.7	26.3	2580
V468268 V468269 V468270 V468271 V468272																
V468273 V468274																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468258 V468259 V468260 V468261 V468262		25.0	108.5	0.002	0.17	1.14	16.3	1	0.8	747	0.80	0.05	17.35	0.318	0.31	4.5
V468263 V468264 V468265 V468266 V468267																
V468268 V468269 V468270 V468271 V468272																
V468273 V468274																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468258 V468259 V468260 V468261 V468262		184	5.7	24.4	152	214
V468263 V468264 V468265 V468266 V468267						
V468268 V468269 V468270 V468271 V468272						
V468273 V468274						



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CERTIFICATE COMMENTS

	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table border="0" style="width: 100%;"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19097476

Project: DOUAY
 P.O. No.: Shipment MGM1904
 This report is for 150 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 24-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468483		1.12	0.010													
V468484		1.49	0.015													
V468485		2.01	0.007													
V468486		2.07	<0.001													
V468487		1.91	0.002													
V468488		0.40	<0.001													
V468489		1.54	<0.001													
V468490		1.95	<0.001													
V468491		1.91	<0.001													
V468492		2.08	<0.001													
V468493		2.07	0.007													
V468494		2.18	0.009													
V468495		2.15	0.044													
V468496		2.26	0.034													
V468497		2.15	0.013													
V468498		2.27	0.009													
V468499		2.25	0.002													
V468500		2.22	0.013	0.35	6.69	4.5	600	3.34	0.49	4.35	0.11	98.1	13.2	48	2.08	56.1
V468501		2.14	0.001													
V468502		1.80	0.003													
V468503		1.90	0.001													
V468504		0.07	0.139													
V468505		1.71	0.006													
V468506		1.70	0.026													
V468507		1.97	0.031													
V468508		2.31	0.008													
V468509		2.13	0.002													
V468510		2.08	0.034													
V468511		1.85	0.002													
V468512		2.12	0.028													
V468513		2.08	0.020													
V468514		1.94	0.005													
V468515		1.87	0.010													
V468516		1.92	0.011													
V468517		2.06	0.011													
V468518		1.77	0.003													
V468519		1.80	0.024													
V468520		1.03	0.043	0.30	6.75	4.1	940	0.76	0.17	3.68	0.09	56.1	7.9	25	0.76	42.8
V468521		0.89	0.170													
V468522		2.00	0.064													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468483 V468484 V468485 V468486 V468487		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468488 V468489 V468490 V468491 V468492																
V468493 V468494 V468495 V468496 V468497																
V468498 V468499 V468500 V468501 V468502		3.16	19.45	0.21	3.2	0.027	2.74	43.8	57.9	1.20	674	1.73	4.83	10.6	30.4	870
V468503 V468504 V468505 V468506 V468507																
V468508 V468509 V468510 V468511 V468512																
V468513 V468514 V468515 V468516 V468517																
V468518 V468519 V468520 V468521 V468522		2.52	20.1	0.18	2.4	0.016	5.37	21.1	3.5	0.79	762	9.65	3.79	17.3	15.9	1180



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468483 V468484 V468485 V468486 V468487																
V468488 V468489 V468490 V468491 V468492																
V468493 V468494 V468495 V468496 V468497																
V468498 V468499 V468500 V468501 V468502		22.7	57.7	<0.002	0.55	0.59	7.3	<1	0.5	960	0.22	0.56	5.83	0.176	0.22	1.7
V468503 V468504 V468505 V468506 V468507																
V468508 V468509 V468510 V468511 V468512																
V468513 V468514 V468515 V468516 V468517																
V468518 V468519 V468520 V468521 V468522		7.6	85.4	0.016	0.26	3.47	3.8	<1	0.5	314	0.52	0.07	2.20	0.144	0.48	1.3



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468483 V468484 V468485 V468486 V468487							82.9	96.3 93.8
V468488 V468489 V468490 V468491 V468492								
V468493 V468494 V468495 V468496 V468497								
V468498 V468499 V468500 V468501 V468502		83	4.4	10.7	79	154.0		
V468503 V468504 V468505 V468506 V468507								
V468508 V468509 V468510 V468511 V468512								
V468513 V468514 V468515 V468516 V468517								
V468518 V468519 V468520 V468521 V468522		73	15.0	6.5	73	113.5	78.7	98.7



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468523		1.91	0.007													
V468524		1.74	0.015													
V468525		2.00	0.003													
V468526		2.04	0.013													
V468527		2.31	0.010													
V468528		1.98	0.011													
V468529		2.09	0.115													
V468530		1.97	0.005													
V468531		2.09	0.016													
V468532		2.23	0.006													
V468533		2.11	0.003													
V468534		1.96	0.050													
V468535		1.94	0.001													
V468536		0.62	<0.001													
V468537		1.82	<0.001													
V468538		1.95	<0.001													
V468539		2.01	0.004													
V468540		1.89	<0.001	0.05	7.48	4.0	830	2.45	0.08	4.83	0.06	125.5	14.4	62	4.20	23.4
V468541		2.05	<0.001													
V468542		1.91	0.001													
V468543		1.94	<0.001													
V468544		2.17	<0.001													
V468545		2.21	<0.001													
V468546		2.13	<0.001													
V468547		2.15	<0.001													
V468548		2.18	<0.001													
V468549		2.20	<0.001													
V468550		2.10	0.001													
V468551		2.25	0.008													
V468552		0.07	0.500													
V468553		2.11	0.116													
V468554		1.95	0.001													
V468555		1.96	<0.001													
V468556		1.94	<0.001													
V468557		1.87	0.003													
V468558		2.18	0.002													
V468559		2.20	0.003													
V468560		2.45	0.001	0.21	7.53	3.1	690	4.32	0.40	4.86	0.10	127.0	14.4	67	4.40	46.5
V468561		2.10	<0.001													
V468562		2.35	<0.001													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468523 V468524 V468525 V468526 V468527		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468528 V468529 V468530 V468531 V468532																
V468533 V468534 V468535 V468536 V468537																
V468538 V468539 V468540 V468541 V468542		3.49	19.15	0.22	2.5	0.030	2.14	57.1	83.3	1.57	663	0.61	4.78	12.2	37.8	990
V468543 V468544 V468545 V468546 V468547																
V468548 V468549 V468550 V468551 V468552																
V468553 V468554 V468555 V468556 V468557																
V468558 V468559 V468560 V468561 V468562		3.38	22.4	0.27	3.9	0.028	2.38	55.5	134.0	1.51	699	1.33	5.01	21.3	39.4	900



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V468523 V468524 V468525 V468526 V468527																
V468528 V468529 V468530 V468531 V468532																
V468533 V468534 V468535 V468536 V468537																
V468538 V468539 V468540 V468541 V468542		9.7	84.8	<0.002	0.06	0.45	9.4	<1	0.6	1320	0.35	<0.05	6.41	0.269	0.27	1.6
V468543 V468544 V468545 V468546 V468547																
V468548 V468549 V468550 V468551 V468552																
V468553 V468554 V468555 V468556 V468557																
V468558 V468559 V468560 V468561 V468562		25.8	100.5	<0.002	0.15	0.50	8.9	<1	0.5	1575	0.31	<0.05	10.35	0.209	0.38	2.8



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V468523 V468524 V468525 V468526 V468527								92.5
V468528 V468529 V468530 V468531 V468532								
V468533 V468534 V468535 V468536 V468537								
V468538 V468539 V468540 V468541 V468542		89	0.6	13.0	92	109.0		
V468543 V468544 V468545 V468546 V468547								
V468548 V468549 V468550 V468551 V468552								
V468553 V468554 V468555 V468556 V468557								
V468558 V468559 V468560 V468561 V468562		85	1.0	16.7	102	203	76.9	95.5



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Project: DOUAY

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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468563		2.28	<0.001													
V468564		2.28	<0.001													
V468565		2.16	<0.001													
V468566		1.98	0.017													
V468567		2.02	0.001													
V468568		1.87	<0.001													
V468569		<0.02	<0.001													
V468570		1.82	0.001													
V468571		1.75	0.005													
V468572		1.66	0.001													
V468573		1.61	0.002													
V468574		1.61	0.008													
V468575		1.51	0.005													
V468576		1.78	0.017													
V468577		2.38	0.005													
V468578		2.19	0.003													
V468579		2.14	0.001													
V468580		2.15	<0.001	0.10	6.47	3.3	680	2.99	0.16	4.47	0.06	79.3	13.3	64	1.04	37.3
V468581		2.40	0.009													
V468582		2.40	0.005													
V468583		2.17	0.009													
V468584		0.62	<0.001													
V468585		1.93	0.019													
V468586		1.81	0.027													
V468587		2.62	0.016													
V468588		1.91	0.016													
V468589		2.10	0.035													
V468590		2.11	0.008													
V468591		1.77	<0.001													
V468592		1.32	0.020													
V468593		2.68	0.198													
V468594		2.38	0.177													
V468595		1.87	0.019													
V468596		2.22	0.065													
V468597		2.10	0.132													
V468598		2.06	0.753													
V468599		2.30	0.089	1.96	6.84	4.4	1110	1.98	0.37	3.07	0.15	34.2	3.4	5	0.93	435
V468600		0.07	2.99													
V468601		1.94	0.045													
V468602		2.01	0.015													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468563 V468564 V468565 V468566 V468567		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468568 V468569 V468570 V468571 V468572																
V468573 V468574 V468575 V468576 V468577																
V468578 V468579 V468580 V468581 V468582		3.20	19.00	0.20	2.9	0.021	2.71	33.4	89.6	1.44	672	0.69	4.78	10.3	38.4	830
V468583 V468584 V468585 V468586 V468587																
V468588 V468589 V468590 V468591 V468592																
V468593 V468594 V468595 V468596 V468597																
V468598 V468599 V468600 V468601 V468602		2.56	22.6	0.19	3.8	0.034	5.84	11.2	8.1	0.54	990	3.32	3.19	21.6	2.7	630



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468563 V468564 V468565 V468566 V468567																
V468568 V468569 V468570 V468571 V468572																
V468573 V468574 V468575 V468576 V468577																
V468578 V468579 V468580 V468581 V468582		9.8	61.1	<0.002	0.05	0.78	7.5	1	0.5	957	0.25	<0.05	5.50	0.167	0.19	1.4
V468583 V468584 V468585 V468586 V468587																
V468588 V468589 V468590 V468591 V468592																
V468593 V468594 V468595 V468596 V468597																
V468598 V468599 V468600 V468601 V468602		30.2	105.5	0.006	0.68	3.41	3.6	<1	0.8	341	0.56	0.12	2.46	0.083	0.47	1.3



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468563 V468564 V468565 V468566 V468567								
V468568 V468569 V468570 V468571 V468572								
V468573 V468574 V468575 V468576 V468577								
V468578 V468579 V468580 V468581 V468582		87	1.3	9.1	63	137.0		
V468583 V468584 V468585 V468586 V468587						82.7		
V468588 V468589 V468590 V468591 V468592								
V468593 V468594 V468595 V468596 V468597								
V468598 V468599 V468600 V468601 V468602		82	12.7	6.5	61	221	78.1	96.7



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468603		1.84	0.041													
V468604		1.58	0.027													
V468605		1.47	0.005													
V468606		1.76	0.015													
V468607		1.60	0.048													
V468608		0.07	0.142													
V468609		1.59	0.025													
V468610		1.51	0.017													
V468611		1.64	0.026													
V468612		1.53	1.795													
V468613		2.11	0.578													
V468614		2.03	0.092													
V468615		2.14	0.118													
V468616		2.18	0.043													
V468617		1.79	0.004													
V468618		1.98	0.085													
V468619		2.06	0.036													
V468620		2.00	0.028	0.36	6.53	1.8	800	1.66	0.09	2.64	0.09	34.9	3.5	13	0.53	65.9
V468621		2.10	0.048													
V468622		2.60	0.245													
V468623		2.60	0.350													
V468624		1.05	0.038													
V468625		1.47	0.021													
V468626		2.80	0.021													
V468627		2.34	0.043													
V468628		2.60	0.058													
V468629		2.73	0.009													
V468630		2.76	0.001													
V468631		2.42	0.006													
V468632		2.16	0.002													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V468603 V468604 V468605 V468606 V468607		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468608 V468609 V468610 V468611 V468612																
V468613 V468614 V468615 V468616 V468617																
V468618 V468619 V468620 V468621 V468622		1.39	21.0	0.18	2.4	0.009	3.44	13.6	10.1	0.52	369	0.50	4.91	11.7	6.9	610
V468623 V468624 V468625 V468626 V468627																
V468628 V468629 V468630 V468631 V468632																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468603 V468604 V468605 V468606 V468607																
V468608 V468609 V468610 V468611 V468612																
V468613 V468614 V468615 V468616 V468617																
V468618 V468619 V468620 V468621 V468622		3.3	55.5	<0.002	0.04	2.34	2.0	1	0.4	357	0.42	0.14	1.35	0.082	0.25	0.4
V468623 V468624 V468625 V468626 V468627																
V468628 V468629 V468630 V468631 V468632																



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CERTIFICATE OF ANALYSIS VO19097476

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468603 V468604 V468605 V468606 V468607								
V468608 V468609 V468610 V468611 V468612								
V468613 V468614 V468615 V468616 V468617								
V468618 V468619 V468620 V468621 V468622		40	5.4	3.3	41	125.0		
V468623 V468624 V468625 V468626 V468627								
V468628 V468629 V468630 V468631 V468632								



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	CERTIFICATE COMMENTS														
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>LOG-21d</td></tr><tr><td>LOG-24</td><td>PUL-31</td><td>PUL-31d</td><td>PUL-QC</td></tr><tr><td>SPL-21</td><td>SPL-21d</td><td>WEI-21</td><td></td></tr></table> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table><tr><td>Au-ICP21</td><td>ME-MS61</td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21		Au-ICP21	ME-MS61
CRU-31	CRU-QC	LOG-21	LOG-21d												
LOG-24	PUL-31	PUL-31d	PUL-QC												
SPL-21	SPL-21d	WEI-21													
Au-ICP21	ME-MS61														



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CERTIFICATE VO19097485

Project: DOUAY
 P.O. No.: Shipment MGM1904
 This report is for 150 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 24-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468633		2.17	0.056													
V468634		2.23	0.022													
V468635		2.18	0.036													
V468636		2.14	0.013													
V468637		2.35	0.014													
V468638		2.22	0.010													
V468639		2.40	0.024	0.30	7.73	1.7	1290	1.16	0.14	2.14	0.05	32.2	2.9	8	0.73	71.6
V468640		0.73	0.001													
V468641		2.63	0.021													
V468642		2.65	0.008													
V468643		2.56	0.008													
V468644		2.75	0.009													
V468645		2.74	0.018													
V468646		2.85	0.028													
V468647		2.52	0.016													
V468648		2.59	0.009													
V468649		2.48	0.052													
V468650		1.73	0.004													
V468651		1.82	0.005													
V468652		1.82	0.010													
V468653		1.93	0.002													
V468654		1.72	0.005													
V468655		1.71	0.005													
V468656		0.06	0.499													
V468657		1.80	0.021													
V468658		1.74	0.013													
V468659		2.02	0.039													
V468660		1.42	0.012	0.16	6.36	1.4	990	2.26	0.05	2.47	0.04	38.0	2.9	9	0.71	36.2
V468661		2.03	0.020													
V468662		2.32	0.020													
V468663		2.17	0.022													
V468664		1.98	0.051													
V468665		2.05	0.020													
V468666		1.93	0.046													
V468667		1.90	0.158													
V468668		1.98	0.044													
V468669		2.06	0.007													
V468670		2.12	0.009													
V468671		2.04	0.099													
V468672		2.20	0.007													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468633 V468634 V468635 V468636 V468637		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468638 V468639 V468640 V468641 V468642		1.17	23.5	0.24	2.1	0.006	4.03	10.4	0.9	0.24	381	0.43	4.96	12.9	4.1	440
V468643 V468644 V468645 V468646 V468647																
V468648 V468649 V468650 V468651 V468652																
V468653 V468654 V468655 V468656 V468657																
V468658 V468659 V468660 V468661 V468662		1.17	24.4	0.24	2.3	0.005	4.86	12.7	0.9	0.21	380	0.55	3.99	10.9	3.7	500
V468663 V468664 V468665 V468666 V468667																
V468668 V468669 V468670 V468671 V468672																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V468633 V468634 V468635 V468636 V468637		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468638 V468639 V468640 V468641 V468642		4.3	86.1	<0.002	0.06	0.66	1.4	<1	0.3	1305	0.29	0.10	1.76	0.087	0.22	0.4
V468643 V468644 V468645 V468646 V468647																
V468648 V468649 V468650 V468651 V468652																
V468653 V468654 V468655 V468656 V468657																
V468658 V468659 V468660 V468661 V468662		3.3	100.0	0.002	0.05	1.28	1.1	<1	0.4	1590	0.26	0.05	2.38	0.080	0.33	0.4
V468663 V468664 V468665 V468666 V468667																
V468668 V468669 V468670 V468671 V468672																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	CRU-QC	PUL-QC
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Pass2mm % 0.01	Pass75um % 0.01
V468633 V468634 V468635 V468636 V468637							80.8	94.2 86.0
V468638 V468639 V468640 V468641 V468642		26	3.9	3.9	34	94.1		
V468643 V468644 V468645 V468646 V468647								
V468648 V468649 V468650 V468651 V468652								
V468653 V468654 V468655 V468656 V468657								
V468658 V468659 V468660 V468661 V468662		27	3.3	5.5	35	97.3		
V468663 V468664 V468665 V468666 V468667								
V468668 V468669 V468670 V468671 V468672							71.1	98.3



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468673		<0.02	0.007													
V468674		2.21	0.017													
V468675		2.39	0.020													
V468676		2.12	0.018													
V468677		2.29	0.007													
V468678		2.06	0.041													
V468679		2.31	0.006													
V468680		2.27	0.002	0.09	7.03	1.4	1270	1.13	0.23	2.61	0.10	57.5	4.8	10	0.70	33.8
V468681		2.08	0.001													
V468682		2.21	0.003													
V468683		2.17	0.001													
V468684		2.24	0.011													
V468685		2.18	0.015													
V468686		2.33	0.026													
V468687		2.20	0.014													
V468688		0.44	<0.001													
V468689		2.16	0.006													
V468690		2.22	0.019													
V468691		2.11	0.009													
V468692		2.64	0.024													
V468693		2.77	0.005													
V468694		2.79	0.004													
V468695		2.76	0.001													
V468696		2.82	<0.001													
V468697		2.63	0.005													
V468698		2.84	0.005													
V468699		2.74	0.002													
V468700		2.76	<0.001	0.06	6.89	0.8	700	2.21	0.06	3.91	0.08	77.7	10.2	55	0.40	3.8
V468701		2.04	0.016													
V468702		2.13	0.004													
V468703		1.93	0.008													
V468704		0.06	2.99													
V468705		1.87	0.018													
V468706		2.12	0.008													
V468707		1.91	0.004													
V468708		2.15	0.007													
V468709		2.21	0.005													
V468710		2.06	0.003													
V468711		2.57	0.009													
V468712		2.34	0.064													



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		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
V468673 V468674 V468675 V468676 V468677																
V468678 V468679 V468680 V468681 V468682		1.75	22.8	0.28	2.6	0.014	4.23	20.6	1.7	0.34	566	2.56	4.53	22.5	4.9	500
V468683 V468684 V468685 V468686 V468687																
V468688 V468689 V468690 V468691 V468692																
V468693 V468694 V468695 V468696 V468697																
V468698 V468699 V468700 V468701 V468702		2.60	24.0	0.22	3.5	0.018	2.27	36.0	1.4	1.00	545	0.30	4.95	10.0	29.5	570
V468703 V468704 V468705 V468706 V468707																
V468708 V468709 V468710 V468711 V468712																



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V468673 V468674 V468675 V468676 V468677		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468678 V468679 V468680 V468681 V468682		6.8	78.9	0.005	0.11	1.34	1.8	<1	0.7	1430	0.61	<0.05	2.18	0.159	0.32	0.8
V468683 V468684 V468685 V468686 V468687																
V468688 V468689 V468690 V468691 V468692																
V468693 V468694 V468695 V468696 V468697																
V468698 V468699 V468700 V468701 V468702		9.9	45.8	<0.002	0.04	1.26	6.7	<1	0.5	909	0.22	<0.05	5.91	0.131	0.20	1.3
V468703 V468704 V468705 V468706 V468707																
V468708 V468709 V468710 V468711 V468712																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468673 V468674 V468675 V468676 V468677								
V468678 V468679 V468680 V468681 V468682		55	6.9	5.7	56	111.5		
V468683 V468684 V468685 V468686 V468687								
V468688 V468689 V468690 V468691 V468692								
V468693 V468694 V468695 V468696 V468697								
V468698 V468699 V468700 V468701 V468702		39	2.4	8.7	84	160.0		
V468703 V468704 V468705 V468706 V468707								
V468708 V468709 V468710 V468711 V468712							74.4	99.3



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468713		2.19	0.002													
V468714		2.14	0.007													
V468715		2.83	0.004													
V468716		2.58	0.006													
V468717		2.77	0.046													
V468718		2.82	0.009													
V468719		3.05	0.113													
V468720		0.92	0.049	0.39	6.80	3.2	840	1.50	1.10	4.86	0.10	88.0	10.7	52	0.90	131.5
V468721		1.68	0.022													
V468722		2.79	0.004													
V468723		2.56	0.006													
V468724		2.79	0.006													
V468725		2.90	0.003													
V468726		2.66	0.001													
V468727		2.65	0.002													
V468728		2.75	0.003													
V468729		2.61	0.001													
V468730		2.55	<0.001													
V468731		2.79	0.002													
V468732		3.01	0.002													
V468733		2.41	0.003													
V468734		1.88	0.002													
V468735		2.20	0.010													
V468736		0.43	<0.001													
V468737		2.18	0.006													
V468738		2.22	0.002													
V468739		2.23	0.029													
V468740		2.12	0.011	0.06	6.50	1.1	650	2.43	0.09	4.72	0.08	56.5	11.9	57	0.48	2.2
V468741		2.25	0.005													
V468742		2.20	0.003													
V468743		1.52	0.010													
V468744		1.48	0.012													
V468745		1.56	0.005													
V468746		1.47	0.004													
V468747		2.56	0.001													
V468748		2.82	<0.001													
V468749		2.67	0.001													
V468750		2.76	<0.001													
V468751		2.59	0.008													
V468752		0.07	0.142													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468713 V468714 V468715 V468716 V468717		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468718 V468719 V468720 V468721 V468722		3.40	18.00	0.27	3.5	0.021	6.01	34.0	4.6	1.16	925	0.41	2.32	17.5	27.3	1730
V468723 V468724 V468725 V468726 V468727																
V468728 V468729 V468730 V468731 V468732																
V468733 V468734 V468735 V468736 V468737																
V468738 V468739 V468740 V468741 V468742		3.20	19.75	0.22	3.5	0.020	2.58	22.5	2.5	1.22	952	0.18	4.64	14.3	30.8	630
V468743 V468744 V468745 V468746 V468747																
V468748 V468749 V468750 V468751 V468752																



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V468713 V468714 V468715 V468716 V468717		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468718 V468719 V468720 V468721 V468722		8.1	125.5	<0.002	0.05	2.14	7.6	<1	0.7	903	0.42	<0.05	4.05	0.182	0.46	1.2
V468723 V468724 V468725 V468726 V468727																
V468728 V468729 V468730 V468731 V468732																
V468733 V468734 V468735 V468736 V468737																
V468738 V468739 V468740 V468741 V468742		6.9	59.4	<0.002	0.04	1.44	6.9	<1	0.5	743	0.33	<0.05	2.71	0.165	0.19	0.8
V468743 V468744 V468745 V468746 V468747																
V468748 V468749 V468750 V468751 V468752																



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		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Pass2mm % 0.01	Pass75um % 0.01
V468713 V468714 V468715 V468716 V468717								
V468718 V468719 V468720 V468721 V468722		81	6.5	10.5	85	164.0		
V468723 V468724 V468725 V468726 V468727								96.0 95.0
V468728 V468729 V468730 V468731 V468732								
V468733 V468734 V468735 V468736 V468737								
V468738 V468739 V468740 V468741 V468742		69	3.0	8.0	86	144.0		
V468743 V468744 V468745 V468746 V468747								
V468748 V468749 V468750 V468751 V468752							82.6	



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468753		2.24	0.011													
V468754		1.86	0.001													
V468755		2.30	0.063													
V468756		2.09	0.035													
V468757		1.63	0.019													
V468758		1.52	0.004													
V468759		1.46	0.028													
V468760		1.54	0.015	1.86	6.34	2.5	1540	1.09	3.75	5.75	0.14	66.9	4.5	30	1.01	47.1
V468761		1.48	0.002													
V468762		1.54	0.003													
V468763		1.52	0.003													
V468764		1.39	0.024													
V468765		1.79	0.087													
V468766		1.71	0.003													
V468767		1.66	0.001													
V468768		1.59	0.003													
V468769		<0.02	0.002													
V468770		1.66	0.004													
V468771		2.02	0.001													
V468772		2.05	0.011													
V468773		2.20	<0.001													
V468774		1.97	0.006													
V468775		2.34	0.006													
V468776		2.31	0.005													
V468777		2.12	0.005													
V468778		2.09	0.006													
V468779		1.67	0.010													
V468780		1.71	0.003	0.31	4.82	2.5	4020	1.04	0.87	2.42	0.06	6.81	0.7	10	1.52	32.1
V468781		1.51	0.007													
V468782		1.76	0.010													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468753 V468754 V468755 V468756 V468757		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468758 V468759 V468760 V468761 V468762		1.16	21.6	0.31	1.7	0.009	6.67	33.3	1.7	0.41	328	33.4	1.65	6.7	13.4	260
V468763 V468764 V468765 V468766 V468767																
V468768 V468769 V468770 V468771 V468772																
V468773 V468774 V468775 V468776 V468777																
V468778 V468779 V468780 V468781 V468782		0.33	22.6	0.25	0.2	<0.005	6.36	2.6	1.0	0.04	127	26.6	1.41	1.0	2.4	40

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



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CERTIFICATE OF ANALYSIS VO19097485

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468753 V468754 V468755 V468756 V468757																
V468758 V468759 V468760 V468761 V468762		224	97.2	0.050	0.13	3.70	3.3	1	0.3	1155	0.11	0.14	2.65	0.076	0.65	2.0
V468763 V468764 V468765 V468766 V468767																
V468768 V468769 V468770 V468771 V468772																
V468773 V468774 V468775 V468776 V468777																
V468778 V468779 V468780 V468781 V468782		29.4	85.3	0.029	0.10	0.57	0.5	<1	<0.2	941	<0.05	0.07	0.18	0.008	0.76	0.3



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CERTIFICATE OF ANALYSIS VO19097485

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	CRU-QC	PUL-QC
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Pass2mm % 0.01	Pass75um % 0.01
V468753 V468754 V468755 V468756 V468757							81.1	95.3
V468758 V468759 V468760 V468761 V468762		38	9.3	6.5	43	71.9		
V468763 V468764 V468765 V468766 V468767								
V468768 V468769 V468770 V468771 V468772								
V468773 V468774 V468775 V468776 V468777								
V468778 V468779 V468780 V468781 V468782		6	0.7	1.0	7	8.5		



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CERTIFICATE OF ANALYSIS VO19097485

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19097550

Project: Douay
 P.O. No.: Shipment MGM1904
 This report is for 150 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 24-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
LOD	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468783		1.72	0.003													
V468784		0.49	0.001													
V468785		1.74	0.003													
V468786		1.68	0.032													
V468787		1.50	0.026													
V468788		1.86	0.007													
V468789		1.41	0.004													
V468790		1.99	0.009													
V468791		1.68	0.006													
V468792		1.92	0.003													
V468793		2.18	0.008													
V468794		1.89	0.003													
V468795		2.10	0.003													
V468796		1.96	0.003													
V468797		1.86	0.028													
V468798		2.10	0.015													
V468799		1.72	0.003	0.21	8.36	2.2	1260	1.38	0.48	1.81	0.05	39.8	4.1	27	1.19	43.6
V468800		0.07	0.517													
V468801		1.71	0.003													
V468802		1.78	0.002													
V468803		1.80	0.003													
V468804		1.84	0.032													
V468805		1.81	0.031													
V468806		1.48	0.021													
V468807		1.93	0.023													
V468808		0.07	2.96													
V468809		2.12	0.038													
V468810		1.90	0.006													
V468811		1.97	0.003													
V468812		1.81	0.012													
V468813		1.91	0.032													
V468814		1.79	0.011													
V468815		2.07	0.012													
V468816		1.73	0.017													
V468817		2.10	0.013													
V468818		1.90	0.008													
V468819		2.36	0.011													
V468820		1.99	0.020	1.00	7.24	<0.2	750	1.63	1.72	2.18	0.04	17.80	2.0	16	0.58	18.3
V468821		1.99	0.016													
V468822		1.74	0.005													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468783 V468784 V468785 V468786 V468787		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468788 V468789 V468790 V468791 V468792																
V468793 V468794 V468795 V468796 V468797																
V468798 V468799 V468800 V468801 V468802		1.27	25.1	0.15	1.6	0.010	6.99	16.2	2.4	0.40	258	8.48	3.02	5.8	11.9	260
V468803 V468804 V468805 V468806 V468807																
V468808 V468809 V468810 V468811 V468812																
V468813 V468814 V468815 V468816 V468817																
V468818 V468819 V468820 V468821 V468822		0.65	26.7	0.11	0.5	<0.005	3.12	7.5	0.9	0.15	164	32.4	5.62	2.1	5.6	110



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468783 V468784 V468785 V468786 V468787																
V468788 V468789 V468790 V468791 V468792																
V468793 V468794 V468795 V468796 V468797																
V468798 V468799 V468800 V468801 V468802		13.8	119.5	0.016	0.07	1.87	3.0	<1	0.3	1000	0.13	<0.05	3.54	0.083	0.60	1.2
V468803 V468804 V468805 V468806 V468807																
V468808 V468809 V468810 V468811 V468812																
V468813 V468814 V468815 V468816 V468817																
V468818 V468819 V468820 V468821 V468822		66.2	63.9	0.038	0.05	0.64	1.3	<1	<0.2	719	<0.05	0.15	0.90	0.031	0.28	0.4



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	CRU-QC	PUL-QC
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Pass2mm % 0.01	Pass75um % 0.01
V468783 V468784 V468785 V468786 V468787							84.6	95.8
V468788 V468789 V468790 V468791 V468792								94.9
V468793 V468794 V468795 V468796 V468797								
V468798 V468799 V468800 V468801 V468802		39	6.2	4.8	37	88.7		
V468803 V468804 V468805 V468806 V468807								
V468808 V468809 V468810 V468811 V468812								96.5 99.3
V468813 V468814 V468815 V468816 V468817								
V468818 V468819 V468820 V468821 V468822		18	3.4	2.2	19	22.0	79.9	97.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468823		1.95	0.005													
V468824		1.00	<0.001													
V468825		0.78	0.002													
V468826		1.85	0.002													
V468827		1.76	0.003													
V468828		1.58	0.003													
V468829		1.30	0.007													
V468830		1.63	0.008													
V468831		1.64	0.008													
V468832		1.97	0.008													
V468833		1.54	0.005													
V468834		1.65	0.002													
V468835		1.65	0.011													
V468836		1.63	0.017													
V468837		1.61	0.002													
V468838		2.11	0.019													
V468839		1.35	0.007	1.75	6.69	1.6	850	1.40	1.52	2.60	0.09	28.7	6.8	36	0.61	48.5
V468840		0.78	<0.001													
V468841		1.24	0.003													
V468842		1.71	0.007													
V468843		1.28	0.005													
V468844		1.97	0.004													
V468845		1.80	0.003													
V468846		1.87	0.003													
V468847		2.11	0.002													
V468848		2.09	0.034													
V468849		1.98	0.020													
V468850		2.14	0.017													
V468851		2.15	0.002													
V468852		2.08	0.001													
V468853		2.15	0.007													
V468854		1.82	0.017													
V468855		1.96	0.015													
V468856		0.07	0.141													
V468857		1.95	0.004													
V468858		1.91	<0.001													
V468859		1.72	0.004													
V468860		2.22	0.006	1.07	6.29	1.7	3490	0.96	1.60	1.59	0.08	10.30	1.1	12	1.40	13.0
V468861		1.75	0.009													
V468862		2.06	0.016													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468823 V468824 V468825 V468826 V468827		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468828 V468829 V468830 V468831 V468832																
V468833 V468834 V468835 V468836 V468837																
V468838 V468839 V468840 V468841 V468842		1.73	23.2	0.19	1.3	0.011	3.75	11.0	1.6	0.55	379	11.35	4.68	5.5	18.6	320
V468843 V468844 V468845 V468846 V468847																
V468848 V468849 V468850 V468851 V468852																
V468853 V468854 V468855 V468856 V468857																
V468858 V468859 V468860 V468861 V468862		0.38	21.7	0.23	0.3	<0.005	7.61	4.1	0.7	0.07	103	6.74	1.92	1.2	2.9	110



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V468823 V468824 V468825 V468826 V468827																
V468828 V468829 V468830 V468831 V468832																
V468833 V468834 V468835 V468836 V468837																
V468838 V468839 V468840 V468841 V468842		76.6	71.0	0.010	0.10	1.93	3.4	1	0.3	894	0.11	0.06	1.65	0.082	0.35	2.9
V468843 V468844 V468845 V468846 V468847																
V468848 V468849 V468850 V468851 V468852																
V468853 V468854 V468855 V468856 V468857																
V468858 V468859 V468860 V468861 V468862		73.5	106.5	0.012	0.11	0.73	1.0	1	<0.2	1170	<0.05	0.05	0.41	0.015	0.81	0.1



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468823 V468824 V468825 V468826 V468827								
V468828 V468829 V468830 V468831 V468832								
V468833 V468834 V468835 V468836 V468837								
V468838 V468839 V468840 V468841 V468842		52	10.4	3.9	54	54.7		
V468843 V468844 V468845 V468846 V468847								
V468848 V468849 V468850 V468851 V468852								
V468853 V468854 V468855 V468856 V468857								
V468858 V468859 V468860 V468861 V468862		8	2.0	1.3	9	10.7	78.6	98.5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468863		2.18	0.012													
V468864		2.05	0.002													
V468865		2.09	0.023													
V468866		2.35	0.029													
V468867		2.22	0.041													
V468868		2.20	0.018													
V468869		2.15	0.058													
V468870		1.65	0.171													
V468871		2.18	0.031													
V468872		2.02	0.009													
V468873		<0.02	0.010													
V468874		2.20	0.018													
V468875		2.33	0.012													
V468876		2.10	0.033													
V468877		2.06	0.012													
V468878		2.10	0.013													
V468879		2.34	0.037													
V468880		2.29	0.085	0.43	7.60	2.7	770	0.91	0.11	5.04	0.13	149.0	13.3	43	0.48	16.6
V468881		2.24	0.103													
V468882		2.05	0.113													
V468883		1.92	0.334													
V468884		2.01	0.774													
V468885		1.92	0.100													
V468886		2.41	2.64													
V468887		1.76	0.024													
V468888		0.48	0.003													
V468889		1.78	0.015													
V468890		2.25	0.015													
V468891		2.10	0.040													
V468892		2.00	0.040													
V468893		1.59	0.005													
V468894		1.59	0.049													
V468895		2.03	0.057													
V468896		2.38	0.056													
V468897		2.32	0.037													
V468898		2.24	0.002													
V468899		2.25	0.001													
V468900		1.81	0.001	0.09	7.95	2.7	1480	0.80	0.21	1.85	0.63	64.3	2.9	7	0.91	16.5
V468901		1.75	0.003													
V468902		1.70	0.010													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468863 V468864 V468865 V468866 V468867		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468868 V468869 V468870 V468871 V468872																
V468873 V468874 V468875 V468876 V468877																
V468878 V468879 V468880 V468881 V468882		3.42	19.70	0.22	3.5	0.022	2.88	71.4	3.0	1.30	771	0.68	4.79	18.1	28.5	860
V468883 V468884 V468885 V468886 V468887																
V468888 V468889 V468890 V468891 V468892																
V468893 V468894 V468895 V468896 V468897																
V468898 V468899 V468900 V468901 V468902		1.08	24.3	0.20	1.9	0.010	4.28	26.0	0.6	0.25	288	0.34	5.03	11.2	3.7	410



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
V468863 V468864 V468865 V468866 V468867		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468868 V468869 V468870 V468871 V468872																
V468873 V468874 V468875 V468876 V468877																
V468878 V468879 V468880 V468881 V468882		22.3	60.8	<0.002	0.07	2.23	7.9	1	0.7	1475	0.48	0.23	9.02	0.245	0.28	7.8
V468883 V468884 V468885 V468886 V468887																
V468888 V468889 V468890 V468891 V468892																
V468893 V468894 V468895 V468896 V468897																
V468898 V468899 V468900 V468901 V468902		31.5	95.4	0.002	0.18	3.29	2.1	1	0.5	2930	0.39	<0.05	4.54	0.155	0.48	1.0



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468863 V468864 V468865 V468866 V468867								99.0 99.2
V468868 V468869 V468870 V468871 V468872								
V468873 V468874 V468875 V468876 V468877								
V468878 V468879 V468880 V468881 V468882		101	18.2	16.3	98	148.5		
V468883 V468884 V468885 V468886 V468887								
V468888 V468889 V468890 V468891 V468892								
V468893 V468894 V468895 V468896 V468897								
V468898 V468899 V468900 V468901 V468902		60	15.9	5.9	123	74.9	84.0	97.7



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468903		1.78	0.004													
V468904		0.07	0.509													
V468905		1.87	0.001													
V468906		1.55	0.005													
V468907		2.01	0.022													
V468908		1.80	0.004													
V468909		2.16	<0.001													
V468910		2.13	0.001													
V468911		2.22	0.003													
V468912		2.29	0.067													
V468913		2.32	0.002													
V468914		2.17	0.033													
V468915		2.36	0.002													
V468916		2.33	<0.001													
V468917		2.15	0.003													
V468918		2.52	0.030													
V468919		2.37	0.057													
V468920		0.95	0.099	0.13	6.14	2.7	930	1.23	0.10	7.11	0.24	98.8	19.3	39	0.62	114.0
V468921		0.94	0.296													
V468922		1.94	0.082													
V468923		2.10	0.124													
V468924		1.95	0.015													
V468925		1.83	0.004													
V468926		1.81	0.007													
V468927		2.02	0.015													
V468928		2.19	0.176													
V468929		2.25	0.043													
V468930		2.26	0.277													
V468931		2.34	0.074													
V468932		1.90	0.140													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468903 V468904 V468905 V468906 V468907		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468908 V468909 V468910 V468911 V468912																
V468913 V468914 V468915 V468916 V468917																
V468918 V468919 V468920 V468921 V468922		5.15	16.85	0.23	3.4	0.044	4.06	47.8	2.6	1.34	1460	4.17	2.78	17.8	30.5	620
V468923 V468924 V468925 V468926 V468927																
V468928 V468929 V468930 V468931 V468932																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468903 V468904 V468905 V468906 V468907																
V468908 V468909 V468910 V468911 V468912																
V468913 V468914 V468915 V468916 V468917																
V468918 V468919 V468920 V468921 V468922		7.8	100.5	0.005	0.15	3.21	17.4	1	0.8	1700	0.32	0.06	5.68	0.349	0.37	2.4
V468923 V468924 V468925 V468926 V468927																
V468928 V468929 V468930 V468931 V468932																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468903 V468904 V468905 V468906 V468907								
V468908 V468909 V468910 V468911 V468912								
V468913 V468914 V468915 V468916 V468917								
V468918 V468919 V468920 V468921 V468922		161	26.2	17.2	134	146.5		
V468923 V468924 V468925 V468926 V468927								
V468928 V468929 V468930 V468931 V468932								



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CERTIFICATE OF ANALYSIS VO19097550

	CERTIFICATE COMMENTS															
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	<p>Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 34%;"></td> </tr> </table>	Au-ICP21	ME-MS61													
Au-ICP21	ME-MS61															



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P.O. No.: Shipment MGM1904

This report is for 152 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 24-APR-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS
EVEN STAVRE

VIVIAN PARK

FRED SPEIDEL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468933		1.28	0.021													
V468934		1.83	0.121													
V468935		1.74	0.004													
V468936		0.43	<0.001													
V468937		2.05	0.550													
V468938		2.35	0.033													
V468939		2.33	2.36													
V468940		2.12	0.889	0.48	5.86	3.8	930	0.47	0.57	3.10	0.16	86.3	9.8	30	0.83	35.1
V468941		2.06	0.274													
V468942		2.21	0.109													
V468943		2.13	0.795													
V468944		2.52	0.067													
V468945		2.40	0.458													
V468946		1.59	0.198													
V468947		1.04	0.896													
V468948		1.58	0.507													
V468949		1.89	0.301													
V468950		1.90	0.111													
V468951		1.98	0.223													
V468952		0.07	3.03													
V468953		2.39	1.645													
V468954		1.99	0.017													
V468955		1.78	0.020													
V468956		2.30	0.008													
V468957		1.70	0.004													
V468958		1.83	0.049													
V468959		1.58	0.225													
V468960		1.90	0.284	0.21	6.43	3.8	1160	1.09	0.20	4.36	0.11	29.3	17.6	64	1.43	106.0
V468961		2.23	1.075													
V468962		2.89	0.353													
V468963		2.82	0.640													
V468964		2.85	0.120													
V468965		2.12	0.071													
V468966		2.21	0.098													
V468967		2.24	0.139													
V468968		2.31	0.043													
V468969		<0.02	0.056													
V468970		2.17	0.102													
V468971		1.87	0.248													
V468972		2.21	0.028													



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CERTIFICATE OF ANALYSIS VO19097555

Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
V468933 V468934 V468935 V468936 V468937																
V468938 V468939 V468940 V468941 V468942		2.44	16.50	0.23	2.9	0.019	5.66	38.3	1.6	0.60	675	8.13	1.94	12.8	10.3	800
V468943 V468944 V468945 V468946 V468947																
V468948 V468949 V468950 V468951 V468952																
V468953 V468954 V468955 V468956 V468957																
V468958 V468959 V468960 V468961 V468962		3.31	19.65	0.15	2.0	0.025	5.94	11.0	12.8	0.95	849	1.18	2.40	26.0	42.6	340
V468963 V468964 V468965 V468966 V468967																
V468968 V468969 V468970 V468971 V468972																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468933 V468934 V468935 V468936 V468937																
V468938 V468939 V468940 V468941 V468942		25.4	95.4	0.004	0.59	3.21	5.1	1	0.6	1440	0.29	0.14	5.29	0.205	0.52	1.9
V468943 V468944 V468945 V468946 V468947																
V468948 V468949 V468950 V468951 V468952																
V468953 V468954 V468955 V468956 V468957																
V468958 V468959 V468960 V468961 V468962		9.6	84.6	0.004	0.24	1.19	10.8	1	0.4	1710	0.45	0.08	1.16	0.184	0.62	0.7
V468963 V468964 V468965 V468966 V468967																
V468968 V468969 V468970 V468971 V468972																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	CRU-QC	PUL-QC
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Pass2mm % 0.01	Pass75um % 0.01
V468933 V468934 V468935 V468936 V468937							83.5	90.7 92.7
V468938 V468939 V468940 V468941 V468942		96	17.0	10.7	79	119.5		
V468943 V468944 V468945 V468946 V468947							71.2	
V468948 V468949 V468950 V468951 V468952								
V468953 V468954 V468955 V468956 V468957								
V468958 V468959 V468960 V468961 V468962		128	8.4	5.6	65	93.4		
V468963 V468964 V468965 V468966 V468967								
V468968 V468969 V468970 V468971 V468972							76.9	88.5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468973		2.16	0.053													
V468974		2.17	0.178													
V468975		2.26	1.070													
V468976		2.14	0.596													
V468977		1.89	2.30													
V468978		1.80	0.785													
V468979		1.93	0.166													
V468980		1.88	0.047	0.15	6.73	3.9	430	1.07	0.22	6.47	0.24	373	13.6	11	1.12	134.0
V468981		2.21	0.032													
V468982		2.14	0.336													
V468983		1.86	0.066													
V468984		0.61	0.002													
V468985		1.71	0.011													
V468986		1.89	0.006													
V468987		2.09	0.234													
V468988		2.02	0.122													
V468989		1.68	0.464													
V468990		1.31	1.290													
V468991		2.01	0.018													
V468992		1.82	0.002													
V468993		1.95	0.127													
V468994		1.94	0.065													
V468995		1.86	0.035													
V468996		2.18	7.53													
V468997		1.92	0.236													
V468998		1.69	0.356	1.54	6.38	9.6	1050	0.84	2.05	4.48	0.03	103.0	14.4	13	1.43	32.4
V468999		1.92	0.038													
V469000		0.06	0.140													
V469001		2.23	0.015													
V469002		2.25	0.019													
V469003		2.02	0.020													
V469004		2.12	0.026													
V469005		1.64	0.027													
V469006		1.76	0.047													
V469007		1.18	0.047													
V469008		0.07	0.136													
V469009		2.29	0.017													
V469010		2.46	0.031													
V469011		2.10	0.116													
V469012		2.06	0.145													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468973 V468974 V468975 V468976 V468977		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468978 V468979 V468980 V468981 V468982		3.83	21.7	0.52	2.9	0.034	5.27	110.0	8.9	1.34	1070	0.66	2.39	31.3	9.1	6080
V468983 V468984 V468985 V468986 V468987																
V468988 V468989 V468990 V468991 V468992																
V468993 V468994 V468995 V468996 V468997																
V468998 V468999 V469000 V469001 V469002		2.11	21.9	0.28	5.5	0.015	5.90	42.8	3.0	1.12	661	198.0	2.81	46.8	18.3	1990
V469003 V469004 V469005 V469006 V469007																
V469008 V469009 V469010 V469011 V469012																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V468973 V468974 V468975 V468976 V468977																
V468978 V468979 V468980 V468981 V468982		16.9	118.0	0.003	0.49	3.97	3.9	1	0.5	724	1.28	0.09	13.65	0.284	0.55	14.6
V468983 V468984 V468985 V468986 V468987																
V468988 V468989 V468990 V468991 V468992																
V468993 V468994 V468995 V468996 V468997																
V468998 V468999 V469000 V469001 V469002		10.7	89.0	0.254	1.00	4.14	2.7	1	0.5	1270	1.11	0.53	7.20	0.177	0.70	4.2
V469003 V469004 V469005 V469006 V469007																
V469008 V469009 V469010 V469011 V469012																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V468973 V468974 V468975 V468976 V468977								
V468978 V468979 V468980 V468981 V468982		153	17.9	25.8	94	137.0		
V468983 V468984 V468985 V468986 V468987								
V468988 V468989 V468990 V468991 V468992								
V468993 V468994 V468995 V468996 V468997								
V468998 V468999 V469000 V469001 V469002		52	15.7	21.0	6	275		
V469003 V469004 V469005 V469006 V469007								
V469008 V469009 V469010 V469011 V469012							70.0	91.4



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469013		2.42	0.066													
V469014		2.55	0.075													
V469015		2.26	0.058													
V469016		2.13	0.017													
V469017		1.96	0.088													
V469018		2.25	0.215													
V469019		2.43	0.251													
V469020		1.93	0.088	0.17	5.39	3.6	680	0.82	0.77	5.87	0.15	185.0	25.1	55	0.58	122.5
V469021		2.16	0.124													
V469022		2.25	0.024													
V469023		2.19	0.334													
V469024		0.90	0.180													
V469025		1.09	0.133													
V469026		2.34	0.185													
V469027		2.44	0.064													
V469028		2.38	0.228													
V469029		2.36	0.069													
V469030		2.34	0.144													
V469031		2.33	0.114													
V469032		2.34	0.022													
V469033		2.14	0.013													
V469034		2.15	0.046													
V469035		2.20	0.023													
V469036		2.30	0.125													
V469037		2.27	0.092													
V469038		2.37	0.026													
V469039		2.30	0.020													
V469040		0.61	<0.001													
V469041		2.25	0.041	0.30	6.99	9.7	300	1.61	1.10	5.12	0.10	53.5	46.5	310	2.45	121.5
V469042		1.56	0.013													
V469043		1.45	0.006													
V469044		1.69	0.012													
V469045		2.31	0.013													
V469046		2.35	0.006													
V469047		2.33	0.016													
V469048		2.27	0.018													
V469049		2.48	0.008													
V469050		1.50	0.008													
V469051		1.39	0.002													
V469052		1.75	0.043													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469013 V469014 V469015 V469016 V469017		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469018 V469019 V469020 V469021 V469022		8.24	13.10	0.18	1.2	0.055	0.98	106.0	12.8	2.04	2880	6.17	3.53	3.1	39.8	250
V469023 V469024 V469025 V469026 V469027																
V469028 V469029 V469030 V469031 V469032																
V469033 V469034 V469035 V469036 V469037																
V469038 V469039 V469040 V469041 V469042		6.86	15.15	0.14	1.2	0.064	1.98	29.6	12.8	1.56	1790	2.92	3.12	7.5	115.0	260
V469043 V469044 V469045 V469046 V469047																
V469048 V469049 V469050 V469051 V469052																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V469013 V469014 V469015 V469016 V469017		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469018 V469019 V469020 V469021 V469022		6.0	39.7	0.008	2.51	2.70	27.8	2	0.3	1060	0.07	0.17	2.13	0.274	0.17	0.7
V469023 V469024 V469025 V469026 V469027																
V469028 V469029 V469030 V469031 V469032																
V469033 V469034 V469035 V469036 V469037																
V469038 V469039 V469040 V469041 V469042		4.8	90.6	0.012	1.21	2.07	34.2	2	0.4	277	0.09	0.36	1.07	0.272	0.48	6.5
V469043 V469044 V469045 V469046 V469047																
V469048 V469049 V469050 V469051 V469052																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V469013 V469014 V469015 V469016 V469017								
V469018 V469019 V469020 V469021 V469022		170	20.3	6.6	93	42.5		
V469023 V469024 V469025 V469026 V469027							98.1 97.1	
V469028 V469029 V469030 V469031 V469032								
V469033 V469034 V469035 V469036 V469037								
V469038 V469039 V469040 V469041 V469042		227	11.8	5.8	75	43.3		
V469043 V469044 V469045 V469046 V469047								
V469048 V469049 V469050 V469051 V469052							86.4 98.0	



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
V469053		2.36	0.031													
V469054		2.49	0.068													
V469055		2.26	0.084													
V469056		0.06	0.492													
V469057		2.01	0.019													
V469058		2.21	0.073													
V469059		2.32	0.016													
V469060		2.25	0.014	0.37	7.21	6.8	1160	2.32	0.77	6.77	0.16	104.0	47.2	295	1.89	134.5
V469061		2.45	0.027													
V469062		2.48	0.016													
V469063		2.39	0.019													
V469064		2.50	0.019													
V469065		2.38	0.012													
V469066		2.32	0.004													
V469067		2.39	0.004													
V469068		2.27	0.001													
V469069		2.36	0.010													
V469070		2.44	0.005													
V469071		1.39	0.010													
V469072		1.56	0.046													
V469073		<0.02	0.031													
V469074		1.60	0.027													
V469075		2.40	0.048													
V469076		2.30	0.031													
V469077		2.38	0.010													
V469078		2.53	0.018													
V469079		2.37	0.108													
V469080		2.37	0.032	0.31	7.05	7.8	220	0.89	0.65	8.26	0.06	35.8	47.5	242	2.43	40.6
V469081		2.51	0.050													
V469082		2.46	0.076													
V469083		2.43	0.092													
V469084		2.35	0.096													



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19097555

Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V469053 V469054 V469055 V469056 V469057		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469058 V469059 V469060 V469061 V469062		5.21	14.50	0.18	1.1	0.050	2.45	55.5	69.9	2.91	2010	1.86	2.94	3.5	144.0	250
V469063 V469064 V469065 V469066 V469067																
V469068 V469069 V469070 V469071 V469072																
V469073 V469074 V469075 V469076 V469077																
V469078 V469079 V469080 V469081 V469082		6.66	13.75	0.10	1.0	0.053	0.99	17.3	34.1	3.75	2330	17.00	2.48	1.8	122.0	220
V469083 V469084																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
V469053 V469054 V469055 V469056 V469057		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469058 V469059 V469060 V469061 V469062		6.2	116.0	0.002	0.78	3.51	37.4	1	0.4	790	0.06	0.19	4.53	0.281	0.52	0.6
V469063 V469064 V469065 V469066 V469067																
V469068 V469069 V469070 V469071 V469072																
V469073 V469074 V469075 V469076 V469077																
V469078 V469079 V469080 V469081 V469082		7.6	42.9	0.026	0.55	3.64	35.8	1	0.4	676	0.09	0.08	1.05	0.365	0.30	0.2
V469083 V469084																



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CERTIFICATE OF ANALYSIS VO19097555

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
V469053 V469054 V469055 V469056 V469057								
V469058 V469059 V469060 V469061 V469062		223	11.2	10.6	92	38.3		
V469063 V469064 V469065 V469066 V469067						88.5		
V469068 V469069 V469070 V469071 V469072								
V469073 V469074 V469075 V469076 V469077								
V469078 V469079 V469080 V469081 V469082		206	1.1	15.8	206	25.3		
V469083 V469084								



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CERTIFICATE COMMENTS													
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p>												
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>LOG-21d</td></tr><tr><td>LOG-24</td><td>PUL-31</td><td>PUL-31d</td><td>PUL-QC</td></tr><tr><td>SPL-21</td><td>SPL-21d</td><td>WEI-21</td><td></td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
	<p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <p>Au-ICP21 ME-MS61</p>												



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CERTIFICATE VO19103972

Project: DOUAY

This report is for 156 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 29-APR-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100223		1.94	0.062													
A0100224		0.89	0.096													
A0100225		0.93	0.047													
A0100226		2.05	0.318													
A0100227		2.27	0.473													
A0100228		2.03	0.104													
A0100229		2.21	0.146													
A0100230		2.21	0.355													
A0100231		2.06	0.131													
A0100232		2.12	0.054													
A0100233		2.09	0.090													
A0100234		2.25	0.085													
A0100235		2.11	0.142													
A0100236		2.21	0.129													
A0100237		2.15	0.418													
A0100238		2.10	0.256													
A0100239		2.17	0.344													
A0100240		0.55	0.001													
A0100241		2.33	0.324	0.49	7.30	44.3	90	0.93	0.63	4.62	0.09	116.0	14.0	48	1.58	15.6
A0100242		2.17	0.010													
A0100243		2.09	0.015													
A0100244		1.96	0.024													
A0100245		2.02	0.086													
A0100246		2.09	0.260													
A0100247		2.02	0.788													
A0100248		2.11	0.553													
A0100249		2.07	0.182													
A0100250		2.05	0.463													
A0100251		2.07	<0.001													
A0100252		1.95	<0.001													
A0100253		2.00	0.007													
A0100254		1.98	<0.001													
A0100255		2.00	<0.001													
A0100256		0.07	0.142													
A0100257		2.10	<0.001													
A0100258		1.99	<0.001													
A0100259		1.99	<0.001													
A0100260		1.99	0.003													
A0100261		1.90	0.003													
A0100262		2.02	0.004	0.63	7.63	43.9	990	2.69	0.15	5.51	0.12	289	37.9	110	10.25	84.9



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100223 A0100224 A0100225 A0100226 A0100227		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100228 A0100229 A0100230 A0100231 A0100232																
A0100233 A0100234 A0100235 A0100236 A0100237																
A0100238 A0100239 A0100240 A0100241 A0100242		3.25	18.15	0.14	2.9	0.025	0.98	53.8	14.2	1.53	684	10.20	5.00	6.8	41.6	980
A0100243 A0100244 A0100245 A0100246 A0100247																
A0100248 A0100249 A0100250 A0100251 A0100252																
A0100253 A0100254 A0100255 A0100256 A0100257																
A0100258 A0100259 A0100260 A0100261 A0100262		5.38	19.90	0.25	3.9	0.041	2.99	141.0	42.5	2.04	997	2.91	3.32	22.5	106.0	1740



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100223 A0100224 A0100225 A0100226 A0100227																
A0100228 A0100229 A0100230 A0100231 A0100232																
A0100233 A0100234 A0100235 A0100236 A0100237																
A0100238 A0100239 A0100240 A0100241 A0100242		8.8	33.9	0.008	1.63	3.04	6.2	<1	0.5	218	0.19	0.24	11.35	0.189	0.23	1.4
A0100243 A0100244 A0100245 A0100246 A0100247																
A0100248 A0100249 A0100250 A0100251 A0100252																
A0100253 A0100254 A0100255 A0100256 A0100257																
A0100258 A0100259 A0100260 A0100261 A0100262		20.9	126.0	<0.002	0.32	3.06	12.3	<1	0.7	1105	0.36	0.17	8.74	0.465	0.65	3.2

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100223 A0100224 A0100225 A0100226 A0100227						
A0100228 A0100229 A0100230 A0100231 A0100232						
A0100233 A0100234 A0100235 A0100236 A0100237						
A0100238 A0100239 A0100240 A0100241 A0100242		72	8.9	11.1	49	118.0
A0100243 A0100244 A0100245 A0100246 A0100247						
A0100248 A0100249 A0100250 A0100251 A0100252						
A0100253 A0100254 A0100255 A0100256 A0100257						
A0100258 A0100259 A0100260 A0100261 A0100262		162	1.8	19.0	110	181.0



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100263		2.02	<0.001													
A0100264		2.06	<0.001													
A0100265		2.04	<0.001													
A0100266		2.19	<0.001													
A0100267		2.16	<0.001													
A0100268		2.05	<0.001													
A0100269		1.93	<0.001													
A0100270		2.03	<0.001													
A0100271		2.01	<0.001													
A0100272		0.79	<0.001													
A0100273		0.98	<0.001													
A0100274		1.92	<0.001													
A0100275		1.86	0.001													
A0100276		1.98	<0.001													
A0100277		2.04	<0.001													
A0100278		2.02	0.008													
A0100279		2.02	<0.001													
A0100280		2.02	<0.001	0.12	7.43	34.5	920	1.44	0.11	6.19	0.05	223	13.8	56	3.71	28.7
A0100281		2.11	<0.001													
A0100282		2.07	0.001													
A0100283		2.24	0.002													
A0100284		1.91	0.003													
A0100285		1.92	<0.001													
A0100286		1.94	<0.001													
A0100287		2.11	<0.001													
A0100288		0.57	<0.001													
A0100289		1.96	<0.001													
A0100290		2.00	<0.001													
A0100291		2.12	0.009													
A0100292		1.76	0.005													
A0100293		2.00	0.002													
A0100294		1.90	0.002													
A0100295		2.03	<0.001													
A0100296		2.10	<0.001													
A0100297		1.96	<0.001													
A0100298		2.00	0.014													
A0100299		2.15	0.019													
A0100300		2.01	0.007													
A0100301		2.13	<0.001													
A0100302		1.94	0.004													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100263 A0100264 A0100265 A0100266 A0100267		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100268 A0100269 A0100270 A0100271 A0100272																
A0100273 A0100274 A0100275 A0100276 A0100277																
A0100278 A0100279 A0100280 A0100281 A0100282		3.24	17.65	0.25	3.2	0.024	1.10	93.4	21.5	1.51	783	1.20	4.25	9.2	46.9	1760
A0100283 A0100284 A0100285 A0100286 A0100287																
A0100288 A0100289 A0100290 A0100291 A0100292																
A0100293 A0100294 A0100295 A0100296 A0100297																
A0100298 A0100299 A0100300 A0100301 A0100302																



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A0100263 A0100264 A0100265 A0100266 A0100267																
A0100268 A0100269 A0100270 A0100271 A0100272																
A0100273 A0100274 A0100275 A0100276 A0100277																
A0100278 A0100279 A0100280 A0100281 A0100282		13.4	36.7	<0.002	0.23	2.86	7.7	<1	0.5	1390	0.28	0.09	5.50	0.307	0.26	1.8
A0100283 A0100284 A0100285 A0100286 A0100287																
A0100288 A0100289 A0100290 A0100291 A0100292																
A0100293 A0100294 A0100295 A0100296 A0100297																
A0100298 A0100299 A0100300 A0100301 A0100302																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100263 A0100264 A0100265 A0100266 A0100267						
A0100268 A0100269 A0100270 A0100271 A0100272						
A0100273 A0100274 A0100275 A0100276 A0100277						
A0100278 A0100279 A0100280 A0100281 A0100282		88	1.0	20.2	70	139.0
A0100283 A0100284 A0100285 A0100286 A0100287						
A0100288 A0100289 A0100290 A0100291 A0100292						
A0100293 A0100294 A0100295 A0100296 A0100297						
A0100298 A0100299 A0100300 A0100301 A0100302						



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CERTIFICATE OF ANALYSIS VO19103972

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100303		2.19	0.112													
A0100304		0.06	0.495													
A0100305		1.87	0.024													
A0100306		1.96	0.012													
A0100307		2.01	0.009	0.19	8.41	33.7	640	2.44	0.34	2.60	0.03	128.5	14.0	24	2.62	16.7
A0100308		1.90	0.003													
A0100309		2.06	0.001													
A0100310		1.90	<0.001													
A0100311		2.16	<0.001													
A0100312		1.94	<0.001													
A0100313		2.12	<0.001													
A0100314		2.25	<0.001													
A0100315		2.15	0.001													
A0100316		1.84	0.001													
A0100317		2.31	0.001													
A0100318		1.95	0.003													
A0100319		1.93	0.003													
A0100320		0.97	0.009													
A0100321		0.93	0.004													
A0100322		1.98	0.005													
A0100323		1.92	0.001													
A0100324		2.18	<0.001	0.11	8.16	40.9	810	1.83	0.15	4.48	0.03	140.5	26.4	106	1.97	20.6
A0100325		1.98	<0.001													
A0100326		2.02	0.001													
A0100327		1.47	<0.001													
A0100328		1.48	<0.001													
A0100329		1.17	0.001													
A0100330		2.01	<0.001													
A0100331		1.91	<0.001													
A0100332		1.92	<0.001													
A0100333		1.80	<0.001													
A0100334		1.89	0.001													
A0100335		1.80	0.002													
A0100336		0.47	0.001													
A0100337		1.82	0.003	0.29	7.73	26.8	680	2.49	0.56	3.31	0.04	116.5	7.5	27	2.95	21.4
A0100338		1.83	0.003													
A0100339		1.84	0.002													
A0100340		2.07	0.003													
A0100341		2.01	0.003													
A0100342		1.88	0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0100303 A0100304 A0100305 A0100306 A0100307		3.32	20.1	0.19	5.0	0.020	1.83	54.8	25.6	0.59	385	4.03	5.34	8.9	29.8	1160
A0100308 A0100309 A0100310 A0100311 A0100312																
A0100313 A0100314 A0100315 A0100316 A0100317																
A0100318 A0100319 A0100320 A0100321 A0100322																
A0100323 A0100324 A0100325 A0100326 A0100327		4.65	18.90	0.20	4.0	0.034	1.20	57.5	23.1	1.84	716	0.51	4.22	7.4	63.1	1830
A0100328 A0100329 A0100330 A0100331 A0100332																
A0100333 A0100334 A0100335 A0100336 A0100337		2.43	21.2	0.17	4.1	0.014	2.44	48.7	31.1	0.61	388	1.07	4.17	10.2	20.3	570
A0100338 A0100339 A0100340 A0100341 A0100342																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100303 A0100304 A0100305 A0100306 A0100307		10.9	60.4	0.002	2.33	1.99	6.0	<1	0.6	751	0.46	0.35	9.31	0.313	0.29	2.1
A0100308 A0100309 A0100310 A0100311 A0100312																
A0100313 A0100314 A0100315 A0100316 A0100317																
A0100318 A0100319 A0100320 A0100321 A0100322																
A0100323 A0100324 A0100325 A0100326 A0100327		15.2	31.6	<0.002	0.84	2.61	12.4	<1	0.7	1605	0.33	0.08	6.87	0.384	0.18	1.5
A0100328 A0100329 A0100330 A0100331 A0100332																
A0100333 A0100334 A0100335 A0100336 A0100337		46.8	82.0	<0.002	1.61	1.71	3.9	<1	0.5	507	0.39	0.38	7.68	0.211	0.35	1.7
A0100338 A0100339 A0100340 A0100341 A0100342																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100303 A0100304 A0100305 A0100306 A0100307		69	0.7	16.1	46	242
A0100308 A0100309 A0100310 A0100311 A0100312						
A0100313 A0100314 A0100315 A0100316 A0100317						
A0100318 A0100319 A0100320 A0100321 A0100322						
A0100323 A0100324 A0100325 A0100326 A0100327		109	0.5	18.7	71	183.0
A0100328 A0100329 A0100330 A0100331 A0100332						
A0100333 A0100334 A0100335 A0100336 A0100337		51	1.2	10.9	33	219
A0100338 A0100339 A0100340 A0100341 A0100342						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100343		1.81	0.002													
A0100344		1.90	0.002													
A0100345		1.97	0.001													
A0100346		2.00	<0.001													
A0100347		2.31	0.001	0.08	7.40	25.1	600	1.45	0.08	2.98	0.02	71.8	15.4	72	1.25	35.2
A0100348		1.55	0.447													
A0100349		1.62	0.089													
A0100350		2.16	0.098													
A0100351		2.10	0.057													
A0100352		0.07	3.00													
A0100353		2.13	0.045													
A0100354		1.76	0.105													
A0100355		1.76	0.057													
A0100356		1.63	0.046													
A0100357		1.64	0.019													
A0100358		1.78	0.028													
A0100359		2.67	0.045													
A0100360		2.85	0.074													
A0100361		1.73	0.038													
A0100362		1.88	0.088													
A0100363		2.14	0.101													
A0100364		2.14	0.181													
A0100365		1.96	0.214													
A0100366		2.26	0.195													
A0100367		2.22	0.184													
A0100368		2.14	0.054	0.42	6.57	52.9	910	1.16	0.26	6.81	0.23	148.5	41.8	173	0.45	110.5
A0100369		<0.02	0.054													
A0100370		2.13	0.043													
A0100371		2.08	0.030													
A0100372		2.39	0.052													
A0100373		2.21	0.061													
A0100374		1.92	0.112													
A0100375		2.05	0.051													
A0100376		2.13	0.022													
A0100377		2.16	0.018													
A0100378		2.22	0.005													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100343 A0100344 A0100345 A0100346 A0100347		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100348 A0100349 A0100350 A0100351 A0100352		3.47	18.95	0.12	3.5	0.027	1.02	30.0	23.5	1.44	563	0.82	4.15	4.8	52.8	1080
A0100353 A0100354 A0100355 A0100356 A0100357																
A0100358 A0100359 A0100360 A0100361 A0100362																
A0100363 A0100364 A0100365 A0100366 A0100367																
A0100368 A0100369 A0100370 A0100371 A0100372		4.46	17.65	0.15	1.3	0.059	1.11	73.1	32.6	2.36	1320	4.86	4.72	9.2	87.6	490
A0100373 A0100374 A0100375 A0100376 A0100377																
A0100378																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100343 A0100344 A0100345 A0100346 A0100347		8.4	28.2	<0.002	0.42	2.15	9.5	<1	0.5	1005	0.27	0.09	4.50	0.371	0.16	1.1
A0100348 A0100349 A0100350 A0100351 A0100352																
A0100353 A0100354 A0100355 A0100356 A0100357																
A0100358 A0100359 A0100360 A0100361 A0100362																
A0100363 A0100364 A0100365 A0100366 A0100367																
A0100368 A0100369 A0100370 A0100371 A0100372		27.4	41.0	0.003	2.48	45.8	34.1	1	0.7	351	0.14	0.16	4.37	0.289	0.23	2.0
A0100373 A0100374 A0100375 A0100376 A0100377																
A0100378																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100343 A0100344 A0100345 A0100346 A0100347		87	0.7	10.1	61	150.5
A0100348 A0100349 A0100350 A0100351 A0100352						
A0100353 A0100354 A0100355 A0100356 A0100357						
A0100358 A0100359 A0100360 A0100361 A0100362						
A0100363 A0100364 A0100365 A0100366 A0100367						
A0100368 A0100369 A0100370 A0100371 A0100372		242	9.4	16.2	140	50.5
A0100373 A0100374 A0100375 A0100376 A0100377						
A0100378						



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	CERTIFICATE COMMENTS												
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p>												
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61</p> <p>Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>LOG-24</td></tr><tr><td>PUL-31</td><td>PUL-31d</td><td>PUL-QC</td><td>SPL-21</td></tr><tr><td>SPL-21d</td><td>WEI-21</td><td></td><td></td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21	LOG-24										
PUL-31	PUL-31d	PUL-QC	SPL-21										
SPL-21d	WEI-21												



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CERTIFICATE VO19103982

Project: DOUAY

This report is for 156 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 29-APR-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100379		2.32	0.004													
A0100380		2.16	0.005													
A0100381		2.60	0.002													
A0100382		2.13	0.003													
A0100383		2.24	0.005													
A0100384		0.63	0.001													
A0100385		2.27	0.009													
A0100386		1.95	0.028													
A0100387		2.30	0.021													
A0100388		2.23	0.027	0.49	6.21	46.1	370	2.75	1.08	5.18	0.65	132.5	44.4	45	1.20	172.0
A0100389		2.20	0.039													
A0100390		2.21	0.093													
A0100391		2.45	0.040													
A0100392		1.80	0.040													
A0100393		2.07	0.131													
A0100394		1.86	0.250													
A0100395		1.77	0.025													
A0100396		1.76	0.028													
A0100397		1.86	0.049													
A0100398		1.93	0.040													
A0100399		2.34	0.034													
A0100400		0.07	0.148													
A0100401		2.04	0.036													
A0100402		2.10	0.023													
A0100403		2.12	0.055													
A0100404		2.37	0.062													
A0100405		2.32	0.041													
A0100406		2.00	0.007													
A0100407		2.12	0.014	0.50	5.22	26.8	550	1.05	0.42	8.25	0.62	343	30.7	25	0.63	130.0
A0100408		0.07	0.497													
A0100409		2.25	0.011													
A0100410		2.15	0.009													
A0100411		2.32	0.007													
A0100412		1.85	0.002													
A0100413		1.73	0.005													
A0100414		1.83	0.001													
A0100415		1.15	0.003													
A0100416		2.21	0.004													
A0100417		2.08	0.001													
A0100418		2.24	0.003													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100379 A0100380 A0100381 A0100382 A0100383		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100384 A0100385 A0100386 A0100387 A0100388		7.11	25.1	0.18	7.3	0.067	2.45	52.3	30.6	1.43	915	3.93	3.28	46.1	69.5	1890
A0100389 A0100390 A0100391 A0100392 A0100393																
A0100394 A0100395 A0100396 A0100397 A0100398																
A0100399 A0100400 A0100401 A0100402 A0100403																
A0100404 A0100405 A0100406 A0100407 A0100408		5.07	17.05	0.31	2.9	0.085	2.45	129.5	4.0	1.01	895	5.09	2.96	39.2	44.4	>10000
A0100409 A0100410 A0100411 A0100412 A0100413																
A0100414 A0100415 A0100416 A0100417 A0100418																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100379 A0100380 A0100381 A0100382 A0100383																
A0100384 A0100385 A0100386 A0100387 A0100388		28.9	85.7	0.006	4.46	15.25	12.4	3	1.1	959	0.95	0.16	7.90	0.281	0.46	4.8
A0100389 A0100390 A0100391 A0100392 A0100393																
A0100394 A0100395 A0100396 A0100397 A0100398																
A0100399 A0100400 A0100401 A0100402 A0100403																
A0100404 A0100405 A0100406 A0100407 A0100408		12.7	65.3	0.006	2.90	20.2	8.8	1	0.9	2850	1.06	0.21	6.61	0.203	0.32	2.0
A0100409 A0100410 A0100411 A0100412 A0100413																
A0100414 A0100415 A0100416 A0100417 A0100418																



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A0100379 A0100380 A0100381 A0100382 A0100383						
A0100384 A0100385 A0100386 A0100387 A0100388		128	9.0	18.3	222	380
A0100389 A0100390 A0100391 A0100392 A0100393						
A0100394 A0100395 A0100396 A0100397 A0100398						
A0100399 A0100400 A0100401 A0100402 A0100403						
A0100404 A0100405 A0100406 A0100407 A0100408		130	4.8	26.5	202	165.0
A0100409 A0100410 A0100411 A0100412 A0100413						
A0100414 A0100415 A0100416 A0100417 A0100418						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100419		1.88	0.002													
A0100420		2.07	0.001													
A0100421		1.85	0.001													
A0100422		2.24	<0.001													
A0100423		2.11	0.001													
A0100424		1.02	<0.001													
A0100425		1.17	<0.001													
A0100426		2.64	0.001													
A0100427		2.35	0.001	0.14	4.61	34.6	390	3.03	0.05	11.30	0.19	>500	39.6	10	3.26	283
A0100428		2.29	0.002													
A0100429		2.19	0.002													
A0100430		2.23	0.001													
A0100431		2.12	0.001													
A0100432		2.39	0.001													
A0100433		2.39	0.002													
A0100434		2.03	0.004													
A0100435		2.10	0.007													
A0100436		2.25	0.003													
A0100437		2.07	0.001													
A0100438		2.42	0.002													
A0100439		2.22	0.003													
A0100440		0.69	<0.001													
A0100441		2.08	<0.001													
A0100442		2.27	0.001													
A0100443		2.10	0.005													
A0100444		2.06	0.002													
A0100445		2.15	0.001													
A0100446		2.01	0.006													
A0100447		1.68	0.009	0.18	4.71	45.8	90	4.01	0.08	11.55	0.16	>500	47.5	31	3.16	537
A0100448		1.84	0.004													
A0100449		2.61	0.003													
A0100450		2.38	<0.001													
A0100451		2.15	0.007													
A0100452		2.41	0.004													
A0100453		2.56	0.003													
A0100454		2.11	0.002													
A0100455		2.28	0.004													
A0100456		0.07	3.06													
A0100457		2.16	0.008													
A0100458		2.10	0.006													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100419 A0100420 A0100421 A0100422 A0100423		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100424 A0100425 A0100426 A0100427 A0100428		7.38	18.40	0.63	3.8	0.058	1.02	175.0	101.5	2.81	1540	2.04	1.38	20.3	50.1	>10000
A0100429 A0100430 A0100431 A0100432 A0100433																
A0100434 A0100435 A0100436 A0100437 A0100438																
A0100439 A0100440 A0100441 A0100442 A0100443																
A0100444 A0100445 A0100446 A0100447 A0100448		6.46	15.15	0.83	7.1	0.051	3.72	208	79.8	2.13	1240	1.04	0.75	38.4	67.0	>10000
A0100449 A0100450 A0100451 A0100452 A0100453																
A0100454 A0100455 A0100456 A0100457 A0100458																



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A0100419 A0100420 A0100421 A0100422 A0100423																
A0100424 A0100425 A0100426 A0100427 A0100428		11.1	43.4	<0.002	0.56	5.30	7.5	1	0.6	3760	1.87	<0.05	32.8	0.376	0.16	2.2
A0100429 A0100430 A0100431 A0100432 A0100433																
A0100434 A0100435 A0100436 A0100437 A0100438																
A0100439 A0100440 A0100441 A0100442 A0100443																
A0100444 A0100445 A0100446 A0100447 A0100448		10.8	137.5	0.002	1.22	6.68	15.9	1	0.8	1110	2.45	<0.05	33.1	0.571	0.52	3.2
A0100449 A0100450 A0100451 A0100452 A0100453																
A0100454 A0100455 A0100456 A0100457 A0100458																



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A0100419 A0100420 A0100421 A0100422 A0100423						
A0100424 A0100425 A0100426 A0100427 A0100428		180	1.1	56.9	96	268
A0100429 A0100430 A0100431 A0100432 A0100433						
A0100434 A0100435 A0100436 A0100437 A0100438						
A0100439 A0100440 A0100441 A0100442 A0100443						
A0100444 A0100445 A0100446 A0100447 A0100448		187	14.3	101.5	49	411
A0100449 A0100450 A0100451 A0100452 A0100453						
A0100454 A0100455 A0100456 A0100457 A0100458						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100459		1.87	0.003													
A0100460		2.09	0.002													
A0100461		2.20	0.004													
A0100462		2.07	0.016													
A0100463		2.28	0.009													
A0100464		2.08	0.004													
A0100465		2.10	0.002													
A0100466		2.37	0.012													
A0100467		1.96	0.026	0.24	3.20	39.3	180	3.68	0.17	12.10	0.32	490	17.5	6	1.01	164.5
A0100468		1.97	0.007													
A0100469		2.16	0.003													
A0100470		2.29	0.002													
A0100471		2.52	0.005													
A0100472		2.04	0.002													
A0100473		<0.02	0.002													
A0100474		1.66	<0.001													
A0100475		2.11	0.002													
A0100476		2.02	0.007													
A0100477		2.25	0.003													
A0100478		2.05	0.005													
A0100479		2.21	0.005													
A0100480		2.13	0.001													
A0100481		2.16	0.002													
A0100482		1.98	0.001													
A0100483		2.01	0.002													
A0100484		2.02	0.001													
A0100485		2.07	0.003													
A0100486		1.33	0.005													
A0100487		2.16	0.084	0.12	7.02	10.7	1110	3.28	0.51	4.54	0.12	207	10.9	5	1.78	87.5
A0100488		0.65	0.001													
A0100489		2.34	0.088													
A0100490		2.04	0.120													
A0100491		2.17	0.099													
A0100492		1.93	0.064													
A0100493		1.95	0.212													
A0100494		2.12	0.299													
A0100495		2.15	0.068													
A0100496		1.96	0.091													
A0100497		2.34	0.034													
A0100498		2.20	0.090													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100459 A0100460 A0100461 A0100462 A0100463		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100464 A0100465 A0100466 A0100467 A0100468		4.96	16.00	0.72	6.0	0.038	0.95	177.5	37.9	2.36	1380	0.07	1.62	7.9	15.0	>10000
A0100469 A0100470 A0100471 A0100472 A0100473																
A0100474 A0100475 A0100476 A0100477 A0100478																
A0100479 A0100480 A0100481 A0100482 A0100483																
A0100484 A0100485 A0100486 A0100487 A0100488		3.57	21.2	0.27	4.8	0.027	3.01	88.0	18.0	0.55	829	4.02	4.58	22.0	6.9	1900
A0100489 A0100490 A0100491 A0100492 A0100493																
A0100494 A0100495 A0100496 A0100497 A0100498																



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A0100459 A0100460 A0100461 A0100462 A0100463																
A0100464 A0100465 A0100466 A0100467 A0100468		10.0	49.3	<0.002	0.02	21.8	8.4	1	0.4	1075	0.32	0.07	27.9	0.236	0.21	5.7
A0100469 A0100470 A0100471 A0100472 A0100473																
A0100474 A0100475 A0100476 A0100477 A0100478																
A0100479 A0100480 A0100481 A0100482 A0100483																
A0100484 A0100485 A0100486 A0100487 A0100488		18.1	89.0	0.003	0.71	2.24	3.1	1	0.7	958	0.47	0.24	11.35	0.338	0.78	4.7
A0100489 A0100490 A0100491 A0100492 A0100493																
A0100494 A0100495 A0100496 A0100497 A0100498																



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A0100459 A0100460 A0100461 A0100462 A0100463						
A0100464 A0100465 A0100466 A0100467 A0100468		107	2.9	56.1	105	464
A0100469 A0100470 A0100471 A0100472 A0100473						
A0100474 A0100475 A0100476 A0100477 A0100478						
A0100479 A0100480 A0100481 A0100482 A0100483						
A0100484 A0100485 A0100486 A0100487 A0100488		102	7.0	22.6	120	257
A0100489 A0100490 A0100491 A0100492 A0100493						
A0100494 A0100495 A0100496 A0100497 A0100498						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100499		2.09	0.052													
A0100500		2.13	0.089													
A0100501		2.10	0.125													
A0100502		2.11	0.096													
A0100503		2.16	0.130													
A0100504		0.07	0.143													
A0100505		2.25	0.046													
A0100506		1.96	0.006													
A0100507		2.05	0.010	0.06	6.88	7.4	300	2.49	0.55	8.55	0.12	289	7.8	14	1.16	67.7
A0100508		2.12	0.016													
A0100509		2.24	0.011													
A0100510		2.07	0.009													
A0100511		2.18	0.026													
A0100512		1.98	0.023													
A0100513		2.09	0.059													
A0100514		2.59	0.012													
A0100515		2.40	0.006													
A0100516		1.99	0.008													
A0100517		2.29	0.013													
A0100518		1.96	0.002													
A0100519		2.09	0.008													
A0100520		1.00	0.016													
A0100521		0.98	0.020													
A0100522		2.14	0.013													
A0100523		2.32	0.042													
A0100524		1.95	0.076													
A0100525		2.22	0.119													
A0100526		2.24	0.419													
A0100527		2.02	0.188	0.48	6.69	9.3	1120	10.90	0.84	8.63	0.31	>500	12.7	14	2.82	75.8
A0100528		2.11	0.072													
A0100529		2.29	0.013													
A0100530		2.04	0.005													
A0100531		2.03	0.005													
A0100532		2.11	0.015													
A0100533		2.13	0.008													
A0100534		2.41	0.014													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0100499 A0100500 A0100501 A0100502 A0100503		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100504 A0100505 A0100506 A0100507 A0100508		3.21	24.4	0.34	3.9	0.013	2.18	123.5	31.5	0.82	1080	1.35	4.30	46.7	13.6	4240
A0100509 A0100510 A0100511 A0100512 A0100513																
A0100514 A0100515 A0100516 A0100517 A0100518																
A0100519 A0100520 A0100521 A0100522 A0100523																
A0100524 A0100525 A0100526 A0100527 A0100528		3.81	19.90	0.61	2.8	0.020	2.41	225	67.2	1.09	1570	1.01	3.89	77.3	12.9	2680
A0100529 A0100530 A0100531 A0100532 A0100533																
A0100534																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
A0100499 A0100500 A0100501 A0100502 A0100503		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100504 A0100505 A0100506 A0100507 A0100508		6.5	77.6	0.003	0.31	2.09	2.8	<1	0.7	589	0.64	0.15	10.95	0.197	0.58	2.8
A0100509 A0100510 A0100511 A0100512 A0100513																
A0100514 A0100515 A0100516 A0100517 A0100518																
A0100519 A0100520 A0100521 A0100522 A0100523																
A0100524 A0100525 A0100526 A0100527 A0100528		24.3	92.3	<0.002	0.11	1.75	3.3	<1	0.4	765	1.15	0.28	28.8	0.218	0.62	5.7
A0100529 A0100530 A0100531 A0100532 A0100533																
A0100534																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0100499 A0100500 A0100501 A0100502 A0100503						
A0100504 A0100505 A0100506 A0100507 A0100508		102	7.7	23.1	78	201
A0100509 A0100510 A0100511 A0100512 A0100513						
A0100514 A0100515 A0100516 A0100517 A0100518						
A0100519 A0100520 A0100521 A0100522 A0100523						
A0100524 A0100525 A0100526 A0100527 A0100528		150	6.0	39.8	97	182.5
A0100529 A0100530 A0100531 A0100532 A0100533						
A0100534						



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61												
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.												
	<table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											



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This report is for 155 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 29-APR-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100535		2.35	0.077													
A0100536		0.48	<0.001													
A0100537		2.55	0.023													
A0100538		1.63	0.004													
A0100539		2.13	0.008													
A0100540		1.96	0.035													
A0100541		2.08	0.021													
A0100542		2.12	0.016													
A0100543		2.03	0.001													
A0100544		2.10	0.002													
A0100545		1.98	0.006													
A0100546		2.10	0.005													
A0100547		1.76	0.004	0.05	7.04	2.4	640	6.99	0.23	3.16	0.03	65.7	2.3	4	3.43	50.8
A0100548		1.83	0.008													
A0100549		1.98	0.008													
A0100550		1.93	0.006													
A0100551		0.81	0.049													
A0100552		1.34	0.016													
A0100553		1.99	0.171													
A0100554		2.09	0.057													
A0100555		2.21	0.030													
A0100556		1.88	0.023													
A0100557		1.95	0.061													
A0100558		2.09	0.066													
A0100559		1.81	0.001													
A0100560		1.99	0.005													
A0100561		2.02	0.014													
A0100562		2.06	0.005													
A0100563		1.86	0.002													
A0100564		2.28	0.002													
A0100565		1.99	0.002													
A0100566		2.31	0.004													
A0100567		2.21	0.043	0.07	8.55	3.0	230	2.06	0.29	1.76	<0.02	130.5	2.8	5	1.42	13.3
A0100568		2.02	0.036													
A0100569		<0.02	0.028													
A0100570		2.08	0.029													
A0100571		1.90	0.029													
A0100572		1.94	0.030													
A0100573		1.90	0.135													
A0100574		2.08	0.009													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100535 A0100536 A0100537 A0100538 A0100539		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100540 A0100541 A0100542 A0100543 A0100544																
A0100545 A0100546 A0100547 A0100548 A0100549		1.68	32.8	0.13	6.2	0.009	3.81	26.4	37.3	0.22	531	1.11	4.35	35.2	2.2	200
A0100550 A0100551 A0100552 A0100553 A0100554																
A0100555 A0100556 A0100557 A0100558 A0100559																
A0100560 A0100561 A0100562 A0100563 A0100564																
A0100565 A0100566 A0100567 A0100568 A0100569		1.52	31.9	0.17	5.1	0.010	3.03	55.7	16.8	0.41	473	0.38	6.06	28.6	2.4	530
A0100570 A0100571 A0100572 A0100573 A0100574																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100535 A0100536 A0100537 A0100538 A0100539		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100540 A0100541 A0100542 A0100543 A0100544																
A0100545 A0100546 A0100547 A0100548 A0100549		6.6	148.0	0.003	0.16	0.92	0.5	1	0.5	288	0.68	0.10	4.64	0.120	1.03	1.8
A0100550 A0100551 A0100552 A0100553 A0100554																
A0100555 A0100556 A0100557 A0100558 A0100559																
A0100560 A0100561 A0100562 A0100563 A0100564																
A0100565 A0100566 A0100567 A0100568 A0100569		7.4	111.0	<0.002	0.22	1.39	0.9	1	0.5	172.5	0.55	0.07	12.60	0.122	0.61	2.8
A0100570 A0100571 A0100572 A0100573 A0100574																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100535 A0100536 A0100537 A0100538 A0100539						
A0100540 A0100541 A0100542 A0100543 A0100544						
A0100545 A0100546 A0100547 A0100548 A0100549		45	2.5	9.3	61	357
A0100550 A0100551 A0100552 A0100553 A0100554						
A0100555 A0100556 A0100557 A0100558 A0100559						
A0100560 A0100561 A0100562 A0100563 A0100564						
A0100565 A0100566 A0100567 A0100568 A0100569		35	5.9	16.3	34	283
A0100570 A0100571 A0100572 A0100573 A0100574						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100575		2.12	0.024													
A0100576		2.35	0.008													
A0100577		1.87	0.019													
A0100578		2.04	0.012													
A0100579		2.13	0.010													
A0100580		1.92	0.007													
A0100581		1.81	0.016													
A0100582		1.65	0.015													
A0100583		2.04	0.026													
A0100584		0.42	<0.001													
A0100585		2.17	0.019													
A0100586		2.67	0.017													
A0100587		2.08	0.009	0.12	7.80	5.8	80	1.32	0.66	3.00	<0.02	93.5	3.4	6	0.17	10.6
A0100588		1.94	0.026													
A0100589		2.13	0.011													
A0100590		1.92	0.014													
A0100591		2.26	0.016													
A0100592		2.04	0.018													
A0100593		1.84	0.027													
A0100594		1.34	0.029													
A0100595		1.76	0.045													
A0100596		2.04	0.005													
A0100597		2.02	0.009													
A0100598		1.95	0.007													
A0100599		2.08	0.010													
A0100600		0.06	3.04													
A0100601		1.97	0.009													
A0100602		1.44	0.011													
A0100603		2.05	0.009													
A0100604		1.87	0.010													
A0100605		1.84	0.007													
A0100606		1.31	0.019													
A0100607		1.15	0.024	0.33	8.59	8.9	490	2.04	0.66	1.77	<0.02	128.5	4.1	5	0.71	17.7
A0100608		0.06	0.147													
A0100609		1.39	0.043													
A0100610		1.22	0.016													
A0100611		1.70	0.010													
A0100612		1.73	0.011													
A0100613		1.87	0.011													
A0100614		1.84	0.018													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
A0100575 A0100576 A0100577 A0100578 A0100579																
A0100580 A0100581 A0100582 A0100583 A0100584																
A0100585 A0100586 A0100587 A0100588 A0100589		1.50	29.1	0.13	3.8	0.007	0.33	46.4	2.7	0.35	387	1.97	7.55	10.6	3.3	360
A0100590 A0100591 A0100592 A0100593 A0100594																
A0100595 A0100596 A0100597 A0100598 A0100599																
A0100600 A0100601 A0100602 A0100603 A0100604																
A0100605 A0100606 A0100607 A0100608 A0100609		1.66	29.3	0.19	4.1	0.006	3.51	61.7	1.7	0.28	298	5.54	6.00	11.1	3.4	1220
A0100610 A0100611 A0100612 A0100613 A0100614																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
A0100575 A0100576 A0100577 A0100578 A0100579																
A0100580 A0100581 A0100582 A0100583 A0100584																
A0100585 A0100586 A0100587 A0100588 A0100589		6.5	7.0	0.002	1.00	0.86	0.7	1	0.3	225	0.24	0.13	7.33	0.095	0.05	1.5
A0100590 A0100591 A0100592 A0100593 A0100594																
A0100595 A0100596 A0100597 A0100598 A0100599																
A0100600 A0100601 A0100602 A0100603 A0100604																
A0100605 A0100606 A0100607 A0100608 A0100609		10.6	106.0	0.003	1.08	1.25	0.9	1	0.4	321	0.26	0.16	9.25	0.102	0.54	6.8
A0100610 A0100611 A0100612 A0100613 A0100614																



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A0100575 A0100576 A0100577 A0100578 A0100579						
A0100580 A0100581 A0100582 A0100583 A0100584						
A0100585 A0100586 A0100587 A0100588 A0100589		11	2.7	6.6	21	184.5
A0100590 A0100591 A0100592 A0100593 A0100594						
A0100595 A0100596 A0100597 A0100598 A0100599						
A0100600 A0100601 A0100602 A0100603 A0100604						
A0100605 A0100606 A0100607 A0100608 A0100609		12	3.7	11.1	28	204
A0100610 A0100611 A0100612 A0100613 A0100614						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100615		2.02	0.006													
A0100616		1.86	0.004													
A0100617		1.94	0.006													
A0100618		2.06	0.016													
A0100619		1.98	0.007													
A0100620		2.09	0.025													
A0100621		2.10	0.016													
A0100622		2.01	0.009													
A0100623		1.85	0.022													
A0100624		0.90	0.044													
A0100625		0.69	0.039													
A0100626		2.04	0.004													
A0100627		1.77	0.080	0.59	8.12	17.2	470	0.84	0.63	1.94	0.05	90.0	7.5	10	1.11	12.5
A0100628		1.91	0.027													
A0100629		1.81	0.019													
A0100630		1.90	0.006													
A0100631		1.89	<0.001													
A0100632		2.24	0.003													
A0100633		2.16	0.030													
A0100634		2.21	0.022													
A0100635		1.89	0.041													
A0100636		1.96	0.022													
A0100637		2.04	0.012													
A0100638		1.76	0.011													
A0100639		2.32	0.029													
A0100640		0.38	<0.001													
A0100641		2.17	0.016													
A0100642		2.12	0.018													
A0100643		2.05	0.059													
A0100644		2.28	0.036													
A0100645		2.08	0.054													
A0100646		2.07	0.052													
A0100647		2.12	0.027	0.23	6.38	32.3	790	3.41	0.21	9.61	0.11	194.0	13.8	38	2.80	53.4
A0100648		2.34	0.030													
A0100649		2.16	0.032													
A0100650		2.23	0.041													
A0100651		2.28	0.035													
A0100652		2.07	0.041													
A0100653		2.11	0.060													
A0100654		2.17	0.035													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100615 A0100616 A0100617 A0100618 A0100619		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100620 A0100621 A0100622 A0100623 A0100624																
A0100625 A0100626 A0100627 A0100628 A0100629		2.27	22.9	0.15	4.6	0.015	3.60	41.5	6.1	0.42	438	0.38	5.35	14.4	7.6	380
A0100630 A0100631 A0100632 A0100633 A0100634																
A0100635 A0100636 A0100637 A0100638 A0100639																
A0100640 A0100641 A0100642 A0100643 A0100644																
A0100645 A0100646 A0100647 A0100648 A0100649		3.54	19.05	0.27	2.8	0.037	4.38	76.0	20.7	1.62	1140	0.54	1.66	26.3	31.0	5520
A0100650 A0100651 A0100652 A0100653 A0100654																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
A0100615 A0100616 A0100617 A0100618 A0100619																
A0100620 A0100621 A0100622 A0100623 A0100624																
A0100625 A0100626 A0100627 A0100628 A0100629		10.1	103.0	<0.002	1.07	1.99	2.0	<1	0.5	341	0.40	0.36	10.65	0.128	0.57	2.6
A0100630 A0100631 A0100632 A0100633 A0100634																
A0100635 A0100636 A0100637 A0100638 A0100639																
A0100640 A0100641 A0100642 A0100643 A0100644																
A0100645 A0100646 A0100647 A0100648 A0100649		7.2	171.5	<0.002	1.45	1.47	6.2	1	0.4	1765	0.77	0.50	6.86	0.165	1.38	1.2
A0100650 A0100651 A0100652 A0100653 A0100654																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100615 A0100616 A0100617 A0100618 A0100619						
A0100620 A0100621 A0100622 A0100623 A0100624						
A0100625 A0100626 A0100627 A0100628 A0100629		25	5.4	12.5	53	241
A0100630 A0100631 A0100632 A0100633 A0100634						
A0100635 A0100636 A0100637 A0100638 A0100639						
A0100640 A0100641 A0100642 A0100643 A0100644						
A0100645 A0100646 A0100647 A0100648 A0100649		145	6.0	15.7	68	151.0
A0100650 A0100651 A0100652 A0100653 A0100654						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100655		2.03	0.044													
A0100656		0.06	0.522													
A0100657		2.16	0.050													
A0100658		2.17	0.028													
A0100659		2.07	0.041													
A0100660		2.17	0.045													
A0100661		2.16	0.056													
A0100662		1.96	0.024													
A0100663		2.29	0.043													
A0100664		2.05	0.061													
A0100665		1.87	0.061													
A0100666		2.15	0.046													
A0100667		2.17	0.024	0.29	6.54	32.5	1050	3.17	0.35	8.25	0.13	212	15.4	44	2.14	47.6
A0100668		2.25	0.033													
A0100669		1.97	0.039													
A0100670		2.22	0.014													
A0100671		2.16	0.047													
A0100672		<0.02	0.051													
A0100673		2.02	0.071													
A0100674		2.06	0.033													
A0100675		2.18	0.032													
A0100676		2.27	0.020													
A0100677		2.24	0.053													
A0100678		2.31	0.048													
A0100679		1.69	0.023													
A0100680		2.21	0.010													
A0100681		2.16	0.022													
A0100682		2.19	0.013													
A0100683		1.89	0.026													
A0100684		2.17	0.045													
A0100685		2.24	0.088													
A0100686		2.27	0.018													
A0100687		2.32	0.058	0.15	6.72	11.8	1080	2.08	0.24	5.34	0.11	141.5	10.4	37	2.97	30.7
A0100688		0.66	<0.001													
A0100689		2.20	0.099													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100655 A0100656 A0100657 A0100658 A0100659		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100660 A0100661 A0100662 A0100663 A0100664																
A0100665 A0100666 A0100667 A0100668 A0100669		3.60	19.80	0.27	3.0	0.039	2.96	87.3	34.4	1.76	1080	9.05	3.28	27.2	43.8	3370
A0100670 A0100671 A0100672 A0100673 A0100674																
A0100675 A0100676 A0100677 A0100678 A0100679																
A0100680 A0100681 A0100682 A0100683 A0100684																
A0100685 A0100686 A0100687 A0100688 A0100689		3.16	22.4	0.22	4.2	0.029	4.12	58.1	84.7	0.94	929	2.12	2.94	46.1	27.2	1320



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100655 A0100656 A0100657 A0100658 A0100659																
A0100660 A0100661 A0100662 A0100663 A0100664																
A0100665 A0100666 A0100667 A0100668 A0100669		11.5	130.5	0.004	2.17	2.17	8.4	1	0.5	2030	0.59	0.55	17.65	0.217	0.85	1.9
A0100670 A0100671 A0100672 A0100673 A0100674																
A0100675 A0100676 A0100677 A0100678 A0100679																
A0100680 A0100681 A0100682 A0100683 A0100684																
A0100685 A0100686 A0100687 A0100688 A0100689		19.2	112.5	<0.002	0.40	1.88	7.4	1	0.6	1295	1.06	<0.05	29.2	0.253	1.07	1.5



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100655 A0100656 A0100657 A0100658 A0100659						
A0100660 A0100661 A0100662 A0100663 A0100664						
A0100665 A0100666 A0100667 A0100668 A0100669		115	3.7	19.9	82	154.5
A0100670 A0100671 A0100672 A0100673 A0100674						
A0100675 A0100676 A0100677 A0100678 A0100679						
A0100680 A0100681 A0100682 A0100683 A0100684						
A0100685 A0100686 A0100687 A0100688 A0100689		150	3.1	31.8	89	210



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CERTIFICATE OF ANALYSIS VO19103988

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61												
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.												
	<table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											



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CERTIFICATE VO19103996

Project: DOUAY

This report is for 104 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 29-APR-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468275		2.28	0.001													
V468276		2.21	0.001													
V468277		2.18	0.002													
V468278		2.19	0.002													
V468279		2.25	0.002													
V468280		2.37	0.002	0.12	7.64	2.7	620	0.32	0.03	6.56	0.10	14.15	44.6	125	1.25	102.0
V468281		2.28	0.001													
V468282		2.25	0.001													
V468283		2.20	0.001													
V468284		2.22	0.002													
V468285		2.17	0.004													
V468286		2.23	0.002													
V468287		2.27	0.001													
V468288		0.76	<0.001													
V468289		2.36	0.001													
V468290		3.06	0.002													
V468291		1.27	0.003													
V468292		2.23	0.109													
V468293		2.20	0.114													
V468294		2.34	0.241													
V468295		2.02	0.031													
V468296		2.10	0.053													
V468297		2.07	0.285													
V468298		2.19	0.312													
V468299		2.01	0.011													
V468300		2.22	0.188	0.57	6.66	3.1	1190	0.97	0.19	7.90	0.50	247	40.8	48	0.88	75.5
V468301		2.18	0.094													
V468302		2.00	0.207													
V468303		2.08	0.142													
V468304		0.07	0.511													
V468305		2.10	0.132													
V468306		2.11	0.466													
V468307		2.24	0.346													
V468308		2.23	0.618													
V468309		2.07	0.208													
V468310		2.16	0.261													
V468311		2.18	0.171													
V468312		2.27	0.115													
V468313		2.08	0.167													
V468314		2.25	0.339													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468275 V468276 V468277 V468278 V468279		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468280 V468281 V468282 V468283 V468284		7.35	15.05	0.07	1.3	0.049	1.32	6.0	52.4	4.64	1500	0.29	2.37	2.1	109.5	260
V468285 V468286 V468287 V468288 V468289																
V468290 V468291 V468292 V468293 V468294																
V468295 V468296 V468297 V468298 V468299																
V468300 V468301 V468302 V468303 V468304		6.25	22.6	0.33	5.2	0.281	3.89	93.2	3.0	1.40	1670	0.43	2.70	45.5	168.0	5770
V468305 V468306 V468307 V468308 V468309																
V468310 V468311 V468312 V468313 V468314																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V468275 V468276 V468277 V468278 V468279		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468280 V468281 V468282 V468283 V468284		5.5	62.2	<0.002	0.09	0.37	42.3	1	0.5	516	0.15	<0.05	1.59	0.381	0.27	0.5
V468285 V468286 V468287 V468288 V468289																
V468290 V468291 V468292 V468293 V468294																
V468295 V468296 V468297 V468298 V468299																
V468300 V468301 V468302 V468303 V468304		7.6	103.5	0.003	0.83	4.62	17.3	1	3.0	1280	1.22	0.35	6.79	0.328	0.49	1.6
V468305 V468306 V468307 V468308 V468309																
V468310 V468311 V468312 V468313 V468314																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468275 V468276 V468277 V468278 V468279						
V468280 V468281 V468282 V468283 V468284		228	0.4	15.8	105	50.0
V468285 V468286 V468287 V468288 V468289						
V468290 V468291 V468292 V468293 V468294						
V468295 V468296 V468297 V468298 V468299						
V468300 V468301 V468302 V468303 V468304		145	33.7	19.7	208	238
V468305 V468306 V468307 V468308 V468309						
V468310 V468311 V468312 V468313 V468314						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468315		1.98	0.259													
V468316		2.03	0.301													
V468317		1.75	0.134													
V468318		2.06	5.86													
V468319		2.04	1.610													
V468320		0.77	0.250	0.72	6.53	2.5	1230	0.53	0.30	3.46	0.12	94.7	11.7	38	0.82	7.4
V468321		0.82	0.601													
V468322		1.85	1.780													
V468323		1.92	0.193													
V468324		1.80	0.042													
V468325		2.08	0.203													
V468326		2.06	0.065													
V468327		1.94	0.058													
V468328		1.99	0.044													
V468329		2.01	0.111													
V468330		2.00	0.083													
V468331		2.09	0.103													
V468332		1.86	0.917													
V468333		1.99	1.610													
V468334		2.02	2.68													
V468335		2.05	0.193													
V468336		0.47	0.010													
V468337		1.94	0.262													
V468338		2.17	0.104													
V468339		1.81	0.052													
V468340		2.05	0.034	0.14	6.94	1.6	940	0.69	0.06	2.37	0.07	70.9	4.0	12	0.60	22.4
V468341		1.96	0.401													
V468342		1.90	0.062													
V468343		2.13	0.009													
V468344		2.02	0.059													
V468345		1.78	0.199													
V468346		2.02	0.020													
V468347		2.48	0.027													
V468348		1.50	0.030													
V468349		1.92	0.022													
V468350		2.11	0.518													
V468351		2.13	1.255													
V468352		0.07	0.154													
V468353		1.97	0.099													
V468354		2.00	0.084													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V468315 V468316 V468317 V468318 V468319		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468320 V468321 V468322 V468323 V468324		2.91	21.9	0.16	2.5	0.027	4.19	37.9	0.9	0.77	719	3.15	3.21	26.0	18.8	1300
V468325 V468326 V468327 V468328 V468329																
V468330 V468331 V468332 V468333 V468334																
V468335 V468336 V468337 V468338 V468339																
V468340 V468341 V468342 V468343 V468344		1.42	22.1	0.12	2.0	0.014	3.92	27.4	0.5	0.32	437	0.51	4.79	17.6	5.8	610
V468345 V468346 V468347 V468348 V468349																
V468350 V468351 V468352 V468353 V468354																



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V468315 V468316 V468317 V468318 V468319		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V468320 V468321 V468322 V468323 V468324		7.6	104.5	0.002	1.07	2.42	5.5	1	0.5	955	0.95	0.23	5.28	0.196	0.58	1.2
V468325 V468326 V468327 V468328 V468329																
V468330 V468331 V468332 V468333 V468334																
V468335 V468336 V468337 V468338 V468339																
V468340 V468341 V468342 V468343 V468344		4.1	86.7	<0.002	0.13	1.69	1.9	<1	0.4	1375	0.40	<0.05	3.56	0.132	0.42	1.1
V468345 V468346 V468347 V468348 V468349																
V468350 V468351 V468352 V468353 V468354																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468315 V468316 V468317 V468318 V468319						
V468320 V468321 V468322 V468323 V468324		90	35.8	10.7	76	138.5
V468325 V468326 V468327 V468328 V468329						
V468330 V468331 V468332 V468333 V468334						
V468335 V468336 V468337 V468338 V468339						
V468340 V468341 V468342 V468343 V468344		56	14.7	6.8	39	94.2
V468345 V468346 V468347 V468348 V468349						
V468350 V468351 V468352 V468353 V468354						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V468355		2.02	0.173													
V468356		1.87	0.044													
V468357		1.98	0.008													
V468358		1.93	0.013													
V468359		1.95	0.012													
V468360		1.88	0.004	0.03	6.69	1.7	860	0.72	0.17	4.93	0.13	138.0	13.2	38	0.59	11.7
V468361		1.94	0.026													
V468362		1.91	0.144													
V468363		1.99	0.203													
V468364		2.17	2.63													
V468365		2.04	0.022													
V468366		1.90	0.441													
V468367		1.99	0.269													
V468368		1.99	0.094													
V468369		<0.02	0.066													
V468370		2.03	0.035													
V468371		2.03	0.541													
V468372		2.03	0.634													
V468373		1.86	0.213													
V468374		2.00	0.197													
V468375		1.95	0.219													
V468376		1.93	0.137													
V468377		1.82	0.022													
V468378		1.87	0.262													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe % <th style="text-align: center;">ME-MS61 Ga ppm <th style="text-align: center;">ME-MS61 Ge ppm <th style="text-align: center;">ME-MS61 Hf ppm <th style="text-align: center;">ME-MS61 In ppm <th style="text-align: center;">ME-MS61 K % <th style="text-align: center;">ME-MS61 La ppm <th style="text-align: center;">ME-MS61 Li ppm <th style="text-align: center;">ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th></th></th></th></th></th></th></th></th>	ME-MS61 Ga ppm <th style="text-align: center;">ME-MS61 Ge ppm <th style="text-align: center;">ME-MS61 Hf ppm <th style="text-align: center;">ME-MS61 In ppm <th style="text-align: center;">ME-MS61 K % <th style="text-align: center;">ME-MS61 La ppm <th style="text-align: center;">ME-MS61 Li ppm <th style="text-align: center;">ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th></th></th></th></th></th></th></th>	ME-MS61 Ge ppm <th style="text-align: center;">ME-MS61 Hf ppm <th style="text-align: center;">ME-MS61 In ppm <th style="text-align: center;">ME-MS61 K % <th style="text-align: center;">ME-MS61 La ppm <th style="text-align: center;">ME-MS61 Li ppm <th style="text-align: center;">ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th></th></th></th></th></th></th>	ME-MS61 Hf ppm <th style="text-align: center;">ME-MS61 In ppm <th style="text-align: center;">ME-MS61 K % <th style="text-align: center;">ME-MS61 La ppm <th style="text-align: center;">ME-MS61 Li ppm <th style="text-align: center;">ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th></th></th></th></th></th>	ME-MS61 In ppm <th style="text-align: center;">ME-MS61 K % <th style="text-align: center;">ME-MS61 La ppm <th style="text-align: center;">ME-MS61 Li ppm <th style="text-align: center;">ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: 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style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th></th></th>	ME-MS61 Li ppm <th style="text-align: center;">ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th></th>	ME-MS61 Mg % <th style="text-align: center;">ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th></th>	ME-MS61 Mn ppm <th style="text-align: center;">ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th></th>	ME-MS61 Mo ppm <th style="text-align: center;">ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th></th>	ME-MS61 Na % <th style="text-align: center;">ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th></th>	ME-MS61 Nb ppm <th style="text-align: center;">ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th></th>	ME-MS61 Ni ppm <th style="text-align: center;">ME-MS61 P ppm </th>	ME-MS61 P ppm
V468355 V468356 V468357 V468358 V468359		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V468360 V468361 V468362 V468363 V468364		3.09	19.20	0.19	2.6	0.028	3.42	63.4	1.2	1.32	745	0.58	3.85	12.5	25.0	1190
V468365 V468366 V468367 V468368 V468369																
V468370 V468371 V468372 V468373 V468374																
V468375 V468376 V468377 V468378																



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V468355 V468356 V468357 V468358 V468359																
V468360 V468361 V468362 V468363 V468364		6.7	85.6	<0.002	0.05	3.08	8.7	<1	0.6	864	0.31	<0.05	7.07	0.237	0.38	2.0
V468365 V468366 V468367 V468368 V468369																
V468370 V468371 V468372 V468373 V468374																
V468375 V468376 V468377 V468378																



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V468355 V468356 V468357 V468358 V468359						
V468360 V468361 V468362 V468363 V468364		101	49.0	16.9	87	113.0
V468365 V468366 V468367 V468368 V468369						
V468370 V468371 V468372 V468373 V468374						
V468375 V468376 V468377 V468378						



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19103996

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
CRU-31 CRU-QC LOG-21 LOG-21d
LOG-24 PUL-31 PUL-31d PUL-QC
SPL-21 SPL-21d WEI-21



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CERTIFICATE VO19104002

Project: DOUAY

This report is for 104 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 29-APR-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V468379		1.85	0.017													
V468380		2.04	0.007		0.09	6.53	1.7	1320	0.67	0.07	2.35	0.06	84.7	4.1	15	0.69
V468381		2.01	0.040													
V468382		2.02	0.019													
V468383		1.68	0.007													
V468384		0.43	<0.001													
V468385		1.91	0.013													
V468386		2.04	0.100													
V468387		1.82	0.116													
V468388		1.87	0.357													
V468389		2.04	0.056													
V468390		2.24	0.100													
V468391		2.04	0.066													
V468392		2.07	0.333													
V468393		2.08	0.672													
V468394		2.09	0.085													
V468395		1.88	0.087													
V468396		2.12	0.101													
V468397		2.11	0.071													
V468398		2.27	0.011													
V468399		1.91	0.024		0.21	7.43	2.7	1060	1.37	0.11	2.31	0.08	53.3	4.9	5	0.95
V468400		0.06	0.141													
V468401		1.83	0.055													
V468402		2.03	0.016													
V468403		2.06	0.013													
V468404		2.09	0.103													
V468405		2.09	0.058													
V468406		2.03	0.520													
V468407		2.12	0.211													
V468408		0.06	3.01													
V468409		2.20	0.113													
V468410		2.15	0.122													
V468411		2.15	0.753													
V468412		2.10	>10.0	26.7												
V468413		1.90	1.165													
V468414		1.97	0.065													
V468415		1.87	1.080													
V468416		2.04	0.895													
V468417		1.64	0.065													
V468418		1.99	0.175													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
V468379																
V468380		12.9	1.38	19.55	0.16	3.0	0.012	4.32	36.0	1.1	0.34	416	1.28	4.19	15.0	6.2
V468381																
V468382																
V468383																
V468384																
V468385																
V468386																
V468387																
V468388																
V468389																
V468390																
V468391																
V468392																
V468393																
V468394																
V468395																
V468396																
V468397																
V468398																
V468399		112.0	1.95	32.4	0.14	3.2	0.010	4.30	18.3	1.1	0.38	769	0.40	3.67	41.6	4.0
V468400																
V468401																
V468402																
V468403																
V468404																
V468405																
V468406																
V468407																
V468408																
V468409																
V468410																
V468411																
V468412																
V468413																
V468414																
V468415																
V468416																
V468417																
V468418																



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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
V468379																
V468380		740	5.1	96.0	<0.002	0.10	1.64	1.9	1	0.4	1055	0.36	<0.05	5.38	0.119	0.45
V468381																
V468382																
V468383																
V468384																
V468385																
V468386																
V468387																
V468388																
V468389																
V468390																
V468391																
V468392																
V468393																
V468394																
V468395																
V468396																
V468397																
V468398																
V468399		550	5.3	103.0	0.002	0.22	1.13	1.7	1	0.6	801	0.96	0.11	2.30	0.183	0.67
V468400																
V468401																
V468402																
V468403																
V468404																
V468405																
V468406																
V468407																
V468408																
V468409																
V468410																
V468411																
V468412																
V468413																
V468414																
V468415																
V468416																
V468417																
V468418																



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468379 V468380 V468381 V468382 V468383		1.9	55	16.7	8.5	42	161.0
V468384 V468385 V468386 V468387 V468388							
V468389 V468390 V468391 V468392 V468393							
V468394 V468395 V468396 V468397 V468398							
V468399 V468400 V468401 V468402 V468403		0.6	69	8.4	6.1	50	135.5
V468404 V468405 V468406 V468407 V468408							
V468409 V468410 V468411 V468412 V468413							
V468414 V468415 V468416 V468417 V468418							



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V468419		1.94	0.107													
V468420		2.25	0.185		0.68	5.89	1.5	530	0.92	0.31	2.65	0.09	27.7	2.5	11	0.89
V468421		2.09	4.29													
V468422		1.86	0.216													
V468423		1.85	0.228													
V468424		0.72	0.250													
V468425		0.73	0.265													
V468426		1.47	1.060													
V468427		2.21	3.92													
V468428		1.73	0.342													
V468429		1.80	0.317													
V468430		2.40	4.88													
V468431		1.90	0.238													
V468432		2.03	0.183													
V468433		2.00	0.082													
V468434		1.86	0.079													
V468435		1.70	0.054													
V468436		1.79	0.092													
V468437		1.99	0.159													
V468438		2.58	0.664													
V468439		1.40	0.094		0.35	7.79	1.4	510	1.88	0.03	1.12	0.03	23.5	1.1	6	0.72
V468440		0.57	0.001													
V468441		2.31	0.315													
V468442		1.97	0.717													
V468443		1.83	2.34													
V468444		1.98	0.373													
V468445		1.98	0.400													
V468446		1.82	0.157													
V468447		2.21	0.342													
V468448		1.87	1.075													
V468449		1.96	0.792													
V468450		2.05	0.260													
V468451		1.80	0.381													
V468452		1.86	0.924													
V468453		2.13	1.245													
V468454		2.02	0.139													
V468455		2.26	0.123													
V468456		0.06	3.05													
V468457		1.79	0.043													
V468458		1.65	0.086													



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		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
V468419																
V468420		17.9	1.34	21.1	0.12	2.4	0.008	4.04	9.4	0.5	0.20	393	8.12	2.12	15.0	3.6
V468421																
V468422																
V468423																
V468424																
V468425																
V468426																
V468427																
V468428																
V468429																
V468430																
V468431																
V468432																
V468433																
V468434																
V468435																
V468436																
V468437																
V468438																
V468439		14.9	0.80	25.3	0.12	1.9	<0.005	4.32	9.2	0.5	0.10	174	0.15	4.17	5.4	1.1
V468440																
V468441																
V468442																
V468443																
V468444																
V468445																
V468446																
V468447																
V468448																
V468449																
V468450																
V468451																
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V468453																
V468454																
V468455																
V468456																
V468457																
V468458																



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Sample Description	Method Analyte Units LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
V468419 V468420 V468421 V468422 V468423		350	5.8	109.5	0.005	0.54	1.68	1.5	1	0.4	985	0.32	0.26	1.51	0.101	0.77
V468424 V468425 V468426 V468427 V468428																
V468429 V468430 V468431 V468432 V468433																
V468434 V468435 V468436 V468437 V468438																
V468439 V468440 V468441 V468442 V468443		150	2.8	120.0	<0.002	0.28	0.59	0.5	1	0.2	718	0.17	<0.05	1.08	0.024	0.60
V468444 V468445 V468446 V468447 V468448																
V468449 V468450 V468451 V468452 V468453																
V468454 V468455 V468456 V468457 V468458																



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468419 V468420 V468421 V468422 V468423		0.9	42	15.8	5.9	33	112.5
V468424 V468425 V468426 V468427 V468428							
V468429 V468430 V468431 V468432 V468433							
V468434 V468435 V468436 V468437 V468438							
V468439 V468440 V468441 V468442 V468443		0.5	12	2.4	3.6	19	91.1
V468444 V468445 V468446 V468447 V468448							
V468449 V468450 V468451 V468452 V468453							
V468454 V468455 V468456 V468457 V468458							



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V468459		1.86	0.295													
V468460		2.19	0.117		0.14	6.97	1.7	530	1.47	0.14	2.12	0.04	35.1	2.4	17	0.77
V468461		2.14	0.157													
V468462		2.26	0.208													
V468463		2.19	1.390													
V468464		1.82	0.031													
V468465		1.95	0.046													
V468466		1.83	0.613													
V468467		2.21	0.266													
V468468		1.87	0.345													
V468469		2.38	0.081													
V468470		2.42	0.045													
V468471		2.06	0.154													
V468472		2.06	0.179													
V468473		<0.02	0.147													
V468474		2.38	0.590													
V468475		1.84	0.052													
V468476		2.27	0.018													
V468477		2.09	0.128													
V468478		2.10	0.036													
V468479		2.32	1.165													
V468480		2.12	0.024		0.03	5.81	2.7	620	0.64	0.05	2.42	0.09	68.2	3.6	19	0.63
V468481		2.46	0.088													
V468482		2.14	0.053													

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Sample Description	Method Analyte Units LOD	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2
V468459 V468460 V468461 V468462 V468463		7.4	1.23	24.0	0.12	2.7	0.007	4.04	14.2	0.4	0.19	326	2.92	3.81	10.9	3.1
V468464 V468465 V468466 V468467 V468468																
V468469 V468470 V468471 V468472 V468473																
V468474 V468475 V468476 V468477 V468478																
V468479 V468480 V468481 V468482		3.2	1.45	19.15	0.16	3.0	0.013	3.63	27.6	0.4	0.39	452	0.86	3.40	15.5	6.2



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To: MAPLE GOLD MINES LTD.
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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19104002

Sample Description	Method Analyte Units LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
V468459 V468460 V468461 V468462 V468463		590	2.6	97.8	<0.002	0.24	1.53	1.1	<1	0.4	418	0.27	0.05	1.44	0.080	0.55
V468464 V468465 V468466 V468467 V468468																
V468469 V468470 V468471 V468472 V468473																
V468474 V468475 V468476 V468477 V468478																
V468479 V468480 V468481 V468482		570	3.0	88.2	<0.002	0.14	1.92	2.5	1	0.5	393	0.28	<0.05	3.26	0.125	0.40



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CERTIFICATE OF ANALYSIS VO19104002

Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V468459 V468460 V468461 V468462 V468463		0.7	42	10.1	5.7	31	120.0
V468464 V468465 V468466 V468467 V468468							
V468469 V468470 V468471 V468472 V468473							
V468474 V468475 V468476 V468477 V468478							
V468479 V468480 V468481 V468482		1.3	64	24.7	8.4	49	149.0



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CERTIFICATE OF ANALYSIS VO19104002

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-GRA21 Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
CRU-31 CRU-QC LOG-21 LOG-21d
LOG-24 PUL-31 PUL-31d PUL-QC
SPL-21 SPL-21d WEI-21



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CERTIFICATE VO19105406

Project: DOUAY
 P.O. No.: shipment MGM1903
 This report is for 164 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOD		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100690		1.95	0.007													
A0100691		1.90	0.030													
A0100692		1.90	0.051													
A0100693		1.95	0.004													
A0100694		2.34	0.005													
A0100695		2.64	0.018													
A0100696		2.38	0.037													
A0100697		2.31	0.008													
A0100698		2.01	0.061													
A0100699		1.94	0.134													
A0100700		2.02	0.051													
A0100701		2.05	0.105													
A0100702		2.12	0.601													
A0100703		2.38	0.744													
A0100704		0.07	3.04													
A0100705		2.24	0.079													
A0100706		2.37	0.024													
A0100707		2.40	0.023	0.16	6.41	16.5	1470	3.78	0.29	4.93	0.09	100.0	12.4	58	1.85	25.9
A0100708		2.54	0.039													
A0100709		2.14	0.042													
A0100710		1.93	0.455													
A0100711		2.16	0.281													
A0100712		2.11	0.293													
A0100713		2.54	0.067													
A0100714		2.15	0.259													
A0100715		2.18	0.234													
A0100716		2.11	0.619													
A0100717		1.82	0.585													
A0100718		1.95	0.383													
A0100719		1.99	0.109													
A0100720		0.77	0.380													
A0100721		1.17	0.422													
A0100722		2.00	1.390													
A0100723		1.94	0.828													
A0100724		1.84	0.218													
A0100725		1.84	0.110													
A0100726		1.98	0.133													
A0100727		1.93	0.232	1.14	5.63	93.2	620	2.17	0.27	8.93	0.15	257	18.0	26	2.51	71.8
A0100728		1.89	0.371													
A0100729		1.97	2.51													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100690 A0100691 A0100692 A0100693 A0100694		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100695 A0100696 A0100697 A0100698 A0100699																
A0100700 A0100701 A0100702 A0100703 A0100704																
A0100705 A0100706 A0100707 A0100708 A0100709		3.05	25.5	0.16	4.8	0.030	4.10	43.6	98.0	1.23	802	4.02	3.37	26.7	43.1	1140
A0100710 A0100711 A0100712 A0100713 A0100714																
A0100715 A0100716 A0100717 A0100718 A0100719																
A0100720 A0100721 A0100722 A0100723 A0100724																
A0100725 A0100726 A0100727 A0100728 A0100729		6.10	15.45	0.36	2.5	0.045	4.47	90.6	38.4	1.50	1320	7.84	1.94	44.6	22.6	7460

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



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100690 A0100691 A0100692 A0100693 A0100694																
A0100695 A0100696 A0100697 A0100698 A0100699																
A0100700 A0100701 A0100702 A0100703 A0100704																
A0100705 A0100706 A0100707 A0100708 A0100709		10.7	110.5	0.003	0.67	1.95	11.4	1	0.9	1505	0.23	0.07	35.6	0.247	0.86	3.8
A0100710 A0100711 A0100712 A0100713 A0100714																
A0100715 A0100716 A0100717 A0100718 A0100719																
A0100720 A0100721 A0100722 A0100723 A0100724																
A0100725 A0100726 A0100727 A0100728 A0100729		16.4	150.0	0.004	4.77	2.87	4.3	2	0.4	2580	2.18	0.67	19.60	0.264	1.12	3.1



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100690 A0100691 A0100692 A0100693 A0100694						
A0100695 A0100696 A0100697 A0100698 A0100699						
A0100700 A0100701 A0100702 A0100703 A0100704						
A0100705 A0100706 A0100707 A0100708 A0100709		237	5.4	28.6	77	161.0
A0100710 A0100711 A0100712 A0100713 A0100714						
A0100715 A0100716 A0100717 A0100718 A0100719						
A0100720 A0100721 A0100722 A0100723 A0100724						
A0100725 A0100726 A0100727 A0100728 A0100729		169	6.0	26.7	83	198.5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100730		2.15	0.330													
A0100731		1.93	0.102													
A0100732		2.04	0.200													
A0100733		1.81	0.197													
A0100734		1.87	0.156													
A0100735		2.14	0.538													
A0100736		0.40	0.001													
A0100737		2.17	0.344													
A0100738		2.06	0.342													
A0100739		2.16	0.231													
A0100740		1.92	0.186													
A0100741		1.93	0.194													
A0100742		1.93	0.437													
A0100743		1.98	0.557													
A0100744		1.94	0.123													
A0100745		2.13	0.098													
A0100746		2.18	0.246													
A0100747		2.18	0.424	0.96	6.78	80.5	530	2.13	0.35	7.45	0.15	220	14.7	44	0.95	24.5
A0100748		2.09	0.473													
A0100749		2.13	1.295													
A0100750		2.03	0.494													
A0100751		2.04	2.26													
A0100752		0.07	0.144													
A0100753		1.75	0.119													
A0100754		1.94	0.227													
A0100755		1.89	0.080													
A0100756		1.92	0.204													
A0100757		1.89	0.546													
A0100758		1.91	0.446													
A0100759		2.34	0.356													
A0100760		2.19	0.126													
A0100761		2.13	0.879													
A0100762		2.01	0.351													
A0100763		2.03	0.089													
A0100764		1.93	0.126													
A0100765		1.85	0.300													
A0100766		1.85	0.628													
A0100767		2.00	0.694	0.47	5.67	74.3	650	1.68	0.41	10.35	0.17	321	11.4	32	0.56	41.2
A0100768		2.22	1.165													
A0100769		<0.02	1.125													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100730 A0100731 A0100732 A0100733 A0100734		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100735 A0100736 A0100737 A0100738 A0100739																
A0100740 A0100741 A0100742 A0100743 A0100744																
A0100745 A0100746 A0100747 A0100748 A0100749		4.10	18.60	0.25	2.8	0.031	3.95	92.5	28.9	1.61	1180	14.90	3.22	22.5	43.9	2700
A0100750 A0100751 A0100752 A0100753 A0100754																
A0100755 A0100756 A0100757 A0100758 A0100759																
A0100760 A0100761 A0100762 A0100763 A0100764																
A0100765 A0100766 A0100767 A0100768 A0100769		4.29	14.90	0.26	2.7	0.030	3.57	135.5	8.1	1.51	1390	8.07	2.46	36.5	26.0	3550



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A0100730 A0100731 A0100732 A0100733 A0100734																
A0100735 A0100736 A0100737 A0100738 A0100739																
A0100740 A0100741 A0100742 A0100743 A0100744																
A0100745 A0100746 A0100747 A0100748 A0100749		19.0	102.5	0.003	3.44	2.16	6.8	1	0.6	2170	0.36	1.18	8.27	0.227	1.12	2.2
A0100750 A0100751 A0100752 A0100753 A0100754																
A0100755 A0100756 A0100757 A0100758 A0100759																
A0100760 A0100761 A0100762 A0100763 A0100764																
A0100765 A0100766 A0100767 A0100768 A0100769		16.5	87.2	0.005	3.56	1.64	5.0	1	0.4	3290	0.89	0.56	14.95	0.158	0.91	2.4



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A0100730 A0100731 A0100732 A0100733 A0100734						
A0100735 A0100736 A0100737 A0100738 A0100739						
A0100740 A0100741 A0100742 A0100743 A0100744						
A0100745 A0100746 A0100747 A0100748 A0100749		87	7.2	19.5	98	150.5
A0100750 A0100751 A0100752 A0100753 A0100754						
A0100755 A0100756 A0100757 A0100758 A0100759						
A0100760 A0100761 A0100762 A0100763 A0100764						
A0100765 A0100766 A0100767 A0100768 A0100769		67	3.9	25.2	106	193.5



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100770		2.03	0.245													
A0100771		2.13	0.116													
A0100772		2.12	0.366													
A0100773		1.88	0.115													
A0100774		1.89	0.171													
A0100775		1.84	0.096													
A0100776		1.81	0.164													
A0100777		1.82	0.475													
A0100778		1.83	0.083													
A0100779		1.78	0.144													
A0100780		1.76	0.098													
A0100781		1.72	0.195													
A0100782		1.95	0.179													
A0100783		2.08	0.122													
A0100784		0.50	<0.001													
A0100785		2.11	0.428													
A0100786		2.01	0.728													
A0100787		1.86	0.173	0.60	6.51	43.4	1130	2.59	0.23	5.67	0.07	102.5	12.7	44	0.89	27.5
A0100788		1.77	0.185													
A0100789		1.81	0.166													
A0100790		1.82	0.135													
A0100791		1.94	0.126													
A0100792		2.19	0.065													
A0100793		2.24	0.103													
A0100794		2.07	0.067													
A0100795		2.12	0.171													
A0100796		2.00	0.334													
A0100797		1.86	0.142													
A0100798		1.96	0.011													
A0100799		2.03	0.111													
A0100800		0.07	0.506													
A0100801		1.73	0.162													
A0100802		2.00	0.057													
A0100803		1.89	0.118													
A0100804		2.31	0.015													
A0100805		2.27	0.075													
A0100806		2.56	0.073													
A0100807		2.17	0.156	0.18	6.97	43.8	1490	3.68	0.35	5.56	0.12	227	14.6	52	3.81	32.5
A0100808		0.07	3.02													
A0100809		1.85	0.063													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100770 A0100771 A0100772 A0100773 A0100774		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100775 A0100776 A0100777 A0100778 A0100779																
A0100780 A0100781 A0100782 A0100783 A0100784																
A0100785 A0100786 A0100787 A0100788 A0100789		2.39	18.95	0.11	2.7	0.031	2.41	45.1	47.8	0.99	658	5.67	4.44	8.7	45.1	1830
A0100790 A0100791 A0100792 A0100793 A0100794																
A0100795 A0100796 A0100797 A0100798 A0100799																
A0100800 A0100801 A0100802 A0100803 A0100804																
A0100805 A0100806 A0100807 A0100808 A0100809		3.77	20.4	0.16	4.2	0.027	2.86	92.9	47.1	1.47	912	4.89	4.03	29.3	45.7	1930



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100770 A0100771 A0100772 A0100773 A0100774		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100775 A0100776 A0100777 A0100778 A0100779																
A0100780 A0100781 A0100782 A0100783 A0100784																
A0100785 A0100786 A0100787 A0100788 A0100789		10.8	73.4	0.003	1.52	1.59	5.4	1	0.5	1615	0.20	0.65	5.03	0.221	0.77	1.2
A0100790 A0100791 A0100792 A0100793 A0100794																
A0100795 A0100796 A0100797 A0100798 A0100799																
A0100800 A0100801 A0100802 A0100803 A0100804																
A0100805 A0100806 A0100807 A0100808 A0100809		20.0	96.0	0.006	2.28	1.90	7.4	1	0.7	2050	0.47	0.44	18.45	0.239	1.11	4.3



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100770 A0100771 A0100772 A0100773 A0100774						
A0100775 A0100776 A0100777 A0100778 A0100779						
A0100780 A0100781 A0100782 A0100783 A0100784						
A0100785 A0100786 A0100787 A0100788 A0100789		83	9.1	10.4	71	119.5
A0100790 A0100791 A0100792 A0100793 A0100794						
A0100795 A0100796 A0100797 A0100798 A0100799						
A0100800 A0100801 A0100802 A0100803 A0100804						
A0100805 A0100806 A0100807 A0100808 A0100809		98	2.5	25.3	135	251



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100810		1.87	0.046													
A0100811		1.82	0.043													
A0100812		1.97	0.192													
A0100813		2.04	0.078													
A0100814		1.98	0.091													
A0100815		2.28	0.076													
A0100816		2.25	0.077													
A0100817		2.55	0.167													
A0100818		2.07	0.386													
A0100819		2.00	0.090													
A0100820		1.87	0.091													
A0100821		1.94	0.136													
A0100822		2.03	0.440													
A0100823		1.83	0.256													
A0100824		1.14	0.158													
A0100825		0.94	0.165													
A0100826		2.19	0.143													
A0100827		2.42	0.180	0.78	6.52	62.8	760	2.51	0.30	6.09	0.15	210	10.6	34	1.06	37.6
A0100828		2.23	0.298													
A0100829		2.16	0.319													
A0100830		2.05	0.369													
A0100831		2.01	0.215													
A0100832		1.78	0.257													
A0100833		1.84	0.134													
A0100834		1.77	0.146													
A0100835		1.93	0.536													
A0100836		1.84	0.691													
A0100837		2.05	0.360													
A0100838		2.17	0.219													
A0100839		1.96	0.192													
A0100840		0.48	0.001													
A0100841		2.19	1.880													
A0100842		2.59	1.985													
A0100843		1.86	0.483													
A0100844		1.85	0.390													
A0100845		1.86	0.066													
A0100846		1.89	0.030													
A0100847		2.04	0.034	0.17	7.53	36.0	1390	3.93	0.08	5.16	0.09	110.5	11.9	16	2.50	54.5
A0100848		2.31	0.046													
A0100849		2.64	0.014													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100810 A0100811 A0100812 A0100813 A0100814		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100815 A0100816 A0100817 A0100818 A0100819																
A0100820 A0100821 A0100822 A0100823 A0100824																
A0100825 A0100826 A0100827 A0100828 A0100829		3.71	23.5	0.21	2.4	0.022	4.85	84.1	27.5	0.98	913	6.21	2.98	29.6	27.4	1760
A0100830 A0100831 A0100832 A0100833 A0100834																
A0100835 A0100836 A0100837 A0100838 A0100839																
A0100840 A0100841 A0100842 A0100843 A0100844																
A0100845 A0100846 A0100847 A0100848 A0100849		6.38	24.3	0.18	3.0	0.033	5.57	33.7	36.2	0.64	1380	1.41	1.38	52.7	11.2	1530



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100810 A0100811 A0100812 A0100813 A0100814		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100815 A0100816 A0100817 A0100818 A0100819																
A0100820 A0100821 A0100822 A0100823 A0100824																
A0100825 A0100826 A0100827 A0100828 A0100829		15.8	126.0	0.004	2.68	3.47	4.0	1	0.6	2090	0.45	0.49	9.55	0.222	1.37	2.5
A0100830 A0100831 A0100832 A0100833 A0100834																
A0100835 A0100836 A0100837 A0100838 A0100839																
A0100840 A0100841 A0100842 A0100843 A0100844																
A0100845 A0100846 A0100847 A0100848 A0100849		8.2	129.5	0.002	1.14	1.39	2.4	1	0.5	825	2.21	0.12	6.01	0.263	2.10	1.3



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100810 A0100811 A0100812 A0100813 A0100814						
A0100815 A0100816 A0100817 A0100818 A0100819						
A0100820 A0100821 A0100822 A0100823 A0100824						
A0100825 A0100826 A0100827 A0100828 A0100829		144	5.9	18.5	87	150.0
A0100830 A0100831 A0100832 A0100833 A0100834						
A0100835 A0100836 A0100837 A0100838 A0100839						
A0100840 A0100841 A0100842 A0100843 A0100844						
A0100845 A0100846 A0100847 A0100848 A0100849		193	2.8	18.9	62	209



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					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
A0100850					2.34	0.063														
A0100851					2.24	0.014														
A0100852					1.96	0.114														
A0100853					1.94	0.288														



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61						
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P			
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm		
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	10		
A0100850																						
A0100851																						
A0100852																						
A0100853																						

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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61		
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
A0100850																	
A0100851																	
A0100852																	
A0100853																	

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100850 A0100851 A0100852 A0100853						



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>	Au-ICP21	ME-MS61										
Au-ICP21	ME-MS61												



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CERTIFICATE VO19105418

Project: DOUAY
 P.O. No.: shipment MGM1903
 This report is for 163 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100854		1.99	0.319													
A0100855		2.37	0.056													
A0100856		0.07	0.149													
A0100857		2.39	0.060													
A0100858		2.38	0.087													
A0100859		2.35	0.023													
A0100860		2.36	0.154													
A0100861		2.01	0.027													
A0100862		1.80	0.065													
A0100863		2.27	0.115													
A0100864		1.87	0.012													
A0100865		1.93	0.008													
A0100866		2.41	0.010													
A0100867		2.25	0.022	0.20	7.37	26.9	1130	2.44	0.54	4.94	0.11	161.5	14.9	67	5.22	39.1
A0100868		2.30	0.006													
A0100869		2.38	0.009													
A0100870		1.92	0.007													
A0100871		2.15	0.073													
A0100872		1.92	0.005													
A0100873		<0.02	0.005													
A0100874		1.98	0.015													
A0100875		2.50	0.010													
A0100876		2.02	0.012													
A0100877		2.16	0.016													
A0100878		2.43	0.011													
A0100879		2.28	0.010													
A0100880		2.13	0.013													
A0100881		2.32	0.021													
A0100882		2.26	0.011													
A0100883		2.17	0.088													
A0100884		2.05	0.012													
A0100885		2.24	0.024													
A0100886		2.16	0.109													
A0100887		2.29	0.026	0.20	6.99	33.0	950	2.09	0.26	4.65	0.08	117.0	12.1	72	0.86	28.4
A0100888		0.61	<0.001													
A0100889		2.15	0.011													
A0100890		2.10	0.022													
A0100891		2.09	0.336													
A0100892		2.15	0.327													
A0100893		2.15	0.009													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100854 A0100855 A0100856 A0100857 A0100858		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100859 A0100860 A0100861 A0100862 A0100863																
A0100864 A0100865 A0100866 A0100867 A0100868		3.45	18.80	0.12	3.3	0.026	2.53	75.9	51.7	1.79	806	1.93	4.08	13.6	54.6	1210
A0100869 A0100870 A0100871 A0100872 A0100873																
A0100874 A0100875 A0100876 A0100877 A0100878																
A0100879 A0100880 A0100881 A0100882 A0100883																
A0100884 A0100885 A0100886 A0100887 A0100888		3.39	18.40	0.08	3.1	0.026	2.80	52.3	37.8	1.43	752	1.99	4.14	14.9	47.6	2140
A0100889 A0100890 A0100891 A0100892 A0100893																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100854 A0100855 A0100856 A0100857 A0100858																
A0100859 A0100860 A0100861 A0100862 A0100863																
A0100864 A0100865 A0100866 A0100867 A0100868		19.6	104.0	0.002	0.87	1.87	8.9	1	0.6	1425	0.24	0.18	6.39	0.289	0.72	1.9
A0100869 A0100870 A0100871 A0100872 A0100873																
A0100874 A0100875 A0100876 A0100877 A0100878																
A0100879 A0100880 A0100881 A0100882 A0100883																
A0100884 A0100885 A0100886 A0100887 A0100888		10.0	76.6	0.002	1.36	3.13	7.7	<1	0.5	1155	0.26	<0.05	7.41	0.229	0.47	1.6
A0100889 A0100890 A0100891 A0100892 A0100893																



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A0100854 A0100855 A0100856 A0100857 A0100858						
A0100859 A0100860 A0100861 A0100862 A0100863						
A0100864 A0100865 A0100866 A0100867 A0100868		138	2.9	11.6	96	154.0
A0100869 A0100870 A0100871 A0100872 A0100873						
A0100874 A0100875 A0100876 A0100877 A0100878						
A0100879 A0100880 A0100881 A0100882 A0100883						
A0100884 A0100885 A0100886 A0100887 A0100888		114	8.2	9.3	62	159.0
A0100889 A0100890 A0100891 A0100892 A0100893						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100894		2.13	0.005													
A0100895		2.07	0.023													
A0100896		2.04	0.071													
A0100897		2.08	0.144													
A0100898		2.14	0.988													
A0100899		2.33	0.052													
A0100900		2.32	0.133													
A0100901		2.49	0.130													
A0100902		2.29	0.401													
A0100903		2.11	0.692													
A0100904		0.07	0.508													
A0100905		1.95	0.105													
A0100906		2.01	0.153													
A0100907		1.90	0.273	0.38	6.76	106.0	1640	1.24	0.34	6.21	0.17	214	12.7	56	0.80	31.1
A0100908		2.05	0.256													
A0100909		2.09	0.186													
A0100910		2.17	0.077													
A0100911		2.06	0.261													
A0100912		2.20	0.101													
A0100913		2.22	0.007													
A0100914		2.29	0.012													
A0100915		2.40	0.068													
A0100916		2.28	0.027													
A0100917		2.24	0.009													
A0100918		2.12	0.013													
A0100919		2.07	0.015													
A0100920		1.07	0.310													
A0100921		0.98	0.372													
A0100922		2.26	0.071													
A0100923		2.63	0.012													
A0100924		1.94	0.016													
A0100925		2.13	0.121													
A0100926		2.22	0.124													
A0100927		2.28	0.062	0.97	6.05	32.0	1010	2.75	0.16	3.91	0.07	84.3	14.3	68	2.10	32.6
A0100928		2.29	0.044													
A0100929		2.24	0.038													
A0100930		2.33	0.059													
A0100931		2.19	7.20													
A0100932		2.32	0.616													
A0100933		2.29	0.120													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0100894 A0100895 A0100896 A0100897 A0100898		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100899 A0100900 A0100901 A0100902 A0100903																
A0100904 A0100905 A0100906 A0100907 A0100908		3.46	18.15	0.19	3.4	0.036	5.08	99.3	9.6	1.53	1080	6.59	2.48	47.9	44.2	2030
A0100909 A0100910 A0100911 A0100912 A0100913																
A0100914 A0100915 A0100916 A0100917 A0100918																
A0100919 A0100920 A0100921 A0100922 A0100923																
A0100924 A0100925 A0100926 A0100927 A0100928		3.72	18.45	0.07	3.2	0.031	2.33	43.7	82.6	1.44	641	3.36	4.25	4.8	54.3	990
A0100929 A0100930 A0100931 A0100932 A0100933																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100894 A0100895 A0100896 A0100897 A0100898																
A0100899 A0100900 A0100901 A0100902 A0100903																
A0100904 A0100905 A0100906 A0100907 A0100908		16.8	105.5	0.002	1.61	5.22	7.1	1	0.6	2280	0.72	0.17	13.35	0.246	0.89	3.2
A0100909 A0100910 A0100911 A0100912 A0100913																
A0100914 A0100915 A0100916 A0100917 A0100918																
A0100919 A0100920 A0100921 A0100922 A0100923																
A0100924 A0100925 A0100926 A0100927 A0100928		7.4	56.0	<0.002	1.04	4.18	7.6	1	0.6	1265	0.18	0.83	4.25	0.279	0.70	0.8
A0100929 A0100930 A0100931 A0100932 A0100933																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100894 A0100895 A0100896 A0100897 A0100898						
A0100899 A0100900 A0100901 A0100902 A0100903						
A0100904 A0100905 A0100906 A0100907 A0100908		126	18.1	13.0	101	212
A0100909 A0100910 A0100911 A0100912 A0100913						
A0100914 A0100915 A0100916 A0100917 A0100918						
A0100919 A0100920 A0100921 A0100922 A0100923						
A0100924 A0100925 A0100926 A0100927 A0100928		94	6.9	7.6	68	144.0
A0100929 A0100930 A0100931 A0100932 A0100933						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100934		2.23	0.072													
A0100935		2.36	0.086													
A0100936		0.53	<0.001													
A0100937		2.32	0.106													
A0100938		1.94	0.135													
A0100939		2.52	0.204													
A0100940		2.20	0.170													
A0100941		2.36	0.149													
A0100942		2.32	0.026													
A0100943		2.31	0.015													
A0100944		2.13	0.012													
A0100945		2.46	0.008													
A0100946		2.21	0.006													
A0100947		2.28	0.005	0.10	6.93	19.5	1470	1.11	0.30	5.76	0.05	105.0	14.3	60	2.74	30.3
A0100948		2.24	0.006													
A0100949		2.38	0.008													
A0100950		2.27	0.010													
A0100951		2.19	0.005													
A0100952		0.07	2.95													
A0100953		2.11	0.010													
A0100954		2.37	0.010													
A0100955		2.34	0.060													
A0100956		2.26	0.058													
A0100957		2.24	0.079													
A0100958		2.14	0.044													
A0100959		2.07	0.803													
A0100960		2.17	0.064													
A0100961		1.92	0.135													
A0100962		2.40	0.385													
A0100963		2.18	0.261													
A0100964		2.12	0.289													
A0100965		2.25	0.439													
A0100966		2.21	0.377													
A0100967		2.18	0.281	2.58	6.53	70.7	750	1.01	0.96	5.53	0.06	106.0	27.1	77	0.96	52.7
A0100968		2.09	0.102													
A0100969		<0.02	0.083													
A0100970		2.45	0.088													
A0100971		1.75	0.063													
A0100972		2.60	0.057													
A0100973		2.58	0.028													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100934 A0100935 A0100936 A0100937 A0100938		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100939 A0100940 A0100941 A0100942 A0100943																
A0100944 A0100945 A0100946 A0100947 A0100948		3.65	15.55	<0.05	2.9	0.026	1.63	66.3	44.2	2.00	688	3.85	3.95	3.0	54.5	830
A0100949 A0100950 A0100951 A0100952 A0100953																
A0100954 A0100955 A0100956 A0100957 A0100958																
A0100959 A0100960 A0100961 A0100962 A0100963																
A0100964 A0100965 A0100966 A0100967 A0100968		5.17	15.30	0.10	2.0	0.038	4.84	63.5	15.6	2.09	851	205	2.14	13.0	80.0	930
A0100969 A0100970 A0100971 A0100972 A0100973																



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0100934 A0100935 A0100936 A0100937 A0100938		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0100939 A0100940 A0100941 A0100942 A0100943																
A0100944 A0100945 A0100946 A0100947 A0100948		4.7	67.2	0.005	1.74	3.03	8.0	<1	0.5	2690	0.17	<0.05	3.95	0.282	0.66	1.1
A0100949 A0100950 A0100951 A0100952 A0100953																
A0100954 A0100955 A0100956 A0100957 A0100958																
A0100959 A0100960 A0100961 A0100962 A0100963																
A0100964 A0100965 A0100966 A0100967 A0100968		51.6	92.5	0.008	3.85	7.59	12.2	2	0.5	3890	0.15	0.50	81.9	0.319	1.45	1.2
A0100969 A0100970 A0100971 A0100972 A0100973																



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A0100934 A0100935 A0100936 A0100937 A0100938						
A0100939 A0100940 A0100941 A0100942 A0100943						
A0100944 A0100945 A0100946 A0100947 A0100948		75	2.5	9.1	73	129.5
A0100949 A0100950 A0100951 A0100952 A0100953						
A0100954 A0100955 A0100956 A0100957 A0100958						
A0100959 A0100960 A0100961 A0100962 A0100963						
A0100964 A0100965 A0100966 A0100967 A0100968		110	13.0	42.8	89	95.8
A0100969 A0100970 A0100971 A0100972 A0100973						



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To: MAPLE GOLD MINES LTD.
 1 RICHMOND STREET WEST
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 Account: VISAU

Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105418

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0100974		2.87	0.053													
A0100975		2.69	0.061													
A0100976		2.56	0.071													
A0100977		2.65	0.103													
A0100978		2.53	0.063													
A0100979		2.46	0.228													
A0100980		2.54	0.231													
A0100981		2.44	0.230													
A0100982		2.46	0.241													
A0100983		2.54	0.238													
A0100984		0.42	<0.001													
A0100985		2.52	0.099													
A0100986		2.64	0.164													
A0100987		2.52	0.323	0.68	6.82	54.5	1010	0.74	0.33	5.14	0.09	98.2	21.6	78	0.74	57.2
A0100988		2.29	0.204													
A0100989		2.55	0.304													
A0100990		2.58	0.203													
A0100991		2.65	0.444													
A0100992		2.55	0.126													
A0100993		2.69	0.154													
A0100994		2.62	0.224													
A0100995		2.52	0.563													
A0100996		2.61	0.239													
A0100997		2.64	0.415													
A0100998		2.46	0.331													
A0100999		2.64	0.188													
A0101000		0.07	0.148													
A0101001		2.63	0.472													
A0101002		2.68	0.426													
A0101003		2.68	0.143													
A0101004		2.61	0.038													
A0101005		2.65	0.055													
A0101006		2.55	0.211													
A0101007		2.67	0.175	0.19	6.33	25.3	790	1.32	0.14	3.60	0.03	63.1	14.4	62	1.02	24.4
A0101008		0.07	0.135													
A0101009		2.54	0.179													
A0101010		2.54	0.037													
A0101011		2.63	0.032													
A0101012		2.47	0.194													
A0101013		2.19	0.014													



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105418

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0100974 A0100975 A0100976 A0100977 A0100978		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0100979 A0100980 A0100981 A0100982 A0100983																
A0100984 A0100985 A0100986 A0100987 A0100988		4.70	14.90	0.06	2.7	0.033	1.73	61.0	19.9	2.04	761	8.24	4.14	3.2	82.8	770
A0100989 A0100990 A0100991 A0100992 A0100993																
A0100994 A0100995 A0100996 A0100997 A0100998																
A0100999 A0101000 A0101001 A0101002 A0101003																
A0101004 A0101005 A0101006 A0101007 A0101008		2.93	17.05	<0.05	3.0	0.030	2.26	32.3	13.9	1.30	442	2.03	3.76	4.8	51.7	910
A0101009 A0101010 A0101011 A0101012 A0101013																



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CERTIFICATE OF ANALYSIS VO19105418

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0100974 A0100975 A0100976 A0100977 A0100978																
A0100979 A0100980 A0100981 A0100982 A0100983																
A0100984 A0100985 A0100986 A0100987 A0100988		9.8	51.8	0.007	2.68	7.26	8.1	1	0.4	1495	0.13	0.30	31.8	0.197	0.53	1.3
A0100989 A0100990 A0100991 A0100992 A0100993																
A0100994 A0100995 A0100996 A0100997 A0100998																
A0100999 A0101000 A0101001 A0101002 A0101003																
A0101004 A0101005 A0101006 A0101007 A0101008		8.1	59.2	<0.002	1.25	3.80	6.8	1	0.6	887	0.14	0.20	4.60	0.222	0.67	0.8
A0101009 A0101010 A0101011 A0101012 A0101013																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0100974 A0100975 A0100976 A0100977 A0100978						
A0100979 A0100980 A0100981 A0100982 A0100983						
A0100984 A0100985 A0100986 A0100987 A0100988		83	8.9	18.0	72	122.5
A0100989 A0100990 A0100991 A0100992 A0100993						
A0100994 A0100995 A0100996 A0100997 A0100998						
A0100999 A0101000 A0101001 A0101002 A0101003						
A0101004 A0101005 A0101006 A0101007 A0101008		97	11.8	7.3	56	128.5
A0101009 A0101010 A0101011 A0101012 A0101013						



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CERTIFICATE OF ANALYSIS VO19105418

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101014		2.61	0.054													
A0101015		2.60	0.028													
A0101016		2.98	0.022													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P		
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	10	
A0101014 A0101015 A0101016																					

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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101014 A0101015 A0101016																



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CERTIFICATE OF ANALYSIS VO19105418

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101014 A0101015 A0101016						



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CERTIFICATE OF ANALYSIS VO19105418

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19105423

Project: DOUAY
 P.O. No.: Shipment MGM1903
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102501		2.05	0.001													
A0102502		1.48	0.001													
A0102503		1.78	<0.001													
A0102504		0.07	0.146													
A0102505		1.76	0.002													
A0102506		1.84	<0.001													
A0102507		1.65	<0.001													
A0102508		2.19	<0.001													
A0102509		1.96	<0.001													
A0102510		1.79	<0.001													
A0102511		1.71	<0.001													
A0102512		1.98	0.002													
A0102513		1.80	<0.001													
A0102514		2.02	<0.001													
A0102515		1.97	<0.001													
A0102516		2.03	0.001													
A0102517		1.56	<0.001													
A0102518		2.78	<0.001													
A0102519		0.79	<0.001													
A0102520		1.05	<0.001	0.03	8.55	1.9	450	1.13	0.08	7.38	0.06	35.7	42.5	198	0.64	57.7
A0102521		0.85	<0.001													
A0102522		2.22	<0.001													
A0102523		2.01	<0.001													
A0102524		1.91	0.001													
A0102525		2.08	<0.001													
A0102526		1.90	<0.001													
A0102527		1.92	<0.001													
A0102528		2.03	<0.001													
A0102529		2.14	<0.001													
A0102530		1.93	<0.001													
A0102531		2.41	<0.001													
A0102532		2.31	0.002													
A0102533		2.36	<0.001													
A0102534		2.40	0.002													
A0102535		2.47	0.001													
A0102536		0.56	<0.001													
A0102537		2.33	0.001													
A0102538		1.71	0.001													
A0102539		2.21	0.001													
A0102540		1.94	0.001	0.03	6.97	0.9	40	0.23	0.03	10.10	0.07	8.93	40.8	60	0.20	81.7

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102501 A0102502 A0102503 A0102504 A0102505		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102506 A0102507 A0102508 A0102509 A0102510																
A0102511 A0102512 A0102513 A0102514 A0102515																
A0102516 A0102517 A0102518 A0102519 A0102520		6.64	16.90	0.07	1.5	0.059	1.50	15.4	10.4	2.02	1540	1.73	2.18	3.6	91.3	590
A0102521 A0102522 A0102523 A0102524 A0102525																
A0102526 A0102527 A0102528 A0102529 A0102530																
A0102531 A0102532 A0102533 A0102534 A0102535																
A0102536 A0102537 A0102538 A0102539 A0102540		8.42	15.75	<0.05	1.5	0.082	0.15	3.2	8.5	2.76	1430	0.25	1.37	2.1	42.7	310

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
A0102501 A0102502 A0102503 A0102504 A0102505		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102506 A0102507 A0102508 A0102509 A0102510																
A0102511 A0102512 A0102513 A0102514 A0102515																
A0102516 A0102517 A0102518 A0102519 A0102520		3.3	42.9	0.002	0.17	0.21	43.8	<1	0.5	581	0.16	<0.05	1.70	0.408	0.14	0.5
A0102521 A0102522 A0102523 A0102524 A0102525																
A0102526 A0102527 A0102528 A0102529 A0102530																
A0102531 A0102532 A0102533 A0102534 A0102535																
A0102536 A0102537 A0102538 A0102539 A0102540		0.8	3.7	<0.002	0.04	0.11	42.7	1	0.6	109.5	0.13	<0.05	0.23	0.519	0.03	0.1

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102501 A0102502 A0102503 A0102504 A0102505						
A0102506 A0102507 A0102508 A0102509 A0102510						
A0102511 A0102512 A0102513 A0102514 A0102515						
A0102516 A0102517 A0102518 A0102519 A0102520		187	0.9	12.9	73	57.2
A0102521 A0102522 A0102523 A0102524 A0102525						
A0102526 A0102527 A0102528 A0102529 A0102530						
A0102531 A0102532 A0102533 A0102534 A0102535						
A0102536 A0102537 A0102538 A0102539 A0102540		264	0.2	19.9	87	49.7

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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



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 1 RICHMOND STREET WEST
 SUITE 701
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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102541		2.38	0.002													
A0102542		2.10	0.002													
A0102543		2.15	<0.001													
A0102544		2.05	<0.001													
A0102545		2.13	0.001													
A0102546		2.24	0.001													
A0102547		2.15	0.004													
A0102548		2.40	0.002													
A0102549		2.19	0.004													
A0102550		2.40	0.004													
A0102551		2.01	0.002													
A0102552		0.07	0.511													
A0102553		1.97	0.002													
A0102554		2.02	0.001													
A0102555		1.98	0.002													
A0102556		2.22	0.001													
A0102557		2.43	0.001													
A0102558		2.79	0.006													
A0102559		2.42	<0.001													
A0102560		2.55	<0.001	0.05	6.61	0.4	40	0.29	0.02	10.30	0.17	8.09	41.0	67	0.14	141.0
A0102561		2.95	<0.001													
A0102562		2.76	<0.001													
A0102563		2.80	<0.001													
A0102564		2.47	0.001													
A0102565		2.77	<0.001													
A0102566		2.90	0.002													
A0102567		2.73	<0.001													
A0102568		2.70	0.001													
A0102569		<0.02	0.001													
A0102570		2.63	<0.001													
A0102571		2.22	0.002													
A0102572		2.47	0.002													
A0102573		2.51	0.002													
A0102574		2.49	<0.001													
A0102575		2.80	<0.001													
A0102576		2.87	<0.001													
A0102577		2.58	0.003													
A0102578		2.89	0.003													
A0102579		2.65	0.010													
A0102580		2.28	0.001	0.05	7.67	0.9	60	0.32	0.03	7.62	0.10	13.30	42.5	65	0.20	139.0

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102541 A0102542 A0102543 A0102544 A0102545		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102546 A0102547 A0102548 A0102549 A0102550																
A0102551 A0102552 A0102553 A0102554 A0102555																
A0102556 A0102557 A0102558 A0102559 A0102560		9.09	14.25	<0.05	1.3	0.072	0.12	2.9	8.8	2.39	1980	0.26	1.52	2.0	48.4	310
A0102561 A0102562 A0102563 A0102564 A0102565																
A0102566 A0102567 A0102568 A0102569 A0102570																
A0102571 A0102572 A0102573 A0102574 A0102575																
A0102576 A0102577 A0102578 A0102579 A0102580		7.93	16.70	<0.05	1.6	0.076	0.07	4.7	17.1	3.89	1640	0.44	1.86	2.5	45.1	380

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0102541 A0102542 A0102543 A0102544 A0102545		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102546 A0102547 A0102548 A0102549 A0102550																
A0102551 A0102552 A0102553 A0102554 A0102555																
A0102556 A0102557 A0102558 A0102559 A0102560		1.0	2.2	0.003	0.17	0.10	49.3	1	0.4	112.5	0.12	<0.05	0.23	0.483	0.03	0.1
A0102561 A0102562 A0102563 A0102564 A0102565																
A0102566 A0102567 A0102568 A0102569 A0102570																
A0102571 A0102572 A0102573 A0102574 A0102575																
A0102576 A0102577 A0102578 A0102579 A0102580		1.1	1.8	0.002	0.13	0.13	44.5	1	0.6	128.0	0.15	<0.05	0.65	0.581	0.03	0.2

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102541 A0102542 A0102543 A0102544 A0102545						
A0102546 A0102547 A0102548 A0102549 A0102550						
A0102551 A0102552 A0102553 A0102554 A0102555						
A0102556 A0102557 A0102558 A0102559 A0102560		252	0.1	18.9	102	47.0
A0102561 A0102562 A0102563 A0102564 A0102565						
A0102566 A0102567 A0102568 A0102569 A0102570						
A0102571 A0102572 A0102573 A0102574 A0102575						
A0102576 A0102577 A0102578 A0102579 A0102580		290	0.2	21.6	90	51.6

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102581		2.19	0.001													
A0102582		2.55	0.003													
A0102583		2.85	0.002													
A0102584		0.72	0.002													
A0102585		2.89	0.003													
A0102586		2.97	0.001													
A0102587		2.92	0.003													
A0102588		2.63	0.004													
A0102589		2.31	0.003													
A0102590		2.43	0.002													
A0102591		2.19	0.004													
A0102592		2.29	0.002													
A0102593		3.16	0.002													
A0102594		2.88	0.002													
A0102595		2.67	0.002													
A0102596		2.28	0.001													
A0102597		2.36	0.002													
A0102598		2.38	0.012													
A0102599		2.30	0.002													
A0102600		0.07	3.00													
A0102601		2.48	0.002	0.05	7.69	1.7	150	0.48	0.02	7.96	0.13	9.49	45.3	84	0.35	78.5
A0102602		2.44	0.004													
A0102603		1.99	0.005													
A0102604		2.56	0.002													
A0102605		2.29	0.001													
A0102606		2.58	0.002													
A0102607		2.64	0.002													
A0102608		0.07	0.147													
A0102609		2.49	0.001													
A0102610		2.65	0.002													
A0102611		2.48	0.001													
A0102612		2.32	0.002													
A0102613		2.52	0.002													
A0102614		2.43	0.001													
A0102615		2.24	0.002													
A0102616		2.34	0.001													
A0102617		2.35	0.003													
A0102618		2.42	0.001													
A0102619		2.46	0.002													
A0102620		2.32	0.002	0.03	7.91	1.9	70	0.29	0.02	6.98	0.11	8.01	51.0	196	0.22	95.5

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2
A0102581 A0102582 A0102583 A0102584 A0102585															
A0102586 A0102587 A0102588 A0102589 A0102590															
A0102591 A0102592 A0102593 A0102594 A0102595															
A0102596 A0102597 A0102598 A0102599 A0102600															
A0102601 A0102602 A0102603 A0102604 A0102605		8.62	16.85	<0.05	1.5	0.077	0.50	3.3	16.1	2.84	1700	0.38	2.07	2.2	50.3 350
A0102606 A0102607 A0102608 A0102609 A0102610															
A0102611 A0102612 A0102613 A0102614 A0102615															
A0102616 A0102617 A0102618 A0102619 A0102620		9.56	16.30	0.05	1.1	0.077	0.19	2.8	32.3	5.36	1460	0.39	1.48	2.1	132.0 290

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
A0102581 A0102582 A0102583 A0102584 A0102585																
A0102586 A0102587 A0102588 A0102589 A0102590																
A0102591 A0102592 A0102593 A0102594 A0102595																
A0102596 A0102597 A0102598 A0102599 A0102600																
A0102601 A0102602 A0102603 A0102604 A0102605		1.2	15.2	<0.002	0.12	0.29	47.5	1	0.6	167.5	0.14	<0.05	0.75	0.539	0.09	0.2
A0102606 A0102607 A0102608 A0102609 A0102610																
A0102611 A0102612 A0102613 A0102614 A0102615																
A0102616 A0102617 A0102618 A0102619 A0102620		1.0	4.6	0.002	0.07	0.19	41.8	<1	0.5	134.5	0.13	<0.05	0.23	0.551	0.04	0.1

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102581 A0102582 A0102583 A0102584 A0102585						
A0102586 A0102587 A0102588 A0102589 A0102590						
A0102591 A0102592 A0102593 A0102594 A0102595						
A0102596 A0102597 A0102598 A0102599 A0102600						
A0102601 A0102602 A0102603 A0102604 A0102605		261	0.7	19.8	109	53.4
A0102606 A0102607 A0102608 A0102609 A0102610						
A0102611 A0102612 A0102613 A0102614 A0102615						
A0102616 A0102617 A0102618 A0102619 A0102620		267	0.2	19.1	98	37.5

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102621		2.24	0.002													
A0102622		2.06	0.001													
A0102623		2.27	0.002													
A0102624		1.04	0.002													
A0102625		0.94	0.001													
A0102626		2.26	0.014													
A0102627		2.46	0.002													
A0102628		2.39	0.002													
A0102629		2.58	0.001													
A0102630		2.17	0.001													
A0102631		2.37	0.001													
A0102632		2.34	0.001													
A0102633		2.32	0.001													
A0102634		2.43	0.001													
A0102635		2.35	0.001													
A0102636		2.53	0.001													
A0102637		2.55	0.003													
A0102638		2.31	0.002													
A0102639		2.39	0.002	0.03	7.86	1.2	110	0.42	0.03	6.36	0.06	7.15	52.1	208	0.35	102.5
A0102640		0.48	0.001													
A0102641		1.51	0.001													
A0102642		1.40	0.001													
A0102643		1.82	0.001													
A0102644		2.38	0.003													
A0102645		1.75	0.002													
A0102646		1.36	0.001													
A0102647		1.53	0.002													
A0102648		2.06	0.001													
A0102649		2.72	0.003													
A0102650		2.31	0.002													
A0102651		2.44	0.002													
A0102652		2.23	0.001													
A0102653		3.01	0.001													
A0102654		1.70	0.001													
A0102655		2.44	0.003													
A0102656		0.07	0.537													
A0102657		2.32	0.001													
A0102658		2.36	0.003													
A0102659		2.32	0.001													
A0102660		1.84	0.002	0.03	7.66	3.5	140	1.06	0.06	6.02	0.05	51.7	46.8	169	0.76	59.5

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102621 A0102622 A0102623 A0102624 A0102625		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102626 A0102627 A0102628 A0102629 A0102630																
A0102631 A0102632 A0102633 A0102634 A0102635																
A0102636 A0102637 A0102638 A0102639 A0102640		9.48	15.80	<0.05	1.0	0.072	0.58	2.4	33.6	5.12	1460	0.18	2.02	2.2	136.0	300
A0102641 A0102642 A0102643 A0102644 A0102645																
A0102646 A0102647 A0102648 A0102649 A0102650																
A0102651 A0102652 A0102653 A0102654 A0102655																
A0102656 A0102657 A0102658 A0102659 A0102660		8.95	15.15	0.07	1.6	0.074	0.40	21.5	29.8	4.34	1480	0.76	2.54	9.4	107.0	640

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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



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 Account: VISAU

Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
A0102621 A0102622 A0102623 A0102624 A0102625		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102626 A0102627 A0102628 A0102629 A0102630																
A0102631 A0102632 A0102633 A0102634 A0102635																
A0102636 A0102637 A0102638 A0102639 A0102640		1.0	12.9	0.002	0.09	0.24	42.2	1	0.4	208	0.13	<0.05	0.17	0.570	0.10	<0.1
A0102641 A0102642 A0102643 A0102644 A0102645																
A0102646 A0102647 A0102648 A0102649 A0102650																
A0102651 A0102652 A0102653 A0102654 A0102655																
A0102656 A0102657 A0102658 A0102659 A0102660		1.8	9.2	0.002	0.26	0.23	38.6	<1	0.6	277	0.30	0.05	1.87	0.573	0.04	0.8

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102621 A0102622 A0102623 A0102624 A0102625						
A0102626 A0102627 A0102628 A0102629 A0102630						
A0102631 A0102632 A0102633 A0102634 A0102635						
A0102636 A0102637 A0102638 A0102639 A0102640		272	0.2	18.6	96	33.9
A0102641 A0102642 A0102643 A0102644 A0102645						
A0102646 A0102647 A0102648 A0102649 A0102650						
A0102651 A0102652 A0102653 A0102654 A0102655						
A0102656 A0102657 A0102658 A0102659 A0102660		184	0.6	27.9	113	60.5

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
A0102661		2.06	<0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102662		1.77	0.002													
A0102663		1.17	0.002													
A0102664		1.06	0.002													
A0102665		0.99	<0.001													
A0102666		1.92	0.001													
A0102667		0.97	0.010													
A0102668		2.13	0.001													
A0102669		1.98	0.002													
A0102670		1.43	0.001													

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102661 A0102662 A0102663 A0102664 A0102665																
A0102666 A0102667 A0102668 A0102669 A0102670																

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0102661 A0102662 A0102663 A0102664 A0102665																
A0102666 A0102667 A0102668 A0102669 A0102670																

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105423

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102661 A0102662 A0102663 A0102664 A0102665						
A0102666 A0102667 A0102668 A0102669 A0102670						

Comments: A0102664 is damaged. Client confirmed to proceed with the remaining weight.

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CERTIFICATE OF ANALYSIS VO19105423

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-ICP21</td> <td>ME-MS61</td> </tr> </table>	Au-ICP21	ME-MS61										
Au-ICP21	ME-MS61												



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CERTIFICATE VO19105434

Project: DOUAY
 P.O. No.: shipment MGM1903
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 16-APR-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105434

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102671		2.19	<0.001													
A0102672		1.13	0.004													
A0102673		<0.02	<0.001													
A0102674		2.22	<0.001													
A0102675		2.29	<0.001													
A0102676		2.05	<0.001													
A0102677		1.27	<0.001													
A0102678		1.43	<0.001													
A0102679		1.62	<0.001													
A0102680		1.14	<0.001	0.22	1.53	5.7	190	0.80	0.03	31.0	0.17	407	22.5	5	0.22	34.6
A0102681		1.36	<0.001													
A0102682		1.87	0.002													
A0102683		2.00	<0.001													
A0102684		2.32	0.001													
A0102685		2.15	0.001													
A0102686		2.19	<0.001													
A0102687		2.06	<0.001													
A0102688		0.44	<0.001													
A0102689		1.69	<0.001													
A0102690		1.23	0.001													
A0102691		1.17	<0.001													
A0102692		1.95	0.002													
A0102693		1.19	<0.001													
A0102694		1.52	<0.001													
A0102695		1.18	<0.001													
A0102696		1.99	<0.001													
A0102697		2.05	<0.001													
A0102698		2.12	<0.001													
A0102699		1.94	<0.001													
A0102700		2.17	<0.001	0.09	6.53	1.9	710	3.67	0.12	8.85	0.09	197.5	44.2	283	3.55	62.6
A0102701		2.01	<0.001													
A0102702		1.78	<0.001													
A0102703		2.11	<0.001													
A0102704		0.07	3.07													
A0102705		1.77	0.001													
A0102706		1.91	<0.001													
A0102707		2.29	0.001													
A0102708		2.00	0.001													
A0102709		1.90	0.001													
A0102710		1.88	<0.001													



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CERTIFICATE OF ANALYSIS VO19105434

Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0102671 A0102672 A0102673 A0102674 A0102675		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102676 A0102677 A0102678 A0102679 A0102680		2.83	7.85	0.37	1.4	0.011	1.33	127.5	2.0	0.23	563	0.52	0.63	1.1	11.5	>10000
A0102681 A0102682 A0102683 A0102684 A0102685																
A0102686 A0102687 A0102688 A0102689 A0102690																
A0102691 A0102692 A0102693 A0102694 A0102695																
A0102696 A0102697 A0102698 A0102699 A0102700		6.92	17.10	0.23	4.1	0.064	3.58	76.6	119.0	6.50	1440	0.60	1.96	14.4	200	2150
A0102701 A0102702 A0102703 A0102704 A0102705																
A0102706 A0102707 A0102708 A0102709 A0102710																



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CERTIFICATE OF ANALYSIS VO19105434

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0102671 A0102672 A0102673 A0102674 A0102675																
A0102676 A0102677 A0102678 A0102679 A0102680		2.8	23.8	0.002	1.52	0.20	1.3	1	0.2	3460	0.06	0.08	1.66	0.023	0.03	0.2
A0102681 A0102682 A0102683 A0102684 A0102685																
A0102686 A0102687 A0102688 A0102689 A0102690																
A0102691 A0102692 A0102693 A0102694 A0102695																
A0102696 A0102697 A0102698 A0102699 A0102700		7.9	135.0	<0.002	0.04	0.23	30.0	1	0.9	872	0.42	<0.05	6.42	0.482	0.38	1.8
A0102701 A0102702 A0102703 A0102704 A0102705																
A0102706 A0102707 A0102708 A0102709 A0102710																



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CERTIFICATE OF ANALYSIS VO19105434

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102671 A0102672 A0102673 A0102674 A0102675						
A0102676 A0102677 A0102678 A0102679 A0102680		45	0.3	42.8	10	66.0
A0102681 A0102682 A0102683 A0102684 A0102685						
A0102686 A0102687 A0102688 A0102689 A0102690						
A0102691 A0102692 A0102693 A0102694 A0102695						
A0102696 A0102697 A0102698 A0102699 A0102700		192	0.6	26.2	107	154.0
A0102701 A0102702 A0102703 A0102704 A0102705						
A0102706 A0102707 A0102708 A0102709 A0102710						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102711		2.05	0.001													
A0102712		1.91	<0.001													
A0102713		1.98	0.004													
A0102714		2.06	0.001													
A0102715		1.89	<0.001													
A0102716		2.01	0.025													
A0102717		1.98	<0.001													
A0102718		2.00	0.001													
A0102719		2.01	0.001													
A0102720		0.97	<0.001	0.07	6.31	3.2	490	2.66	0.10	10.70	0.08	264	33.8	186	3.36	54.6
A0102721		1.13	<0.001													
A0102722		2.02	0.001													
A0102723		1.96	<0.001													
A0102724		2.20	<0.001													
A0102725		1.75	<0.001													
A0102726		2.00	<0.001													
A0102727		1.86	<0.001													
A0102728		1.93	<0.001													
A0102729		1.67	0.001													
A0102730		1.79	0.001													
A0102731		1.99	0.001													
A0102732		2.07	0.001													
A0102733		2.08	0.001													
A0102734		1.83	0.003													
A0102735		2.36	<0.001													
A0102736		0.45	0.002													
A0102737		2.52	<0.001													
A0102738		2.06	0.010													
A0102739		2.47	<0.001													
A0102740		2.15	0.001	0.07	5.71	2.5	350	3.03	0.13	8.57	0.09	90.6	45.7	247	3.49	45.9
A0102741		2.42	0.001													
A0102742		2.72	0.001													
A0102743		2.75	<0.001													
A0102744		2.31	0.001													
A0102745		1.98	0.001													
A0102746		1.70	0.002													
A0102747		2.04	0.002													
A0102748		2.00	<0.001													
A0102749		2.41	0.001													
A0102750		2.15	0.003													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102711 A0102712 A0102713 A0102714 A0102715		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102716 A0102717 A0102718 A0102719 A0102720		5.75	14.35	0.28	2.9	0.056	2.13	102.5	90.2	5.09	1270	0.36	2.70	10.8	146.0	4140
A0102721 A0102722 A0102723 A0102724 A0102725																
A0102726 A0102727 A0102728 A0102729 A0102730																
A0102731 A0102732 A0102733 A0102734 A0102735																
A0102736 A0102737 A0102738 A0102739 A0102740		6.97	14.05	0.08	1.5	0.058	2.01	37.9	58.1	4.85	1180	0.28	3.57	13.7	234	480
A0102741 A0102742 A0102743 A0102744 A0102745																
A0102746 A0102747 A0102748 A0102749 A0102750																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0102711 A0102712 A0102713 A0102714 A0102715		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102716 A0102717 A0102718 A0102719 A0102720		5.0	71.1	<0.002	0.08	0.23	21.3	<1	0.7	2740	0.35	<0.05	7.44	0.355	0.20	1.4
A0102721 A0102722 A0102723 A0102724 A0102725																
A0102726 A0102727 A0102728 A0102729 A0102730																
A0102731 A0102732 A0102733 A0102734 A0102735																
A0102736 A0102737 A0102738 A0102739 A0102740		6.6	68.7	<0.002	0.68	0.26	23.8	<1	0.4	1100	0.22	0.05	4.26	0.351	0.32	1.0
A0102741 A0102742 A0102743 A0102744 A0102745																
A0102746 A0102747 A0102748 A0102749 A0102750																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102711 A0102712 A0102713 A0102714 A0102715						
A0102716 A0102717 A0102718 A0102719 A0102720		153	0.6	24.4	79	135.0
A0102721 A0102722 A0102723 A0102724 A0102725						
A0102726 A0102727 A0102728 A0102729 A0102730						
A0102731 A0102732 A0102733 A0102734 A0102735						
A0102736 A0102737 A0102738 A0102739 A0102740		135	0.6	15.2	114	56.5
A0102741 A0102742 A0102743 A0102744 A0102745						
A0102746 A0102747 A0102748 A0102749 A0102750						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102751		2.02	0.001													
A0102752		0.07	0.154													
A0102753		2.03	0.001													
A0102754		2.35	0.001													
A0102755		2.27	0.001													
A0102756		2.45	0.001													
A0102757		2.38	<0.001													
A0102758		2.44	0.002													
A0102759		2.53	0.001													
A0102760		2.34	<0.001	0.08	6.34	1.4	360	2.33	0.12	11.95	0.09	302	27.3	70	1.81	51.0
A0102761		2.39	0.001													
A0102762		2.74	<0.001													
A0102763		2.08	<0.001													
A0102764		2.19	<0.001													
A0102765		1.95	0.001													
A0102766		2.33	0.001													
A0102767		1.99	0.001													
A0102768		1.90	0.002													
A0102769		<0.02	<0.001													
A0102770		2.05	0.001													
A0102771		1.84	0.001													
A0102772		1.58	0.001													
A0102773		2.35	0.001													
A0102774		2.46	0.031													
A0102775		2.56	0.308													
A0102776		2.53	0.002													
A0102777		2.49	0.002													
A0102778		2.67	0.002													
A0102779		2.50	0.003													
A0102780		2.45	0.003	0.09	7.72	2.1	630	3.90	0.16	7.34	0.09	165.5	26.2	226	2.33	65.0
A0102781		2.37	0.002													
A0102782		2.08	0.005													
A0102783		2.04	0.002													
A0102784		0.52	0.002													
A0102785		2.02	0.003													
A0102786		2.12	0.002													
A0102787		2.47	0.003													
A0102788		2.75	0.004													
A0102789		2.65	0.005													
A0102790		2.17	0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0102751 A0102752 A0102753 A0102754 A0102755																
A0102756 A0102757 A0102758 A0102759 A0102760		5.70	13.75	0.29	2.5	0.050	1.35	118.0	40.5	2.82	1400	2.42	3.47	24.0	58.7	5160
A0102761 A0102762 A0102763 A0102764 A0102765																
A0102766 A0102767 A0102768 A0102769 A0102770																
A0102771 A0102772 A0102773 A0102774 A0102775																
A0102776 A0102777 A0102778 A0102779 A0102780		4.97	18.75	0.18	3.2	0.046	2.28	65.0	65.7	3.76	1080	0.24	4.04	26.5	134.5	1570
A0102781 A0102782 A0102783 A0102784 A0102785																
A0102786 A0102787 A0102788 A0102789 A0102790																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0102751 A0102752 A0102753 A0102754 A0102755		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102756 A0102757 A0102758 A0102759 A0102760		8.6	45.6	0.005	0.12	0.13	11.7	1	0.8	1120	0.85	0.06	7.30	0.417	0.18	1.2
A0102761 A0102762 A0102763 A0102764 A0102765																
A0102766 A0102767 A0102768 A0102769 A0102770																
A0102771 A0102772 A0102773 A0102774 A0102775																
A0102776 A0102777 A0102778 A0102779 A0102780		10.9	74.1	<0.002	0.03	0.58	14.4	1	0.8	1360	0.66	<0.05	14.70	0.359	0.27	2.4
A0102781 A0102782 A0102783 A0102784 A0102785																
A0102786 A0102787 A0102788 A0102789 A0102790																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102751 A0102752 A0102753 A0102754 A0102755						
A0102756 A0102757 A0102758 A0102759 A0102760		157	0.7	26.8	97	98.5
A0102761 A0102762 A0102763 A0102764 A0102765						
A0102766 A0102767 A0102768 A0102769 A0102770						
A0102771 A0102772 A0102773 A0102774 A0102775						
A0102776 A0102777 A0102778 A0102779 A0102780		126	0.8	23.4	89	155.5
A0102781 A0102782 A0102783 A0102784 A0102785						
A0102786 A0102787 A0102788 A0102789 A0102790						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102791		2.25	<0.001													
A0102792		2.17	<0.001													
A0102793		2.09	<0.001													
A0102794		2.08	0.001													
A0102795		2.20	<0.001													
A0102796		2.16	<0.001													
A0102797		2.68	0.002													
A0102798		2.55	0.005													
A0102799		2.59	0.002													
A0102800		0.07	0.500													
A0102801		1.87	0.003	0.12	8.33	0.9	960	2.80	0.10	8.38	0.10	239	17.2	22	0.89	78.4
A0102802		1.96	0.002													
A0102803		1.93	0.018													
A0102804		1.83	0.004													
A0102805		2.10	0.005													
A0102806		2.20	0.004													
A0102807		2.06	0.001													
A0102808		0.07	2.99													
A0102809		1.97	0.002													
A0102810		2.18	0.005													
A0102811		2.25	<0.001													
A0102812		2.06	0.005													
A0102813		1.99	0.008													
A0102814		1.99	0.002													
A0102815		2.49	0.001													
A0102816		2.49	0.002													
A0102817		2.53	0.001													
A0102818		2.64	<0.001													
A0102819		2.45	0.004													
A0102820		2.44	0.003	0.09	7.33	1.6	290	0.74	0.04	6.19	0.05	16.00	49.8	75	1.29	129.0
A0102821		2.61	0.002													
A0102822		2.60	0.002													
A0102823		2.42	0.002													
A0102824		1.39	0.002													
A0102825		1.19	0.001													
A0102826		2.21	<0.001													
A0102827		2.07	0.001													
A0102828		1.75	0.001													
A0102829		2.77	0.002													
A0102830		2.37	0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102791 A0102792 A0102793 A0102794 A0102795		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102796 A0102797 A0102798 A0102799 A0102800																
A0102801 A0102802 A0102803 A0102804 A0102805		5.30	15.20	0.25	2.9	0.040	1.25	89.2	73.0	1.49	1280	0.83	4.44	45.3	33.4	2580
A0102806 A0102807 A0102808 A0102809 A0102810																
A0102811 A0102812 A0102813 A0102814 A0102815																
A0102816 A0102817 A0102818 A0102819 A0102820		8.21	15.55	0.05	1.6	0.063	1.35	6.2	48.5	4.37	1520	0.29	2.51	2.5	120.5	320
A0102821 A0102822 A0102823 A0102824 A0102825																
A0102826 A0102827 A0102828 A0102829 A0102830																



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A0102791 A0102792 A0102793 A0102794 A0102795																
A0102796 A0102797 A0102798 A0102799 A0102800																
A0102801 A0102802 A0102803 A0102804 A0102805		6.1	33.6	0.002	0.52	0.21	6.6	1	0.8	2160	1.27	<0.05	7.18	0.608	0.12	1.6
A0102806 A0102807 A0102808 A0102809 A0102810																
A0102811 A0102812 A0102813 A0102814 A0102815																
A0102816 A0102817 A0102818 A0102819 A0102820		2.6	48.5	<0.002	0.09	0.53	38.1	1	0.7	482	0.19	<0.05	1.47	0.486	0.12	0.5
A0102821 A0102822 A0102823 A0102824 A0102825																
A0102826 A0102827 A0102828 A0102829 A0102830																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102791 A0102792 A0102793 A0102794 A0102795						
A0102796 A0102797 A0102798 A0102799 A0102800						
A0102801 A0102802 A0102803 A0102804 A0102805		130	0.7	27.6	113	123.5
A0102806 A0102807 A0102808 A0102809 A0102810						
A0102811 A0102812 A0102813 A0102814 A0102815						
A0102816 A0102817 A0102818 A0102819 A0102820		240	0.5	15.6	96	53.7
A0102821 A0102822 A0102823 A0102824 A0102825						
A0102826 A0102827 A0102828 A0102829 A0102830						



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A0102831		2.71	0.007													
A0102832		2.41	0.002													
A0102833		2.28	0.001													
A0102834		2.13	0.002													
A0102835		2.21	0.002													
A0102836		2.11	0.005													
A0102837		2.41	0.002													
A0102838		2.14	0.004													
A0102839		2.00	0.012	0.08	6.62	3.2	100	1.87	0.10	8.37	0.05	216	23.2	67	1.17	63.1
A0102840		0.57	<0.001													

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



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 Account: VISAU

Project: DOUAY

CERTIFICATE OF ANALYSIS VO19105434

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
A0102831 A0102832 A0102833 A0102834 A0102835																				
A0102836 A0102837 A0102838 A0102839 A0102840					5.78	15.25	0.20	2.7	0.033	0.10	81.9	60.1	3.53	956	0.77	3.58	29.9	44.3	4180	

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



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0102831 A0102832 A0102833 A0102834 A0102835																
A0102836 A0102837 A0102838 A0102839 A0102840		6.1	2.5	0.003	0.24	0.70	8.7	<1	0.7	752	1.04	<0.05	6.15	0.333	0.02	2.8



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102831 A0102832 A0102833 A0102834 A0102835						
A0102836 A0102837 A0102838 A0102839 A0102840		124	5.4	22.6	143	122.0



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CERTIFICATE OF ANALYSIS VO19105434

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au-ICP21</td> <td>ME-MS61</td> </tr> </table>	Au-ICP21	ME-MS61										
Au-ICP21	ME-MS61												



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CERTIFICATE VO19111098

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 189 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102841		1.78	0.003													
A0102842		1.93	0.002													
A0102843		1.13	0.003													
A0102844		1.22	0.004													
A0102845		1.26	0.001													
A0102846		2.01	<0.001													
A0102847		1.32	0.001													
A0102848		1.25	0.001													
A0102849		1.83	0.002													
A0102850		1.98	0.002													
A0102851		2.13	<0.001													
A0102852		2.22	0.002													
A0102853		2.24	0.001													
A0102854		2.04	0.001													
A0102855		2.16	0.001													
A0102856		0.07	0.146													
A0102857		2.03	0.001													
A0102858		1.89	0.008													
A0102859		2.05	0.003													
A0102860		1.11	0.007	0.07	5.67	1.8	120	1.61	0.16	6.50	0.50	74.7	42.5	133	0.21	107.0
A0102861		1.43	0.013													
A0102862		1.47	0.006													
A0102863		0.94	0.002													
A0102864		1.01	0.001													
A0102865		2.08	0.001													
A0102866		1.84	0.003													
A0102867		2.30	0.001													
A0102868		2.10	0.001													
A0102869		2.36	0.004													
A0102870		2.18	0.003													
A0102871		1.78	0.002													
A0102872		1.88	0.002													
A0102873		<0.02	0.002													
A0102874		1.99	0.001													
A0102875		1.89	0.001													
A0102876		2.09	0.002													
A0102877		2.22	0.002													
A0102878		2.26	<0.001													
A0102879		2.28	<0.001													
A0102880		2.06	<0.001	0.02	7.26	2.7	110	0.72	0.05	8.02	0.06	27.1	42.8	178	0.19	63.9



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102841 A0102842 A0102843 A0102844 A0102845		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102846 A0102847 A0102848 A0102849 A0102850																
A0102851 A0102852 A0102853 A0102854 A0102855																
A0102856 A0102857 A0102858 A0102859 A0102860		5.57	12.10	0.13	1.6	0.110	0.15	35.7	15.5	1.99	1120	1.27	2.62	7.1	88.8	330
A0102861 A0102862 A0102863 A0102864 A0102865																
A0102866 A0102867 A0102868 A0102869 A0102870																
A0102871 A0102872 A0102873 A0102874 A0102875																
A0102876 A0102877 A0102878 A0102879 A0102880		7.67	13.45	0.07	1.4	0.053	0.30	11.3	17.6	3.51	1460	0.48	1.90	3.7	118.5	290

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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0102841 A0102842 A0102843 A0102844 A0102845																
A0102846 A0102847 A0102848 A0102849 A0102850																
A0102851 A0102852 A0102853 A0102854 A0102855																
A0102856 A0102857 A0102858 A0102859 A0102860		6.0	4.0	0.004	0.58	0.86	30.3	2	1.2	185.5	0.15	0.17	4.10	0.363	0.05	0.6
A0102861 A0102862 A0102863 A0102864 A0102865																
A0102866 A0102867 A0102868 A0102869 A0102870																
A0102871 A0102872 A0102873 A0102874 A0102875																
A0102876 A0102877 A0102878 A0102879 A0102880		2.4	8.3	0.002	0.12	0.28	38.1	1	0.4	210	0.11	<0.05	1.32	0.489	0.06	0.2



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0102841 A0102842 A0102843 A0102844 A0102845						
A0102846 A0102847 A0102848 A0102849 A0102850						
A0102851 A0102852 A0102853 A0102854 A0102855						
A0102856 A0102857 A0102858 A0102859 A0102860		166	0.6	20.5	171	54.9
A0102861 A0102862 A0102863 A0102864 A0102865						
A0102866 A0102867 A0102868 A0102869 A0102870						
A0102871 A0102872 A0102873 A0102874 A0102875						
A0102876 A0102877 A0102878 A0102879 A0102880		243	0.4	19.6	84	39.3



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102881		2.40	0.001													
A0102882		1.26	0.005													
A0102883		1.54	0.002													
A0102884		1.51	0.001													
A0102885		2.21	0.002													
A0102886		1.91	<0.001													
A0102887		1.89	0.002													
A0102888		0.68	<0.001													
A0102889		1.71	0.046													
A0102890		2.05	0.008													
A0102891		1.66	0.004													
A0102892		2.02	0.002													
A0102893		1.79	0.002													
A0102894		1.52	0.007													
A0102895		2.18	0.019													
A0102896		2.32	0.001													
A0102897		2.09	0.003													
A0102898		2.09	0.001													
A0102899		2.46	0.001													
A0102900		1.97	0.002	0.09	7.50	2.1	200	0.57	0.09	3.57	0.55	25.8	30.4	106	0.47	68.1
A0102901		2.03	0.003													
A0102902		2.03	0.003													
A0102903		2.04	0.017													
A0102904		0.07	0.501													
A0102905		2.05	0.015													
A0102906		1.70	0.007													
A0102907		2.12	0.004													
A0102908		2.10	0.015													
A0102909		2.43	0.002													
A0102910		2.36	0.002													
A0102911		1.90	0.002													
A0102912		2.12	0.005													
A0102913		2.01	0.001													
A0102914		2.29	0.003													
A0102915		1.96	0.006													
A0102916		1.92	0.002													
A0102917		2.00	0.002													
A0102918		1.95	0.006													
A0102919		2.16	0.003													
A0102920		1.02	0.004	0.03	6.98	1.7	170	1.82	0.06	5.46	0.12	42.9	42.5	94	5.24	63.1

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102881 A0102882 A0102883 A0102884 A0102885		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102886 A0102887 A0102888 A0102889 A0102890																
A0102891 A0102892 A0102893 A0102894 A0102895																
A0102896 A0102897 A0102898 A0102899 A0102900		5.80	15.70	0.09	2.4	0.081	0.44	10.3	20.4	2.58	848	0.91	3.65	4.4	84.3	530
A0102901 A0102902 A0102903 A0102904 A0102905																
A0102906 A0102907 A0102908 A0102909 A0102910																
A0102911 A0102912 A0102913 A0102914 A0102915																
A0102916 A0102917 A0102918 A0102919 A0102920		9.07	18.80	0.12	2.4	0.074	1.02	19.8	23.6	3.39	1330	0.66	3.18	8.9	69.2	580



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0102881 A0102882 A0102883 A0102884 A0102885		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102886 A0102887 A0102888 A0102889 A0102890																
A0102891 A0102892 A0102893 A0102894 A0102895																
A0102896 A0102897 A0102898 A0102899 A0102900		3.4	3.6	<0.002	0.30	0.11	23.4	1	1.0	265	0.24	0.09	1.08	0.428	0.08	0.3
A0102901 A0102902 A0102903 A0102904 A0102905																
A0102906 A0102907 A0102908 A0102909 A0102910																
A0102911 A0102912 A0102913 A0102914 A0102915																
A0102916 A0102917 A0102918 A0102919 A0102920		4.7	51.1	0.003	0.18	0.21	43.3	1	0.7	326	0.28	<0.05	2.19	0.801	0.33	0.7



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
A0102881 A0102882 A0102883 A0102884 A0102885		1	0.1	0.1	2	0.5
A0102886 A0102887 A0102888 A0102889 A0102890						
A0102891 A0102892 A0102893 A0102894 A0102895						
A0102896 A0102897 A0102898 A0102899 A0102900		147	0.5	15.2	283	91.5
A0102901 A0102902 A0102903 A0102904 A0102905						
A0102906 A0102907 A0102908 A0102909 A0102910						
A0102911 A0102912 A0102913 A0102914 A0102915						
A0102916 A0102917 A0102918 A0102919 A0102920		327	0.7	27.0	122	81.9



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102921		0.94	0.010													
A0102922		2.04	0.002													
A0102923		2.03	0.037													
A0102924		1.89	0.060													
A0102925		2.01	0.003													
A0102926		2.07	0.002													
A0102927		2.11	0.002													
A0102928		2.13	0.001													
A0102929		1.99	0.002													
A0102930		1.94	0.001													
A0102931		2.03	0.002													
A0102932		1.84	0.005													
A0102933		2.03	0.005													
A0102934		1.09	<0.001													
A0102935		1.24	0.002													
A0102936		0.69	0.013													
A0102937		1.72	1.560													
A0102938		2.11	0.640													
A0102939		2.07	0.014													
A0102940		2.06	0.006	0.16	6.95	5.3	620	2.22	0.25	2.73	0.72	167.5	14.4	32	1.69	47.9
A0102941		1.44	0.002													
A0102942		1.83	0.005													
A0102943		1.61	0.010													
A0102944		1.24	0.004													
A0102945		1.35	0.020													
A0102946		1.37	0.057													
A0102947		1.82	0.011													
A0102948		1.33	0.006													
A0102949		1.58	0.006													
A0102950		1.26	0.018													
A0102951		1.30	0.103													
A0102952		0.07	3.07													
A0102953		0.91	0.254													
A0102954		1.72	0.027													
A0102955		1.61	0.023													
A0102956		1.60	0.019													
A0102957		1.50	0.011													
A0102958		2.13	0.005													
A0102959		0.82	0.011													
A0102960		1.98	0.001	0.07	7.18	1.3	800	2.36	0.19	6.28	0.14	179.0	12.1	18	1.53	35.4



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0102921 A0102922 A0102923 A0102924 A0102925		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102926 A0102927 A0102928 A0102929 A0102930																
A0102931 A0102932 A0102933 A0102934 A0102935																
A0102936 A0102937 A0102938 A0102939 A0102940		3.42	17.95	0.21	3.8	0.037	1.04	81.8	16.5	0.93	598	1.91	4.40	15.6	25.4	1040
A0102941 A0102942 A0102943 A0102944 A0102945																
A0102946 A0102947 A0102948 A0102949 A0102950																
A0102951 A0102952 A0102953 A0102954 A0102955																
A0102956 A0102957 A0102958 A0102959 A0102960		2.99	22.3	0.26	3.0	0.025	1.87	69.6	42.5	0.92	913	3.02	5.04	22.8	20.4	1820



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0102921 A0102922 A0102923 A0102924 A0102925		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102926 A0102927 A0102928 A0102929 A0102930																
A0102931 A0102932 A0102933 A0102934 A0102935																
A0102936 A0102937 A0102938 A0102939 A0102940		14.3	23.7	<0.002	1.26	1.23	9.9	1	2.2	537	0.40	0.13	5.81	0.323	0.25	1.5
A0102941 A0102942 A0102943 A0102944 A0102945																
A0102946 A0102947 A0102948 A0102949 A0102950																
A0102951 A0102952 A0102953 A0102954 A0102955																
A0102956 A0102957 A0102958 A0102959 A0102960		14.4	46.9	<0.002	0.35	0.14	4.5	<1	0.6	947	0.53	0.05	12.85	0.213	0.25	3.7

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A0102921 A0102922 A0102923 A0102924 A0102925						
A0102926 A0102927 A0102928 A0102929 A0102930						
A0102931 A0102932 A0102933 A0102934 A0102935						
A0102936 A0102937 A0102938 A0102939 A0102940		85	3.8	17.5	265	157.0
A0102941 A0102942 A0102943 A0102944 A0102945						
A0102946 A0102947 A0102948 A0102949 A0102950						
A0102951 A0102952 A0102953 A0102954 A0102955						
A0102956 A0102957 A0102958 A0102959 A0102960		68	1.0	21.1	97	152.0



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0102961		2.07	0.001													
A0102962		1.98	<0.001													
A0102963		2.01	<0.001													
A0102964		1.73	0.002													
A0102965		1.61	0.001													
A0102966		1.77	0.004													
A0102967		1.71	0.009													
A0102968		1.09	0.013													
A0102969		<0.02	0.013													
A0102970		1.55	0.004													
A0102971		1.14	0.005													
A0102972		1.76	0.062													
A0102973		1.94	0.007													
A0102974		2.12	0.033													
A0102975		2.09	0.006													
A0102976		2.13	0.007													
A0102977		1.92	0.012													
A0102978		1.91	0.130													
A0102979		1.96	0.148													
A0102980		1.82	0.006	0.13	7.01	1.0	2000	1.68	0.09	5.67	0.13	223	13.9	23	0.96	26.1
A0102981		1.83	0.003													
A0102982		1.37	0.018													
A0102983		1.41	0.039													
A0102984		0.66	0.002													
A0102985		0.97	0.036													
A0102986		1.89	0.448													
A0102987		1.85	0.027													
A0102988		1.71	0.014													
A0102989		1.91	0.040													
A0102990		1.80	0.067													
A0102991		2.05	0.046													
A0102992		1.90	0.004													
A0102993		1.93	0.010													
A0102994		2.13	0.018													
A0102995		2.06	0.028													
A0102996		2.06	0.019													
A0102997		1.79	0.003													
A0102998		1.68	0.039													
A0102999		1.97	0.023	0.11	7.08	1.2	2230	2.41	0.13	8.30	0.11	310	16.0	23	1.64	33.2
A0103000		0.07	0.148													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0102961 A0102962 A0102963 A0102964 A0102965		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102966 A0102967 A0102968 A0102969 A0102970																
A0102971 A0102972 A0102973 A0102974 A0102975																
A0102976 A0102977 A0102978 A0102979 A0102980		3.93	17.45	0.34	2.2	0.038	2.42	75.1	13.8	1.33	1120	1.38	4.67	22.4	29.3	1510
A0102981 A0102982 A0102983 A0102984 A0102985																
A0102986 A0102987 A0102988 A0102989 A0102990																
A0102991 A0102992 A0102993 A0102994 A0102995																
A0102996 A0102997 A0102998 A0102999 A0103000		4.33	14.40	0.40	1.8	0.036	2.36	114.5	29.3	1.58	1300	0.13	4.30	29.2	29.1	2960



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0102961 A0102962 A0102963 A0102964 A0102965		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0102966 A0102967 A0102968 A0102969 A0102970																
A0102971 A0102972 A0102973 A0102974 A0102975																
A0102976 A0102977 A0102978 A0102979 A0102980		7.7	41.9	0.002	0.53	0.13	7.1	1	0.7	3450	0.69	0.05	6.26	0.278	0.16	1.3
A0102981 A0102982 A0102983 A0102984 A0102985																
A0102986 A0102987 A0102988 A0102989 A0102990																
A0102991 A0102992 A0102993 A0102994 A0102995																
A0102996 A0102997 A0102998 A0102999 A0103000		7.8	62.5	<0.002	0.06	0.09	7.0	<1	0.8	1825	1.12	<0.05	6.40	0.391	0.20	0.8

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A0102961 A0102962 A0102963 A0102964 A0102965						
A0102966 A0102967 A0102968 A0102969 A0102970						
A0102971 A0102972 A0102973 A0102974 A0102975						
A0102976 A0102977 A0102978 A0102979 A0102980		106	2.5	25.6	78	98.6
A0102981 A0102982 A0102983 A0102984 A0102985						
A0102986 A0102987 A0102988 A0102989 A0102990						
A0102991 A0102992 A0102993 A0102994 A0102995						
A0102996 A0102997 A0102998 A0102999 A0103000		113	1.3	35.9	83	76.1



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
A0103001		1.75	0.008													
A0103002		1.96	0.027													
A0103003		2.10	0.075													
A0103004		1.95	0.017													
A0103005		2.00	0.006													
A0103006		2.40	0.019													
A0103007		1.87	0.024													
A0103008		0.07	0.144													
A0103009		1.66	0.002													
A0103010		0.83	0.047													
A0103011		1.25	0.009													
A0103012		1.34	0.001													
A0103013		2.21	<0.001													
A0103014		2.19	0.001													
A0103015		1.04	<0.001													
A0103016		1.55	0.002													
A0103017		1.66	0.014													
A0103018		1.19	0.009													
A0103019		1.82	0.015													
A0103020		1.88	0.005	0.42	6.45	3.8	440	4.37	0.22	8.64	0.15	127.5	37.0	136	2.60	202
A0103021		1.96	0.003													
A0103022		1.09	0.030													
A0103023		0.93	0.028													
A0103024		0.76	0.005													
A0103025		0.84	0.004													
A0103026		1.78	0.002													
A0103027		1.80	0.002													
A0103028		1.97	0.002													
A0103029		1.99	0.013													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0103001 A0103002 A0103003 A0103004 A0103005		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103006 A0103007 A0103008 A0103009 A0103010																
A0103011 A0103012 A0103013 A0103014 A0103015																
A0103016 A0103017 A0103018 A0103019 A0103020		5.54	17.30	0.24	3.1	0.044	3.30	46.5	131.5	5.39	877	0.10	2.42	16.1	97.3	2110
A0103021 A0103022 A0103023 A0103024 A0103025																
A0103026 A0103027 A0103028 A0103029																



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					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
A0103001 A0103002 A0103003 A0103004 A0103005																				
A0103006 A0103007 A0103008 A0103009 A0103010																				
A0103011 A0103012 A0103013 A0103014 A0103015																				
A0103016 A0103017 A0103018 A0103019 A0103020					4.1	124.0	<0.002	0.02	0.25	19.7	<1	0.8	554	0.38	<0.05	5.72	0.432	0.41	1.3	
A0103021 A0103022 A0103023 A0103024 A0103025																				
A0103026 A0103027 A0103028 A0103029																				

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A0103001 A0103002 A0103003 A0103004 A0103005						
A0103006 A0103007 A0103008 A0103009 A0103010						
A0103011 A0103012 A0103013 A0103014 A0103015						
A0103016 A0103017 A0103018 A0103019 A0103020		120	0.8	18.9	80	120.5
A0103021 A0103022 A0103023 A0103024 A0103025						
A0103026 A0103027 A0103028 A0103029						



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CERTIFICATE VO19111104

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 190 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103030		1.78	0.003													
A0103031		2.05	0.004													
A0103032		2.36	0.006													
A0103033		2.12	0.009													
A0103034		2.18	0.003													
A0103035		2.29	0.004													
A0103036		1.93	0.007													
A0103037		1.96	0.005													
A0103038		1.89	0.006													
A0103039		1.81	0.006	0.21	5.64	1.7	970	2.79	0.19	10.70	0.13	297	21.5	40	1.87	45.4
A0103040		0.63	<0.001													
A0103041		1.96	0.004													
A0103042		1.76	0.005													
A0103043		1.14	0.003													
A0103044		1.26	0.004													
A0103045		1.31	0.003													
A0103046		1.73	0.023													
A0103047		1.83	0.004													
A0103048		1.97	0.014													
A0103049		1.87	0.004													
A0103050		2.12	0.013													
A0103051		2.26	0.078													
A0103052		1.83	0.088													
A0103053		1.85	0.013													
A0103054		1.85	0.013													
A0103055		1.84	0.034													
A0103056		0.07	0.458													
A0103057		1.80	0.041													
A0103058		2.05	0.010													
A0103059		1.72	0.003													
A0103060		1.79	0.015	0.09	6.71	1.8	830	3.69	0.05	11.65	0.12	286	15.1	31	1.70	32.0
A0103061		1.86	0.103													
A0103062		1.82	0.001													
A0103063		2.16	0.002													
A0103064		2.09	<0.001													
A0103065		1.85	0.035													
A0103066		2.01	0.035													
A0103067		2.06	0.079													
A0103068		1.91	0.166													
A0103069		1.97	0.060													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0103030 A0103031 A0103032 A0103033 A0103034		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103035 A0103036 A0103037 A0103038 A0103039		4.92	10.80	0.26	1.7	0.043	1.83	113.0	34.7	2.53	1440	0.37	4.53	25.2	40.4	4410
A0103040 A0103041 A0103042 A0103043 A0103044																
A0103045 A0103046 A0103047 A0103048 A0103049																
A0103050 A0103051 A0103052 A0103053 A0103054																
A0103055 A0103056 A0103057 A0103058 A0103059																
A0103060 A0103061 A0103062 A0103063 A0103064		4.25	15.85	0.27	2.1	0.030	2.27	108.0	70.9	1.55	1300	0.11	3.95	32.4	28.6	4690
A0103065 A0103066 A0103067 A0103068 A0103069																



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
A0103030 A0103031 A0103032 A0103033 A0103034		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0103035 A0103036 A0103037 A0103038 A0103039		8.7	45.0	<0.002	0.09	0.18	9.0	<1	0.6	1805	0.78	0.05	5.58	0.314	0.16	1.4
A0103040 A0103041 A0103042 A0103043 A0103044																
A0103045 A0103046 A0103047 A0103048 A0103049																
A0103050 A0103051 A0103052 A0103053 A0103054																
A0103055 A0103056 A0103057 A0103058 A0103059																
A0103060 A0103061 A0103062 A0103063 A0103064		7.2	69.5	<0.002	0.03	0.17	5.6	<1	0.5	1350	1.16	<0.05	5.92	0.299	0.19	1.6
A0103065 A0103066 A0103067 A0103068 A0103069																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103030 A0103031 A0103032 A0103033 A0103034						
A0103035 A0103036 A0103037 A0103038 A0103039		128	0.5	25.4	96	65.2
A0103040 A0103041 A0103042 A0103043 A0103044						
A0103045 A0103046 A0103047 A0103048 A0103049						
A0103050 A0103051 A0103052 A0103053 A0103054						
A0103055 A0103056 A0103057 A0103058 A0103059						
A0103060 A0103061 A0103062 A0103063 A0103064		129	1.7	30.3	95	100.5
A0103065 A0103066 A0103067 A0103068 A0103069						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103070		2.01	0.002													
A0103071		1.94	0.011													
A0103072		1.98	0.008													
A0103073		<0.02	0.006													
A0103074		1.95	0.008													
A0103075		1.85	0.006													
A0103076		1.91	0.003													
A0103077		1.02	0.006													
A0103078		1.21	0.003													
A0103079		1.40	0.014													
A0103080		1.69	0.011	0.02	7.20	0.8	1090	1.75	0.04	3.11	0.04	64.5	6.3	17	0.43	20.5
A0103081		1.71	0.012													
A0103082		1.71	0.111													
A0103083		1.82	0.058													
A0103084		0.64	0.078													
A0103085		1.07	0.017													
A0103086		1.44	0.015													
A0103087		1.96	0.016													
A0103088		0.67	<0.001													
A0103089		1.01	0.034													
A0103090		1.16	0.008													
A0103091		0.76	0.010													
A0103092		1.31	0.013													
A0103093		1.90	0.034													
A0103094		2.10	0.006													
A0103095		1.69	0.009													
A0103096		1.42	0.025													
A0103097		1.42	0.036													
A0103098		1.79	0.013													
A0103099		1.64	0.020													
A0103100		1.93	0.027	0.06	7.36	1.2	1660	1.37	0.07	6.47	0.05	191.0	14.1	40	0.32	52.6
A0103101		1.77	0.011													
A0103102		1.86	0.008													
A0103103		1.78	0.008													
A0103104		0.07	3.00													
A0103105		1.51	0.008													
A0103106		1.58	0.007													
A0103107		1.49	0.092													
A0103108		1.45	0.028													
A0103109		1.62	0.048													



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A0103070 A0103071 A0103072 A0103073 A0103074		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103075 A0103076 A0103077 A0103078 A0103079																
A0103080 A0103081 A0103082 A0103083 A0103084		2.30	21.8	0.12	2.8	0.022	3.87	24.1	2.3	0.58	554	0.18	4.86	16.5	11.6	770
A0103085 A0103086 A0103087 A0103088 A0103089																
A0103090 A0103091 A0103092 A0103093 A0103094																
A0103095 A0103096 A0103097 A0103098 A0103099																
A0103100 A0103101 A0103102 A0103103 A0103104		3.48	18.65	0.23	3.5	0.033	1.99	77.3	2.1	1.64	804	0.17	5.02	19.7	34.3	2550
A0103105 A0103106 A0103107 A0103108 A0103109																



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A0103070 A0103071 A0103072 A0103073 A0103074		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0103075 A0103076 A0103077 A0103078 A0103079																
A0103080 A0103081 A0103082 A0103083 A0103084		6.4	53.4	<0.002	0.12	0.86	2.7	<1	0.5	1275	0.45	<0.05	3.33	0.182	0.24	1.0
A0103085 A0103086 A0103087 A0103088 A0103089																
A0103090 A0103091 A0103092 A0103093 A0103094																
A0103095 A0103096 A0103097 A0103098 A0103099																
A0103100 A0103101 A0103102 A0103103 A0103104		5.6	36.0	<0.002	0.14	0.92	6.7	<1	0.7	675	0.59	0.06	8.45	0.264	0.13	1.6
A0103105 A0103106 A0103107 A0103108 A0103109																



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A0103070 A0103071 A0103072 A0103073 A0103074						
A0103075 A0103076 A0103077 A0103078 A0103079						
A0103080 A0103081 A0103082 A0103083 A0103084		57	6.3	7.8	52	121.0
A0103085 A0103086 A0103087 A0103088 A0103089						
A0103090 A0103091 A0103092 A0103093 A0103094						
A0103095 A0103096 A0103097 A0103098 A0103099						
A0103100 A0103101 A0103102 A0103103 A0103104		80	6.3	19.5	53	156.0
A0103105 A0103106 A0103107 A0103108 A0103109						



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			0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
A0103110		2.12	0.016													
A0103111		1.58	0.012													
A0103112		1.05	0.068													
A0103113		0.97	0.059													
A0103114		2.07	0.133													
A0103115		1.58	0.340													
A0103116		1.56	0.015													
A0103117		1.07	0.007													
A0103118		2.35	0.034													
A0103119		1.99	0.018													
A0103120		1.26	0.008	0.11	7.29	1.6	1380	4.33	0.24	4.91	0.09	182.5	20.3	47	4.14	64.3
A0103121		1.14	0.007													
A0103122		1.94	0.002													
A0103123		2.07	0.007													
A0103124		1.95	0.015													
A0103125		1.92	0.015													
A0103126		1.87	0.018													
A0103127		1.77	0.030													
A0103128		2.08	0.037													
A0103129		2.24	0.009													
A0103130		0.82	0.012													
A0103131		1.80	0.022													
A0103132		1.33	0.002													
A0103133		2.20	0.002													
A0103134		1.79	0.001													
A0103135		1.95	0.001													
A0103136		0.67	<0.001													
A0103137		1.89	0.009													
A0103138		1.80	0.001													
A0103139		2.12	0.005													
A0103140		2.36	0.006	0.08	6.60	2.8	1650	3.90	0.19	6.53	0.12	188.0	27.5	48	4.48	80.3
A0103141		2.25	0.003													
A0103142		1.88	0.003													
A0103143		2.16	0.007													
A0103144		2.14	0.004													
A0103145		1.91	0.008													
A0103146		2.32	0.004													
A0103147		1.88	0.006													
A0103148		2.42	0.004													
A0103149		2.52	0.005													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0103110 A0103111 A0103112 A0103113 A0103114		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103115 A0103116 A0103117 A0103118 A0103119																
A0103120 A0103121 A0103122 A0103123 A0103124		4.48	22.7	0.20	4.6	0.077	2.21	74.3	63.5	1.56	995	1.91	4.85	28.3	37.8	1160
A0103125 A0103126 A0103127 A0103128 A0103129																
A0103130 A0103131 A0103132 A0103133 A0103134																
A0103135 A0103136 A0103137 A0103138 A0103139																
A0103140 A0103141 A0103142 A0103143 A0103144		5.49	20.1	0.17	4.1	0.047	1.40	81.4	63.2	2.07	1210	3.20	4.21	13.5	33.0	2000
A0103145 A0103146 A0103147 A0103148 A0103149																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0103110 A0103111 A0103112 A0103113 A0103114																
A0103115 A0103116 A0103117 A0103118 A0103119																
A0103120 A0103121 A0103122 A0103123 A0103124		12.1	83.8	<0.002	0.70	0.99	10.5	1	1.7	717	0.66	0.05	9.12	0.342	0.42	4.5
A0103125 A0103126 A0103127 A0103128 A0103129																
A0103130 A0103131 A0103132 A0103133 A0103134																
A0103135 A0103136 A0103137 A0103138 A0103139																
A0103140 A0103141 A0103142 A0103143 A0103144		8.9	91.0	0.003	0.44	0.48	16.5	<1	0.9	4070	0.28	<0.05	9.45	0.349	0.31	2.6
A0103145 A0103146 A0103147 A0103148 A0103149																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103110 A0103111 A0103112 A0103113 A0103114						
A0103115 A0103116 A0103117 A0103118 A0103119						
A0103120 A0103121 A0103122 A0103123 A0103124		98	2.0	24.7	108	194.5
A0103125 A0103126 A0103127 A0103128 A0103129						
A0103130 A0103131 A0103132 A0103133 A0103134						
A0103135 A0103136 A0103137 A0103138 A0103139						
A0103140 A0103141 A0103142 A0103143 A0103144		159	2.0	23.8	109	176.0
A0103145 A0103146 A0103147 A0103148 A0103149						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103150		2.12	0.003													
A0103151		1.78	0.004													
A0103152		0.07	0.148													
A0103153		2.39	0.006													
A0103154		2.90	0.008													
A0103155		2.78	0.002													
A0103156		2.55	0.141													
A0103157		2.98	0.005													
A0103158		2.59	0.003													
A0103159		2.69	0.007													
A0103160		2.96	0.006	0.08	7.43	2.9	320	6.10	0.23	4.72	0.06	80.0	25.2	75	2.88	72.6
A0103161		2.23	0.026													
A0103162		1.91	0.006													
A0103163		2.13	<0.001													
A0103164		2.26	0.003													
A0103165		2.33	0.002													
A0103166		2.26	0.005													
A0103167		2.25	0.001													
A0103168		2.87	0.019													
A0103169		<0.02	0.020													
A0103170		2.51	0.007													
A0103171		2.82	0.034													
A0103172		2.57	0.078													
A0103173		2.67	0.001													
A0103174		2.64	0.006													
A0103175		2.22	0.005													
A0103176		2.34	0.003													
A0103177		2.25	0.002													
A0103178		2.26	0.004													
A0103179		1.88	0.005													
A0103180		1.82	0.006	0.07	7.36	3.5	510	3.75	0.17	6.08	0.06	146.5	30.1	80	4.75	75.5
A0103181		2.31	0.001													
A0103182		2.38	0.001													
A0103183		2.43	0.002													
A0103184		0.71	0.001													
A0103185		2.52	0.007													
A0103186		2.54	0.002													
A0103187		2.30	0.002													
A0103188		2.21	0.001													
A0103189		2.16	0.008													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0103150 A0103151 A0103152 A0103153 A0103154		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103155 A0103156 A0103157 A0103158 A0103159																
A0103160 A0103161 A0103162 A0103163 A0103164		4.75	24.8	0.10	4.6	0.049	1.68	33.0	43.2	1.87	882	0.60	4.79	19.5	57.7	500
A0103165 A0103166 A0103167 A0103168 A0103169																
A0103170 A0103171 A0103172 A0103173 A0103174																
A0103175 A0103176 A0103177 A0103178 A0103179																
A0103180 A0103181 A0103182 A0103183 A0103184		6.12	20.6	0.16	4.3	0.054	2.02	64.0	68.9	3.07	1130	0.51	3.96	15.3	39.3	1380
A0103185 A0103186 A0103187 A0103188 A0103189																



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A0103150 A0103151 A0103152 A0103153 A0103154																
A0103155 A0103156 A0103157 A0103158 A0103159																
A0103160 A0103161 A0103162 A0103163 A0103164		11.0	57.9	0.002	0.06	0.38	17.3	<1	0.7	773	0.33	<0.05	8.41	0.320	0.24	3.2
A0103165 A0103166 A0103167 A0103168 A0103169																
A0103170 A0103171 A0103172 A0103173 A0103174																
A0103175 A0103176 A0103177 A0103178 A0103179																
A0103180 A0103181 A0103182 A0103183 A0103184		9.8	122.0	<0.002	0.09	1.18	25.4	<1	1.2	1365	0.39	<0.05	7.47	0.487	0.34	2.1
A0103185 A0103186 A0103187 A0103188 A0103189																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103150 A0103151 A0103152 A0103153 A0103154						
A0103155 A0103156 A0103157 A0103158 A0103159						
A0103160 A0103161 A0103162 A0103163 A0103164		160	1.4	14.8	95	198.5
A0103165 A0103166 A0103167 A0103168 A0103169						
A0103170 A0103171 A0103172 A0103173 A0103174						
A0103175 A0103176 A0103177 A0103178 A0103179						
A0103180 A0103181 A0103182 A0103183 A0103184		200	1.2	19.7	127	165.0
A0103185 A0103186 A0103187 A0103188 A0103189						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103190		2.20	0.012													
A0103191		2.15	0.010													
A0103192		2.37	0.001													
A0103193		2.18	0.015													
A0103194		1.89	0.013													
A0103195		2.01	0.011													
A0103196		1.88	0.024													
A0103197		1.81	0.010													
A0103198		2.29	0.025													
A0103199		2.22	0.003	0.08	7.43	0.7	850	0.99	0.11	3.16	0.08	107.0	6.9	13	0.37	49.3
A0103200		0.07	0.506													
A0103201		2.20	0.003													
A0103202		2.14	0.005													
A0103203		1.95	0.007													
A0103204		1.82	<0.001													
A0103205		1.86	0.029													
A0103206		1.93	0.003													
A0103207		1.99	0.004													
A0103208		0.07	2.99													
A0103209		1.91	0.003													
A0103210		1.91	0.002													
A0103211		2.05	0.003													
A0103212		2.14	0.004													
A0103213		1.86	0.002													
A0103214		1.67	0.002													
A0103215		1.88	<0.001													
A0103216		1.77	0.001													
A0103217		2.05	0.015													
A0103218		2.09	0.010													
A0103219		2.13	0.011													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0103190 A0103191 A0103192 A0103193 A0103194		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103195 A0103196 A0103197 A0103198 A0103199		2.09	22.8	0.15	3.6	0.025	2.91	39.7	2.6	0.54	535	1.25	5.52	19.6	10.1	1320
A0103200 A0103201 A0103202 A0103203 A0103204																
A0103205 A0103206 A0103207 A0103208 A0103209																
A0103210 A0103211 A0103212 A0103213 A0103214																
A0103215 A0103216 A0103217 A0103218 A0103219																

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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0103190 A0103191 A0103192 A0103193 A0103194		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0103195 A0103196 A0103197 A0103198 A0103199		13.2	54.5	<0.002	0.15	0.80	2.8	<1	0.6	1390	0.43	<0.05	6.75	0.161	0.19	1.9
A0103200 A0103201 A0103202 A0103203 A0103204																
A0103205 A0103206 A0103207 A0103208 A0103209																
A0103210 A0103211 A0103212 A0103213 A0103214																
A0103215 A0103216 A0103217 A0103218 A0103219																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103190 A0103191 A0103192 A0103193 A0103194						
A0103195 A0103196 A0103197 A0103198 A0103199		38	4.8	11.7	65	165.0
A0103200 A0103201 A0103202 A0103203 A0103204						
A0103205 A0103206 A0103207 A0103208 A0103209						
A0103210 A0103211 A0103212 A0103213 A0103214						
A0103215 A0103216 A0103217 A0103218 A0103219						



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CERTIFICATE VO19111106

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 190 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103220		2.09	0.002	0.04	7.70	3.3	860	4.81	0.07	2.91	0.05	95.3	7.9	40	1.73	30.3
A0103221		2.25	0.005													
A0103222		1.80	0.005													
A0103223		1.75	<0.001													
A0103224		0.76	<0.001													
A0103225		1.06	<0.001													
A0103226		1.39	0.001													
A0103227		1.87	<0.001													
A0103228		1.96	<0.001	0.05	8.77	4.3	650	1.06	0.07	6.99	0.03	7.75	65.2	515	3.63	38.0
A0103229		1.79	0.004													
A0103230		1.91	0.002													
A0103231		1.96	<0.001													
A0103232		2.05	<0.001													
A0103233		1.97	<0.001													
A0103234		2.77	<0.001													
A0103235		2.08	<0.001													
A0103236		2.11	<0.001													
A0103237		2.23	0.001													
A0103238		1.79	0.006													
A0103239		1.90	0.001													
A0103240		0.53	<0.001													
A0103241		2.05	0.001													
A0103242		2.45	0.001													
A0103243		2.21	<0.001													
A0103244		2.19	<0.001													
A0103245		2.30	<0.001													
A0103246		2.10	<0.001													
A0103247		2.19	<0.001													
A0103248		2.14	<0.001	0.13	6.82	2.7	260	0.59	0.10	9.91	0.12	194.5	34.7	194	4.91	123.0
A0103249		1.97	0.001													
A0103250		1.87	0.001													
A0103251		2.24	0.001													
A0103252		2.56	<0.001													
A0103253		2.51	0.005													
A0103254		2.34	0.010													
A0103255		2.00	0.003													
A0103256		0.07	0.141													
A0103257		2.38	0.005													
A0103258		2.45	<0.001													
A0103259		1.93	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0103220 A0103221 A0103222 A0103223 A0103224		2.64	22.0	0.13	3.7	0.020	3.23	40.6	100.5	0.79	565	1.08	5.34	16.8	21.1	560
A0103225 A0103226 A0103227 A0103228 A0103229		5.40	18.05	0.07	0.6	0.066	2.11	2.9	93.5	2.31	1660	1.90	3.24	1.8	258	270
A0103230 A0103231 A0103232 A0103233 A0103234																
A0103235 A0103236 A0103237 A0103238 A0103239																
A0103240 A0103241 A0103242 A0103243 A0103244																
A0103245 A0103246 A0103247 A0103248 A0103249		6.56	12.70	0.19	0.8	0.041	0.79	97.1	75.9	2.13	2390	0.82	3.27	3.8	73.2	230
A0103250 A0103251 A0103252 A0103253 A0103254																
A0103255 A0103256 A0103257 A0103258 A0103259																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0103220 A0103221 A0103222 A0103223 A0103224		13.3	91.5	<0.002	0.19	0.47	3.5	<1	0.6	1230	0.44	<0.05	5.72	0.148	0.24	2.0
A0103225 A0103226 A0103227 A0103228 A0103229		0.9	98.4	0.002	0.30	0.39	46.1	1	0.5	157.0	0.11	<0.05	0.22	0.479	0.57	0.1
A0103230 A0103231 A0103232 A0103233 A0103234																
A0103235 A0103236 A0103237 A0103238 A0103239																
A0103240 A0103241 A0103242 A0103243 A0103244																
A0103245 A0103246 A0103247 A0103248 A0103249		4.1	70.7	0.002	0.34	0.50	32.2	1	0.3	1065	0.09	<0.05	0.25	0.356	0.33	0.4
A0103250 A0103251 A0103252 A0103253 A0103254																
A0103255 A0103256 A0103257 A0103258 A0103259																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103220 A0103221 A0103222 A0103223 A0103224		63	3.3	9.2	64	155.0
A0103225 A0103226 A0103227 A0103228 A0103229		301	7.6	14.2	89	21.4
A0103230 A0103231 A0103232 A0103233 A0103234						
A0103235 A0103236 A0103237 A0103238 A0103239						
A0103240 A0103241 A0103242 A0103243 A0103244						
A0103245 A0103246 A0103247 A0103248 A0103249		173	2.5	24.3	88	31.9
A0103250 A0103251 A0103252 A0103253 A0103254						
A0103255 A0103256 A0103257 A0103258 A0103259						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103260		2.09	0.001													
A0103261		2.21	<0.001													
A0103262		2.12	<0.001													
A0103263		2.34	<0.001													
A0103264		2.10	0.001													
A0103265		2.03	0.007													
A0103266		2.14	0.001													
A0103267		2.09	<0.001													
A0103268		1.98	<0.001	0.05	7.70	3.6	350	0.67	0.10	7.50	0.06	81.8	46.1	219	4.99	173.0
A0103269		2.06	<0.001													
A0103270		2.09	<0.001													
A0103271		2.00	0.003													
A0103272		2.71	0.001													
A0103273		<0.02	<0.001													
A0103274		2.36	<0.001													
A0103275		1.98	<0.001													
A0103276		2.15	<0.001													
A0103277		1.88	<0.001													
A0103278		2.06	<0.001													
A0103279		1.90	<0.001													
A0103280		1.98	0.001													
A0103281		1.99	<0.001													
A0103282		2.02	0.004													
A0103283		2.07	0.002													
A0103284		1.89	<0.001													
A0103285		2.01	0.003													
A0103286		2.18	0.006													
A0103287		1.97	<0.001	0.09	8.24	10.6	350	0.40	0.16	6.90	0.04	6.51	56.6	291	1.89	68.0
A0103288		0.53	<0.001													
A0103289		2.12	0.001													
A0103290		1.92	<0.001													
A0103291		2.13	0.002													
A0103292		1.80	<0.001													
A0103293		1.82	0.001													
A0103294		1.90	<0.001													
A0103295		3.11	<0.001													
A0103296		1.88	0.002													
A0103297		2.16	0.001													
A0103298		2.07	<0.001													
A0103299		1.95	0.006													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0103260 A0103261 A0103262 A0103263 A0103264		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103265 A0103266 A0103267 A0103268 A0103269		9.03	13.25	0.13	0.8	0.048	0.84	37.7	71.7	2.60	3070	0.43	3.48	5.5	107.0	240
A0103270 A0103271 A0103272 A0103273 A0103274																
A0103275 A0103276 A0103277 A0103278 A0103279																
A0103280 A0103281 A0103282 A0103283 A0103284																
A0103285 A0103286 A0103287 A0103288 A0103289		8.30	14.45	0.06	1.0	0.055	0.88	2.5	64.4	2.14	2710	2.94	1.85	1.6	116.0	230
A0103290 A0103291 A0103292 A0103293 A0103294																
A0103295 A0103296 A0103297 A0103298 A0103299																



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A0103260 A0103261 A0103262 A0103263 A0103264																
A0103265 A0103266 A0103267 A0103268 A0103269		2.4	67.5	<0.002	0.34	0.49	36.0	1	0.3	607	0.09	<0.05	0.28	0.380	0.34	0.6
A0103270 A0103271 A0103272 A0103273 A0103274																
A0103275 A0103276 A0103277 A0103278 A0103279																
A0103280 A0103281 A0103282 A0103283 A0103284																
A0103285 A0103286 A0103287 A0103288 A0103289		2.1	51.6	0.004	0.37	1.41	41.0	<1	0.4	370	0.09	0.06	0.18	0.426	0.20	0.1
A0103290 A0103291 A0103292 A0103293 A0103294																
A0103295 A0103296 A0103297 A0103298 A0103299																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0103260 A0103261 A0103262 A0103263 A0103264						
A0103265 A0103266 A0103267 A0103268 A0103269		191	2.8	22.9	104	31.8
A0103270 A0103271 A0103272 A0103273 A0103274						
A0103275 A0103276 A0103277 A0103278 A0103279						
A0103280 A0103281 A0103282 A0103283 A0103284						
A0103285 A0103286 A0103287 A0103288 A0103289		241	1.9	17.7	74	34.0
A0103290 A0103291 A0103292 A0103293 A0103294						
A0103295 A0103296 A0103297 A0103298 A0103299						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103300		2.02	0.007													
A0103301		2.06	0.007													
A0103302		1.63	0.002													
A0103303		2.13	0.001													
A0103304		0.07	0.495													
A0103305		1.94	<0.001													
A0103306		2.11	0.002													
A0103307		2.35	0.008													
A0103308		1.93	0.005	0.14	5.93	6.9	230	0.35	0.26	3.87	0.02	5.70	53.1	212	1.73	101.5
A0103309		1.37	0.007													
A0103310		2.79	0.003													
A0103311		1.87	0.004													
A0103312		1.84	0.003													
A0103313		1.82	0.002													
A0103314		1.67	0.003													
A0103315		1.96	0.002													
A0103316		2.42	0.002													
A0103317		2.61	0.004													
A0103318		2.21	0.003													
A0103319		2.19	0.002													
A0103320		0.92	0.004													
A0103321		1.01	0.004													
A0103322		2.06	0.002													
A0103323		2.15	0.002													
A0103324		2.13	0.002													
A0103325		2.10	0.002													
A0103326		2.05	0.001													
A0103327		2.04	0.002													
A0103328		1.98	0.004	0.09	6.83	8.6	390	0.46	0.24	4.47	0.02	4.85	81.6	292	3.70	82.5
A0103329		2.17	0.001													
A0103330		1.99	0.005													
A0103331		2.02	0.005													
A0103332		2.03	0.001													
A0103333		2.21	0.004													
A0103334		2.09	0.001													
A0103335		2.10	0.003													
A0103336		0.61	0.001													
A0103337		1.88	0.001													
A0103338		2.09	0.002													
A0103339		1.89	0.002													



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		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0103300 A0103301 A0103302 A0103303 A0103304																
A0103305 A0103306 A0103307 A0103308 A0103309		11.50	11.10	0.08	0.7	0.038	1.02	2.1	75.6	2.19	2990	0.68	1.35	1.1	75.9	160
A0103310 A0103311 A0103312 A0103313 A0103314																
A0103315 A0103316 A0103317 A0103318 A0103319																
A0103320 A0103321 A0103322 A0103323 A0103324																
A0103325 A0103326 A0103327 A0103328 A0103329		5.33	12.35	0.09	0.8	0.038	2.83	1.8	59.9	1.15	1300	1.45	0.54	1.3	152.5	190
A0103330 A0103331 A0103332 A0103333 A0103334																
A0103335 A0103336 A0103337 A0103338 A0103339																



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A0103300 A0103301 A0103302 A0103303 A0103304		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0103305 A0103306 A0103307 A0103308 A0103309		0.8	54.8	<0.002	0.78	0.32	38.2	1	0.2	68.6	0.07	0.17	0.12	0.311	0.24	<0.1
A0103310 A0103311 A0103312 A0103313 A0103314																
A0103315 A0103316 A0103317 A0103318 A0103319																
A0103320 A0103321 A0103322 A0103323 A0103324																
A0103325 A0103326 A0103327 A0103328 A0103329		0.7	145.0	0.002	0.51	0.46	25.8	1	0.3	74.5	0.08	0.07	0.29	0.351	0.57	0.1
A0103330 A0103331 A0103332 A0103333 A0103334																
A0103335 A0103336 A0103337 A0103338 A0103339																



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A0103300 A0103301 A0103302 A0103303 A0103304						
A0103305 A0103306 A0103307 A0103308 A0103309		185	1.1	17.9	71	20.6
A0103310 A0103311 A0103312 A0103313 A0103314						
A0103315 A0103316 A0103317 A0103318 A0103319						
A0103320 A0103321 A0103322 A0103323 A0103324						
A0103325 A0103326 A0103327 A0103328 A0103329		183	5.5	10.3	44	30.3
A0103330 A0103331 A0103332 A0103333 A0103334						
A0103335 A0103336 A0103337 A0103338 A0103339						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103340		2.13	0.002													
A0103341		2.38	0.002													
A0103342		1.89	0.002													
A0103343		2.42	0.001													
A0103344		2.12	0.003													
A0103345		1.97	0.001													
A0103346		1.52	0.003													
A0103347		1.66	0.012													
A0103348		2.28	<0.001	0.19	6.93	6.2	1240	1.44	0.18	6.33	0.13	83.3	46.8	191	15.50	103.0
A0103349		1.79	0.001													
A0103350		1.79	0.001													
A0103351		1.04	<0.001													
A0103352		1.16	<0.001													
A0103353		1.98	<0.001													
A0103354		2.03	<0.001													
A0103355		1.98	<0.001													
A0103356		2.04	0.002													
A0103357		1.87	0.003													
A0103358		1.90	0.001													
A0103359		2.03	<0.001													
A0103360		2.06	<0.001													
A0103361		2.13	0.003													
A0103362		2.13	0.001													
A0103363		1.88	<0.001													
A0103364		1.99	0.001													
A0103365		1.97	0.003													
A0103366		1.96	<0.001													
A0103367		1.85	0.002													
A0103368		1.93	0.009	0.14	6.96	3.0	1440	0.72	0.16	6.82	0.03	10.70	42.3	248	1.49	132.5
A0103369		<0.02	0.006													
A0103370		1.98	0.005													
A0103371		1.98	<0.001													
A0103372		1.89	0.004													
A0103373		2.27	0.125													
A0103374		1.68	0.005													
A0103375		1.94	0.002													
A0103376		1.93	0.001													
A0103377		1.93	<0.001													
A0103378		2.06	0.001													
A0103379		1.84	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0103340 A0103341 A0103342 A0103343 A0103344		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103345 A0103346 A0103347 A0103348 A0103349		6.60	14.05	0.16	2.0	0.048	1.99	34.6	160.0	3.70	1680	2.74	3.34	11.2	145.5	1090
A0103350 A0103351 A0103352 A0103353 A0103354																
A0103355 A0103356 A0103357 A0103358 A0103359																
A0103360 A0103361 A0103362 A0103363 A0103364																
A0103365 A0103366 A0103367 A0103368 A0103369		5.50	13.95	0.10	0.7	0.049	0.69	3.6	77.8	3.68	1400	5.07	2.50	2.6	84.3	210
A0103370 A0103371 A0103372 A0103373 A0103374																
A0103375 A0103376 A0103377 A0103378 A0103379																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0103340 A0103341 A0103342 A0103343 A0103344																
A0103345 A0103346 A0103347 A0103348 A0103349		10.8	176.5	0.003	0.28	0.53	31.5	<1	0.5	273	0.26	<0.05	3.31	0.467	0.83	2.2
A0103350 A0103351 A0103352 A0103353 A0103354																
A0103355 A0103356 A0103357 A0103358 A0103359																
A0103360 A0103361 A0103362 A0103363 A0103364																
A0103365 A0103366 A0103367 A0103368 A0103369		1.6	34.6	0.006	0.47	0.53	44.6	1	0.2	166.0	0.08	<0.05	2.56	0.415	0.14	0.4
A0103370 A0103371 A0103372 A0103373 A0103374																
A0103375 A0103376 A0103377 A0103378 A0103379																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103340 A0103341 A0103342 A0103343 A0103344						
A0103345 A0103346 A0103347 A0103348 A0103349		204	2.2	20.3	125	83.2
A0103350 A0103351 A0103352 A0103353 A0103354						
A0103355 A0103356 A0103357 A0103358 A0103359						
A0103360 A0103361 A0103362 A0103363 A0103364						
A0103365 A0103366 A0103367 A0103368 A0103369		246	2.6	16.9	60	31.1
A0103370 A0103371 A0103372 A0103373 A0103374						
A0103375 A0103376 A0103377 A0103378 A0103379						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0103380		1.96	0.001													
A0103381		1.82	<0.001													
A0103382		2.01	<0.001													
A0103383		1.93	0.002													
A0103384		0.53	0.001													
A0103385		1.99	0.093													
A0103386		2.11	0.003													
A0103387		2.02	<0.001													
A0103388		1.94	0.001	0.11	5.62	4.9	60	0.33	0.33	13.40	0.07	8.64	52.5	424	0.26	99.8
A0103389		1.92	<0.001													
A0103390		1.89	0.005													
A0103391		1.95	<0.001													
A0103392		2.18	<0.001													
A0103393		2.47	<0.001													
A0103394		2.13	<0.001													
A0103395		1.69	0.002													
A0103396		2.44	0.001													
A0103397		1.82	0.003													
A0103398		1.82	0.002													
A0103399		2.44	0.005													
A0103400		0.07	0.141													
A0103401		1.92	0.038													
A0103402		1.91	0.006													
A0103403		1.82	0.005													
A0103404		1.66	0.006													
A0103405		1.68	0.007													
A0103406		1.86	0.008													
A0103407		1.80	0.041	0.08	5.77	2.6	320	1.12	0.11	8.80	0.03	29.7	46.8	454	6.46	27.9
A0103408		0.07	0.481													
A0103409		1.83	0.165													



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A0103380 A0103381 A0103382 A0103383 A0103384		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0103385 A0103386 A0103387 A0103388 A0103389		7.77	10.80	0.05	0.6	0.046	0.13	4.1	28.9	3.69	2070	8.07	2.22	1.3	316	230
A0103390 A0103391 A0103392 A0103393 A0103394																
A0103395 A0103396 A0103397 A0103398 A0103399																
A0103400 A0103401 A0103402 A0103403 A0103404																
A0103405 A0103406 A0103407 A0103408 A0103409		6.03	10.95	0.07	0.8	0.044	1.52	20.6	73.1	3.51	1610	0.99	3.39	1.1	201	270

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



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
A0103380 A0103381 A0103382 A0103383 A0103384		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0103385 A0103386 A0103387 A0103388 A0103389		3.2	2.3	0.009	0.51	1.19	28.6	1	0.3	408	0.08	0.05	0.22	0.335	0.02	0.3
A0103390 A0103391 A0103392 A0103393 A0103394																
A0103395 A0103396 A0103397 A0103398 A0103399																
A0103400 A0103401 A0103402 A0103403 A0103404																
A0103405 A0103406 A0103407 A0103408 A0103409		1.6	83.0	<0.002	0.34	1.18	30.0	<1	0.3	203	0.07	<0.05	0.20	0.300	0.49	0.4



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103380 A0103381 A0103382 A0103383 A0103384						
A0103385 A0103386 A0103387 A0103388 A0103389		183	1.6	12.8	107	20.4
A0103390 A0103391 A0103392 A0103393 A0103394						
A0103395 A0103396 A0103397 A0103398 A0103399						
A0103400 A0103401 A0103402 A0103403 A0103404						
A0103405 A0103406 A0103407 A0103408 A0103409		181	8.4	7.4	84	40.2



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO1911115

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 190 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	
A0103410		1.97	0.602														
A0103411		2.21	0.123														
A0103412		1.79	0.031														
A0103413		2.04	0.164														
A0103414		2.22	0.009														
A0103415		2.14	0.019														
A0103416		2.16	0.079														
A0103417		2.40	2.93														
A0103418		2.36	0.555														
A0103419		2.42	1.640														
A0103420		2.51	0.147														
A0103421		2.45	0.171														
A0103422		2.31	0.087														
A0103423		2.35	0.083														
A0103424		1.40	0.244														
A0103425		1.25	0.366														
A0103426		2.31	0.472														
A0103427		2.48	0.733														
A0103428		2.41	1.260		1.54	3.99	81.7	130	0.79	1.09	5.18	1.35	18.45	41.6	63	1.08	
A0103429		2.29	0.102														
A0103430		2.22	0.006														
A0103431		2.06	0.005														
A0103432		2.31	0.070														
A0103433		2.20	0.004														
A0103434		1.93	0.007														
A0103435		1.89	0.013														
A0103436		2.24	0.061														
A0103437		1.95	0.009														
A0103438		2.20	0.053														
A0103439		2.43	6.84														
A0103440		0.60	0.022														
A0103441		2.41	3.35														
A0103442		2.55	1.865														
A0103443		2.15	0.079														
A0103444		2.41	0.236														
A0103445		2.22	0.074														
A0103446		2.48	0.087														
A0103447		2.58	3.36														
A0103448		2.42	0.367		0.68	5.57	7.0	60	0.55	1.53	7.01	0.16	12.95	72.9	106	0.68	
A0103449		2.42	0.210														



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
A0103410 A0103411 A0103412 A0103413 A0103414		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
A0103415 A0103416 A0103417 A0103418 A0103419																
A0103420 A0103421 A0103422 A0103423 A0103424																
A0103425 A0103426 A0103427 A0103428 A0103429		93.5	11.90	8.85	0.07	1.5	0.140	1.49	8.1	42.9	1.44	2050	4.00	0.04	2.0	58.6
A0103430 A0103431 A0103432 A0103433 A0103434																
A0103435 A0103436 A0103437 A0103438 A0103439																
A0103440 A0103441 A0103442 A0103443 A0103444																
A0103445 A0103446 A0103447 A0103448 A0103449		195.0	14.90	11.90	0.08	1.0	0.051	0.29	5.8	35.1	1.76	1940	9.08	2.76	1.5	113.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		P ppm 10	Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02
A0103410 A0103411 A0103412 A0103413 A0103414																
A0103415 A0103416 A0103417 A0103418 A0103419																
A0103420 A0103421 A0103422 A0103423 A0103424																
A0103425 A0103426 A0103427 A0103428 A0103429		220	6.5	47.1	0.004	7.68	1.14	15.0	4	0.9	93.0	0.16	1.49	0.90	0.178	0.25
A0103430 A0103431 A0103432 A0103433 A0103434																
A0103435 A0103436 A0103437 A0103438 A0103439																
A0103440 A0103441 A0103442 A0103443 A0103444																
A0103445 A0103446 A0103447 A0103448 A0103449		200	3.6	12.1	0.009	9.42	0.67	27.4	3	0.7	174.0	0.10	0.78	0.30	0.348	0.10



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		U ppm 0.1	V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0103410 A0103411 A0103412 A0103413 A0103414							
A0103415 A0103416 A0103417 A0103418 A0103419							
A0103420 A0103421 A0103422 A0103423 A0103424							
A0103425 A0103426 A0103427 A0103428 A0103429		0.3	154	14.0	7.3	516	64.1
A0103430 A0103431 A0103432 A0103433 A0103434							
A0103435 A0103436 A0103437 A0103438 A0103439							
A0103440 A0103441 A0103442 A0103443 A0103444							
A0103445 A0103446 A0103447 A0103448 A0103449		0.2	197	22.2	14.0	230	39.9



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
A0103450		2.46	0.031													
A0103451		2.53	0.029													
A0103452		2.29	0.017													
A0103453		2.38	0.114													
A0103454		2.43	0.201													
A0103455		2.28	0.044													
A0103456		0.07	3.05													
A0103457		2.61	1.755													
A0103458		2.29	0.891													
A0103459		2.19	0.168													
A0103460		2.25	6.72													
A0103461		2.39	1.005													
A0103462		2.29	0.150													
A0103463		2.30	2.29													
A0103464		2.47	2.86													
A0103465		2.35	1.550													
A0103466		2.71	5.54													
A0103467		2.92	0.387													
A0103468		2.48	6.95		1.74	5.56	41.7	100	0.92	1.29	4.93	0.61	19.65	57.8	125	0.97
A0103469		2.37	>10.0	13.05												
A0103470		2.20	1.730													
A0103471		2.16	1.195													
A0103472		2.05	1.470													
A0103473		<0.02	1.725													
A0103474		2.32	6.74													
A0103475		2.23	5.26													
A0103476		2.28	2.72													
A0103477		2.06	3.31													
A0103478		2.21	0.586													
A0103479		2.32	0.595													
A0103480		1.95	0.012													
A0103481		2.23	0.176													
A0103482		2.33	1.730													
A0103483		2.26	0.405													
A0103484		2.01	0.972													
A0103485		2.19	1.300													
A0103486		2.12	0.031													
A0103487		2.14	0.012													
A0103488		0.49	0.001													
A0103489		2.28	0.006		0.07	7.47	1.9	290	0.51	0.13	6.26	0.09	14.10	39.8	154	4.38



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
A0103450 A0103451 A0103452 A0103453 A0103454		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
A0103455 A0103456 A0103457 A0103458 A0103459																
A0103460 A0103461 A0103462 A0103463 A0103464																
A0103465 A0103466 A0103467 A0103468 A0103469		157.0	14.10	13.50	0.08	0.9	0.072	1.11	10.2	20.1	1.59	1840	1.12	3.43	1.3	89.1
A0103470 A0103471 A0103472 A0103473 A0103474																
A0103475 A0103476 A0103477 A0103478 A0103479																
A0103480 A0103481 A0103482 A0103483 A0103484																
A0103485 A0103486 A0103487 A0103488 A0103489		54.7	6.61	15.45	0.07	0.9	0.067	0.91	7.2	75.8	3.40	1520	1.23	3.28	2.0	82.7



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		P ppm 10	Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02
A0103450 A0103451 A0103452 A0103453 A0103454																
A0103455 A0103456 A0103457 A0103458 A0103459																
A0103460 A0103461 A0103462 A0103463 A0103464																
A0103465 A0103466 A0103467 A0103468 A0103469		250	11.4	32.7	<0.002	>10.0	1.44	27.3	3	1.1	211	0.08	1.78	0.29	0.257	0.32
A0103470 A0103471 A0103472 A0103473 A0103474																
A0103475 A0103476 A0103477 A0103478 A0103479																
A0103480 A0103481 A0103482 A0103483 A0103484																
A0103485 A0103486 A0103487 A0103488 A0103489		270	5.5	45.7	<0.002	0.38	0.62	38.2	<1	0.8	241	0.12	<0.05	0.51	0.496	0.27



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		U ppm 0.1	V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0103450 A0103451 A0103452 A0103453 A0103454							
A0103455 A0103456 A0103457 A0103458 A0103459							
A0103460 A0103461 A0103462 A0103463 A0103464							
A0103465 A0103466 A0103467 A0103468 A0103469		0.3	137	32.2	7.4	277	32.7
A0103470 A0103471 A0103472 A0103473 A0103474							
A0103475 A0103476 A0103477 A0103478 A0103479							
A0103480 A0103481 A0103482 A0103483 A0103484							
A0103485 A0103486 A0103487 A0103488 A0103489		0.2	262	7.6	17.0	109	38.2



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
A0103490		1.99	0.004													
A0103491		2.31	0.003													
A0103492		1.98	0.137													
A0103493		2.08	0.006													
A0103494		2.27	0.034													
A0103495		2.41	0.026													
A0103496		2.23	0.046													
A0103497		2.23	0.022													
A0103498		2.27	0.018													
A0103499		2.03	0.012													
A0103500		1.86	0.006													
A0103501		1.97	0.004													
A0103502		2.12	0.005													
A0103503		1.94	0.002													
A0103504		0.07	0.140													
A0103505		2.32	0.004													
A0103506		1.74	0.003													
A0103507		2.29	0.005													
A0103508		2.21	0.003		0.36	7.02	3.3	170	0.46	1.28	5.25	0.16	18.00	50.3	159	1.23
A0103509		2.10	0.002													
A0103510		2.22	0.002													
A0103511		2.49	0.011													
A0103512		2.32	0.002													
A0103513		2.35	0.020													
A0103514		2.36	0.009													
A0103515		2.20	0.002													
A0103516		2.40	0.010													
A0103517		2.08	0.017													
A0103518		2.43	0.024													
A0103519		2.59	0.040													
A0103520		1.21	0.017													
A0103521		1.12	0.040													
A0103522		2.34	0.056													
A0103523		2.15	0.026													
A0103524		2.28	0.008													
A0103525		2.20	0.004													
A0103526		2.45	0.006													
A0103527		2.34	0.006													
A0103528		2.22	0.003		0.22	8.05	82.0	450	0.79	0.21	0.16	0.48	20.9	35.5	50	2.07
A0103529		2.19	0.009													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
A0103490 A0103491 A0103492 A0103493 A0103494		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
A0103495 A0103496 A0103497 A0103498 A0103499																
A0103500 A0103501 A0103502 A0103503 A0103504																
A0103505 A0103506 A0103507 A0103508 A0103509		309	11.15	14.15	0.06	1.1	0.062	0.28	10.8	57.0	3.06	3500	1.16	3.36	1.9	132.0
A0103510 A0103511 A0103512 A0103513 A0103514																
A0103515 A0103516 A0103517 A0103518 A0103519																
A0103520 A0103521 A0103522 A0103523 A0103524																
A0103525 A0103526 A0103527 A0103528 A0103529		48.5	8.16	17.65	0.08	2.7	0.103	2.21	7.9	99.0	2.79	1120	3.25	0.03	5.2	79.8



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		P ppm 10	Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02
A0103490 A0103491 A0103492 A0103493 A0103494																
A0103495 A0103496 A0103497 A0103498 A0103499																
A0103500 A0103501 A0103502 A0103503 A0103504																
A0103505 A0103506 A0103507 A0103508 A0103509		260	4.5	14.1	<0.002	1.73	0.69	36.8	2	0.5	204	0.13	0.05	0.25	0.473	0.11
A0103510 A0103511 A0103512 A0103513 A0103514																
A0103515 A0103516 A0103517 A0103518 A0103519																
A0103520 A0103521 A0103522 A0103523 A0103524																
A0103525 A0103526 A0103527 A0103528 A0103529		680	1.0	49.5	0.003	0.83	1.14	23.3	1	2.4	5.8	0.33	0.18	0.71	0.491	0.46



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103490 A0103491 A0103492 A0103493 A0103494							
A0103495 A0103496 A0103497 A0103498 A0103499							
A0103500 A0103501 A0103502 A0103503 A0103504							
A0103505 A0103506 A0103507 A0103508 A0103509		0.2	245	4.8	20.3	147	43.1
A0103510 A0103511 A0103512 A0103513 A0103514							
A0103515 A0103516 A0103517 A0103518 A0103519							
A0103520 A0103521 A0103522 A0103523 A0103524							
A0103525 A0103526 A0103527 A0103528 A0103529		0.2	161	16.4	7.9	388	127.5



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
A0103530		2.24	0.022													
A0103531		2.20	0.008													
A0103532		2.22	0.018													
A0103533		2.15	0.015													
A0103534		2.17	0.001													
A0103535		1.58	0.002													
A0103536		0.55	0.001													
A0103537		3.22	0.041													
A0103538		2.14	0.748													
A0103539		2.18	3.67													
A0103540		2.35	0.741													
A0103541		2.28	0.039													
A0103542		2.15	0.688													
A0103543		2.41	1.040													
A0103544		2.13	0.214													
A0103545		2.06	5.13													
A0103546		2.57	0.971													
A0103547		2.25	0.654		0.40	8.30	13.6	290	1.33	0.34	6.56	0.03	14.60	63.7	187	4.90
A0103548		2.35	0.733													
A0103549		2.19	0.302													
A0103550		2.13	1.800													
A0103551		2.28	1.090													
A0103552		0.07	0.504													
A0103553		2.30	4.54													
A0103554		2.34	3.63													
A0103555		2.37	2.19													
A0103556		2.40	3.11													
A0103557		2.26	3.93													
A0103558		2.38	7.44													
A0103559		2.04	5.90													
A0103560		2.36	5.33													
A0103561		2.32	6.11													
A0103562		2.29	6.34													
A0103563		2.39	5.48													
A0103564		2.28	9.78													
A0103565		2.43	2.97													
A0103566		2.21	3.56		1.70	5.81	8.3	270	1.40	0.44	7.30	0.07	3.90	61.2	101	2.53
A0103567		2.34	0.013													
A0103568		2.22	0.032													
A0103569		<0.02	0.036													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
A0103530 A0103531 A0103532 A0103533 A0103534		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
A0103535 A0103536 A0103537 A0103538 A0103539																
A0103540 A0103541 A0103542 A0103543 A0103544																
A0103545 A0103546 A0103547 A0103548 A0103549		182.0	5.29	17.90	0.10	0.8	0.068	1.55	7.4	61.1	1.74	1240	9.38	4.73	2.1	115.0
A0103550 A0103551 A0103552 A0103553 A0103554																
A0103555 A0103556 A0103557 A0103558 A0103559																
A0103560 A0103561 A0103562 A0103563 A0103564																
A0103565 A0103566 A0103567 A0103568 A0103569		5620	9.63	10.60	0.08	0.5	0.040	2.08	1.5	60.1	4.13	2260	6.65	2.10	0.5	285



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		P ppm 10	Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005
A0103530 A0103531 A0103532 A0103533 A0103534															
A0103535 A0103536 A0103537 A0103538 A0103539															
A0103540 A0103541 A0103542 A0103543 A0103544															
A0103545 A0103546 A0103547 A0103548 A0103549		310	4.1	75.0	0.014	2.47	1.89	44.8	3	0.5	318	0.12	0.90	0.20	0.520 0.43
A0103550 A0103551 A0103552 A0103553 A0103554															
A0103555 A0103556 A0103557 A0103558 A0103559															
A0103560 A0103561 A0103562 A0103563 A0103564															
A0103565 A0103566 A0103567 A0103568 A0103569		110	2.0	72.0	0.007	2.94	1.17	20.5	3	0.3	410	<0.05	1.21	0.09	0.153 0.28



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103530 A0103531 A0103532 A0103533 A0103534							
A0103535 A0103536 A0103537 A0103538 A0103539							
A0103540 A0103541 A0103542 A0103543 A0103544							
A0103545 A0103546 A0103547 A0103548 A0103549		0.1	268	78.2	8.7	69	26.3
A0103550 A0103551 A0103552 A0103553 A0103554							
A0103555 A0103556 A0103557 A0103558 A0103559							
A0103560 A0103561 A0103562 A0103563 A0103564							
A0103565 A0103566 A0103567 A0103568 A0103569		0.1	261	14.1	6.2	57	18.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
A0103570		2.20	0.150													
A0103571		2.02	0.261													
A0103572		2.12	2.35													
A0103573		2.06	0.528													
A0103574		2.49	0.111													
A0103575		2.40	0.129													
A0103576		2.87	2.64													
A0103577		2.57	0.412													
A0103578		2.38	0.781													
A0103579		2.82	1.865													
A0103580		2.78	0.733													
A0103581		1.92	0.875													
A0103582		1.89	2.61													
A0103583		1.98	9.39													
A0103584		0.59	0.007													
A0103585		1.85	6.69		1.82	6.41	7.6	110	0.48	1.28	1.74	1.66	47.2	18.8	72	0.20
A0103586		2.27	>10.0	12.20												
A0103587		1.89	1.425													
A0103588		2.18	3.68													
A0103589		1.81	1.225													
A0103590		1.83	4.67													
A0103591		1.49	2.43													
A0103592		1.90	0.015													
A0103593		1.87	0.004													
A0103594		1.87	0.001		0.03	5.01	0.3	50	0.19	0.01	5.04	0.10	2.32	77.5	98	2.29
V470501		1.74	0.012													
V470502		2.27	0.007													
V470503		2.11	0.021													
V470504		0.07	0.137													
V470505		2.32	0.017													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
A0103570 A0103571 A0103572 A0103573 A0103574		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
A0103575 A0103576 A0103577 A0103578 A0103579																
A0103580 A0103581 A0103582 A0103583 A0103584																
A0103585 A0103586 A0103587 A0103588 A0103589		61.9	4.05	17.70	0.10	4.1	0.124	0.24	20.8	2.3	0.56	934	61.5	5.08	5.9	32.3
A0103590 A0103591 A0103592 A0103593 A0103594		19.2	8.12	8.31	0.06	0.3	0.025	0.14	0.9	72.4	10.30	1540	0.14	0.05	0.4	572
V470501 V470502 V470503 V470504 V470505																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		P ppm 10	Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02
A0103570 A0103571 A0103572 A0103573 A0103574																
A0103575 A0103576 A0103577 A0103578 A0103579																
A0103580 A0103581 A0103582 A0103583 A0103584																
A0103585 A0103586 A0103587 A0103588 A0103589		500	5.4	5.4	0.010	3.82	1.14	8.1	2	1.7	133.5	0.38	1.18	2.23	0.235	0.04
A0103590 A0103591 A0103592 A0103593 A0103594		110	0.8	7.5	<0.002	0.01	0.18	19.0	<1	<0.2	260	<0.05	<0.05	0.06	0.129	0.05
V470501 V470502 V470503 V470504 V470505																



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0103570 A0103571 A0103572 A0103573 A0103574							
A0103575 A0103576 A0103577 A0103578 A0103579							
A0103580 A0103581 A0103582 A0103583 A0103584							
A0103585 A0103586 A0103587 A0103588 A0103589		0.7	40	44.8	12.0	774	181.0
A0103590 A0103591 A0103592 A0103593 A0103594		<0.1	112	0.9	2.6	90	10.0
V470501 V470502 V470503 V470504 V470505							



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CERTIFICATE OF ANALYSIS VO19111115

	CERTIFICATE COMMENTS												
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-GRA21</td> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td></td> </tr> </table>	Au-GRA21	Au-ICP21	ME-MS61									
Au-GRA21	Au-ICP21	ME-MS61											



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CERTIFICATE VO1911117

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 190 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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CERTIFICATE OF ANALYSIS VO19111117

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
V470506		2.25	0.085												
V470507		2.26	0.015												
V470508		2.25	0.017												
V470509		1.76	0.009												
V470510		2.24	0.008												
V470511		2.18	0.007												
V470512		2.02	0.010												
V470513		2.20	0.005												
V470514		2.75	0.015												
V470515		1.99	0.019												
V470516		2.18	0.018												
V470517		2.19	0.004												
V470518		2.52	0.005												
V470519		2.53	0.009												
V470520		1.11	0.010	0.13	5.14	10.3	180	1.09	0.52	6.26	0.09	21.9	44.0	110	3.58 93.5
V470521		1.06	0.010												
V470522		2.72	0.018												
V470523		2.46	0.156												
V470524		1.66	0.004												
V470525		3.05	0.016												
V470526		2.53	0.048												
V470527		2.42	0.157												
V470528		2.20	0.016												
V470529		2.16	0.007												
V470530		2.38	0.022												
V470531		2.20	0.005												
V470532		2.41	0.005												
V470533		2.55	0.008												
V470534		2.09	0.006												
V470535		2.48	0.004												
V470536		0.54	0.001												
V470537		2.28	0.006												
V470538		2.58	0.018												
V470539		2.37	0.009												
V470540		2.11	0.006												
V470541		2.76	0.029												
V470542		2.24	0.035												
V470543		2.07	0.004												
V470544		2.32	0.008												
V470545		2.08	0.014												



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V470506 V470507 V470508 V470509 V470510		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470511 V470512 V470513 V470514 V470515																
V470516 V470517 V470518 V470519 V470520		16.25	11.35	0.09	1.1	0.086	0.60	9.0	59.3	3.10	3690	0.87	1.71	2.9	80.0	210
V470521 V470522 V470523 V470524 V470525																
V470526 V470527 V470528 V470529 V470530																
V470531 V470532 V470533 V470534 V470535																
V470536 V470537 V470538 V470539 V470540																
V470541 V470542 V470543 V470544 V470545																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
V470506 V470507 V470508 V470509 V470510																
V470511 V470512 V470513 V470514 V470515																
V470516 V470517 V470518 V470519 V470520		5.5	30.8	<0.002	2.14	0.60	27.1	1	0.7	242	0.10	0.27	2.31	0.360	0.30	0.4
V470521 V470522 V470523 V470524 V470525																
V470526 V470527 V470528 V470529 V470530																
V470531 V470532 V470533 V470534 V470535																
V470536 V470537 V470538 V470539 V470540																
V470541 V470542 V470543 V470544 V470545																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470506 V470507 V470508 V470509 V470510						
V470511 V470512 V470513 V470514 V470515						
V470516 V470517 V470518 V470519 V470520		182	0.9	18.5	287	42.5
V470521 V470522 V470523 V470524 V470525						
V470526 V470527 V470528 V470529 V470530						
V470531 V470532 V470533 V470534 V470535						
V470536 V470537 V470538 V470539 V470540						
V470541 V470542 V470543 V470544 V470545						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470546		2.18	0.017													
V470547		1.52	0.013													
V470548		1.52	0.012													
V470549		1.20	0.006													
V470550		2.14	0.024													
V470551		2.02	0.014													
V470552		0.07	0.514													
V470553		2.21	0.020													
V470554		2.24	0.033													
V470555		2.12	0.019													
V470556		2.18	0.039													
V470557		2.35	0.046													
V470558		1.90	0.012													
V470559		2.26	0.014													
V470560		2.16	0.003	0.05	5.32	3.6	120	4.71	0.18	8.70	0.20	74.7	39.2	377	6.91	92.7
V470561		2.21	0.012													
V470562		2.23	0.014													
V470563		2.34	0.010													
V470564		2.78	0.012													
V470565		2.24	0.006													
V470566		1.07	0.008													
V470567		2.65	0.007													
V470568		2.01	0.006													
V470569		<0.02	0.014													
V470570		1.15	0.010													
V470571		2.05	0.006													
V470572		2.35	0.010													
V470573		2.09	0.003													
V470574		2.35	0.001													
V470575		1.13	0.003													
V470576		1.27	0.005													
V470577		2.07	<0.001													
V470578		2.48	0.001													
V470579		1.52	0.015													
V470580		2.34	0.030	0.23	6.95	11.8	130	0.84	0.94	9.72	0.31	100.0	48.6	317	2.62	32.8
V470581		2.18	0.007													
V470582		2.41	0.006													
V470583		2.18	0.016													
V470584		0.51	0.001													
V470585		2.06	0.003													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470546 V470547 V470548 V470549 V470550		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470551 V470552 V470553 V470554 V470555																
V470556 V470557 V470558 V470559 V470560		5.52	11.65	0.10	0.8	0.044	1.17	39.9	113.0	3.94	1560	1.53	3.76	2.5	201	100
V470561 V470562 V470563 V470564 V470565																
V470566 V470567 V470568 V470569 V470570																
V470571 V470572 V470573 V470574 V470575																
V470576 V470577 V470578 V470579 V470580		6.01	13.55	0.14	1.0	0.041	0.64	49.8	65.7	2.63	1360	1.58	3.00	5.7	64.0	260
V470581 V470582 V470583 V470584 V470585																

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



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V470546 V470547 V470548 V470549 V470550		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V470551 V470552 V470553 V470554 V470555																
V470556 V470557 V470558 V470559 V470560		19.9	66.1	<0.002	0.17	0.83	28.9	<1	0.3	690	0.06	0.09	2.03	0.267	0.59	0.9
V470561 V470562 V470563 V470564 V470565																
V470566 V470567 V470568 V470569 V470570																
V470571 V470572 V470573 V470574 V470575																
V470576 V470577 V470578 V470579 V470580		24.1	31.2	0.003	0.83	0.74	40.1	1	0.4	1775	0.10	0.09	1.38	0.376	0.27	0.8
V470581 V470582 V470583 V470584 V470585																



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V470546 V470547 V470548 V470549 V470550						
V470551 V470552 V470553 V470554 V470555						
V470556 V470557 V470558 V470559 V470560		149	4.6	14.0	83	29.3
V470561 V470562 V470563 V470564 V470565						
V470566 V470567 V470568 V470569 V470570						
V470571 V470572 V470573 V470574 V470575						
V470576 V470577 V470578 V470579 V470580		205	0.7	19.8	101	36.8
V470581 V470582 V470583 V470584 V470585						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470586		2.23	0.009													
V470587		2.30	0.018													
V470588		2.12	0.014													
V470589		2.32	0.009													
V470590		2.46	0.007													
V470591		2.14	0.069													
V470592		2.38	0.019													
V470593		2.24	0.006													
V470594		2.69	0.006													
V470595		2.60	0.011													
V470596		1.22	0.007													
V470597		1.78	0.003													
V470598		1.50	0.002													
V470599		1.40	0.033													
V470600		0.07	2.98													
V470601		2.19	<0.001													
V470602		2.24	0.002													
V470603		2.40	0.002													
V470604		2.29	0.007													
V470605		2.26	0.010													
V470606		2.22	0.043													
V470607		2.50	0.023													
V470608		0.07	0.149													
V470609		2.13	0.030													
V470610		2.23	0.071													
V470611		2.24	0.149													
V470612		2.43	0.046													
V470613		1.66	0.021													
V470614		1.32	0.010													
V470615		1.52	0.009													
V470616		1.65	0.004													
V470617		2.13	0.006													
V470618		1.98	0.028													
V470619		2.12	0.001													
V470620		2.14	0.006	0.09	6.84	2.4	730	2.91	0.36	3.33	0.15	96.9	16.2	27	3.80	24.6
V470621		1.17	0.005													
V470622		1.62	0.003													
V470623		1.67	0.004													
V470624		1.18	0.006													
V470625		1.09	0.006													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470586 V470587 V470588 V470589 V470590		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470591 V470592 V470593 V470594 V470595																
V470596 V470597 V470598 V470599 V470600																
V470601 V470602 V470603 V470604 V470605																
V470606 V470607 V470608 V470609 V470610																
V470611 V470612 V470613 V470614 V470615																
V470616 V470617 V470618 V470619 V470620		2.59	20.8	0.16	3.1	0.020	0.86	37.8	89.1	1.01	613	1.81	5.73	7.4	19.2	1240
V470621 V470622 V470623 V470624 V470625																



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V470586 V470587 V470588 V470589 V470590																
V470591 V470592 V470593 V470594 V470595																
V470596 V470597 V470598 V470599 V470600																
V470601 V470602 V470603 V470604 V470605																
V470606 V470607 V470608 V470609 V470610																
V470611 V470612 V470613 V470614 V470615																
V470616 V470617 V470618 V470619 V470620		22.5	30.3	<0.002	0.29	0.44	5.1	1	0.6	1125	0.20	<0.05	4.97	0.213	0.37	1.4
V470621 V470622 V470623 V470624 V470625																



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V470586 V470587 V470588 V470589 V470590						
V470591 V470592 V470593 V470594 V470595						
V470596 V470597 V470598 V470599 V470600						
V470601 V470602 V470603 V470604 V470605						
V470606 V470607 V470608 V470609 V470610						
V470611 V470612 V470613 V470614 V470615						
V470616 V470617 V470618 V470619 V470620		60	0.9	11.0	27	137.5
V470621 V470622 V470623 V470624 V470625						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470626		2.22	0.020													
V470627		2.18	0.004													
V470628		2.28	0.009													
V470629		2.29	0.014													
V470630		2.30	0.035													
V470631		2.13	0.017													
V470632		2.42	0.010													
V470633		2.38	0.006													
V470634		2.23	0.011													
V470635		2.07	0.018													
V470636		2.29	0.027													
V470637		2.43	0.033													
V470638		2.17	0.062													
V470639		2.27	0.018	0.14	5.85	3.8	110	0.72	0.43	5.38	0.08	18.50	64.1	650	7.27	18.7
V470640		0.51	0.001													
V470641		2.23	0.003													
V470642		2.22	0.005													
V470643		2.32	0.017													
V470644		2.29	0.024													
V470645		1.76	0.012													
V470646		2.59	0.007													
V470647		2.17	0.002													
V470648		2.19	0.004													
V470649		2.21	0.007													
V470650		2.23	0.001													
V470651		2.13	0.001													
V470652		2.48	0.003													
V470653		2.06	0.003													
V470654		1.89	0.003													
V470655		1.27	0.002													
V470656		0.07	0.490													
V470657		1.66	0.005													
V470658		1.33	0.002													
V470659		2.05	0.002													
V470660		2.16	0.021	0.08	6.59	8.2	1280	3.25	0.38	7.11	0.37	373	8.5	7	1.28	14.4
V470661		2.05	0.012													
V470662		1.81	0.021													
V470663		1.86	0.003													
V470664		2.00	0.007													
V470665		1.83	0.006													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470626 V470627 V470628 V470629 V470630		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470631 V470632 V470633 V470634 V470635																
V470636 V470637 V470638 V470639 V470640		8.17	12.65	0.08	1.0	0.059	1.10	7.9	98.1	7.70	1510	1.77	1.90	1.9	356	230
V470641 V470642 V470643 V470644 V470645																
V470646 V470647 V470648 V470649 V470650																
V470651 V470652 V470653 V470654 V470655																
V470656 V470657 V470658 V470659 V470660		3.74	21.2	0.35	5.7	0.062	1.18	192.5	154.0	0.70	1240	0.69	5.04	13.9	7.5	1980
V470661 V470662 V470663 V470664 V470665																



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V470626 V470627 V470628 V470629 V470630																
V470631 V470632 V470633 V470634 V470635																
V470636 V470637 V470638 V470639 V470640		6.9	55.8	0.002	0.23	1.00	39.9	<1	0.4	1100	0.10	0.10	0.48	0.376	0.64	0.2
V470641 V470642 V470643 V470644 V470645																
V470646 V470647 V470648 V470649 V470650																
V470651 V470652 V470653 V470654 V470655																
V470656 V470657 V470658 V470659 V470660		20.5	37.2	<0.002	0.29	0.58	3.1	<1	1.2	2770	0.35	<0.05	18.05	0.207	0.20	5.5
V470661 V470662 V470663 V470664 V470665																



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V470626 V470627 V470628 V470629 V470630						
V470631 V470632 V470633 V470634 V470635						
V470636 V470637 V470638 V470639 V470640		216	0.7	15.0	155	36.6
V470641 V470642 V470643 V470644 V470645						
V470646 V470647 V470648 V470649 V470650						
V470651 V470652 V470653 V470654 V470655						
V470656 V470657 V470658 V470659 V470660		76	3.5	29.0	31	288
V470661 V470662 V470663 V470664 V470665						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470666		1.78	0.007													
V470667		1.81	0.015													
V470668		1.79	0.007													
V470669		1.78	0.006													
V470670		1.85	0.006													
V470671		1.80	0.006													
V470672		1.89	0.013													
V470673		<0.02	0.013													
V470674		1.86	0.048													
V470675		1.25	0.055													
V470676		1.02	0.007													
V470677		2.15	0.004													
V470678		2.21	0.006													
V470679		2.11	0.005													
V470680		2.09	0.004	0.29	6.47	2.6	1060	7.21	2.70	3.07	0.37	78.3	9.3	25	0.93	26.5
V470681		2.33	0.004													
V470682		2.08	0.003													
V470683		2.09	0.006													
V470684		2.23	0.004													
V470685		2.17	0.001													
V470686		2.02	0.006													
V470687		2.20	0.004													
V470688		0.48	0.001													
V470689		2.16	0.004													
V470690		2.14	0.005													
V470691		2.14	0.005													
V470692		2.24	0.003													
V470693		1.98	0.008													
V470694		2.30	0.014													
V470695		1.96	0.005													



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CERTIFICATE OF ANALYSIS VO19111117

Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V470666 V470667 V470668 V470669 V470670		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470671 V470672 V470673 V470674 V470675																
V470676 V470677 V470678 V470679 V470680		2.35	28.6	0.15	8.7	0.023	1.78	27.2	132.0	0.77	717	26.8	5.21	16.9	13.0	1060
V470681 V470682 V470683 V470684 V470685																
V470686 V470687 V470688 V470689 V470690																
V470691 V470692 V470693 V470694 V470695																

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
V470666 V470667 V470668 V470669 V470670																				
V470671 V470672 V470673 V470674 V470675																				
V470676 V470677 V470678 V470679 V470680					31.6	40.8	0.011	0.43	0.50	3.9	1	0.8	1645	0.30	0.05	17.15	0.209	0.23	4.6	
V470681 V470682 V470683 V470684 V470685																				
V470686 V470687 V470688 V470689 V470690																				
V470691 V470692 V470693 V470694 V470695																				

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CERTIFICATE OF ANALYSIS VO19111117

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470666 V470667 V470668 V470669 V470670						
V470671 V470672 V470673 V470674 V470675						
V470676 V470677 V470678 V470679 V470680		52	1.3	9.3	59	407
V470681 V470682 V470683 V470684 V470685						
V470686 V470687 V470688 V470689 V470690						
V470691 V470692 V470693 V470694 V470695						



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CERTIFICATE OF ANALYSIS VO19111117

	CERTIFICATE COMMENTS															
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 34%;"></td> </tr> </table>	Au-ICP21	ME-MS61													
Au-ICP21	ME-MS61															



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CERTIFICATE VO1911121

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 190 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470696		2.01	0.006													
V470697		2.07	0.008													
V470698		1.98	0.006													
V470699		2.16	0.003													
V470700		2.10	0.005	0.11	6.44	3.5	1090	2.54	0.63	3.33	0.31	97.0	10.2	21	0.93	65.0
V470701		2.12	0.007													
V470702		2.05	0.005													
V470703		2.24	0.009													
V470704		0.07	3.06													
V470705		2.19	0.008													
V470706		2.15	0.011													
V470707		2.18	0.006													
V470708		2.05	0.008													
V470709		2.17	0.047													
V470710		2.36	0.008													
V470711		1.95	0.008													
V470712		2.18	0.012													
V470713		2.24	0.010													
V470714		2.22	0.009													
V470715		2.26	0.007													
V470716		1.96	0.046													
V470717		2.02	0.063													
V470718		2.12	0.035													
V470719		2.19	0.022													
V470720		1.04	0.006	0.07	6.65	3.0	1070	2.13	0.63	3.24	0.15	103.5	9.5	26	0.56	17.5
V470721		1.05	0.007													
V470722		2.01	0.013													
V470723		1.35	0.005													
V470724		1.44	0.015													
V470725		1.51	0.005													
V470726		2.27	0.005													
V470727		2.20	0.005													
V470728		2.32	0.012													
V470729		2.33	0.011													
V470730		1.79	0.009													
V470731		2.03	0.005													
V470732		2.20	0.036													
V470733		1.38	0.015													
V470734		1.55	0.058													
V470735		1.06	0.009													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470696 V470697 V470698 V470699 V470700		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470701 V470702 V470703 V470704 V470705																
V470706 V470707 V470708 V470709 V470710																
V470711 V470712 V470713 V470714 V470715																
V470716 V470717 V470718 V470719 V470720		2.23	20.3	0.18	3.0	0.014	2.22	36.5	62.7	0.79	610	10.15	4.64	6.2	13.0	1100
V470721 V470722 V470723 V470724 V470725																
V470726 V470727 V470728 V470729 V470730																
V470731 V470732 V470733 V470734 V470735																



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CERTIFICATE OF ANALYSIS VO19111121

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V470696 V470697 V470698 V470699 V470700		45.8	47.6	0.002	0.94	0.61	4.1	1	0.6	1330	0.21	0.05	5.37	0.212	0.27	1.4
V470701 V470702 V470703 V470704 V470705																
V470706 V470707 V470708 V470709 V470710																
V470711 V470712 V470713 V470714 V470715																
V470716 V470717 V470718 V470719 V470720		10.3	34.9	0.006	0.70	1.15	4.2	<1	0.6	1450	0.20	0.06	8.58	0.202	0.18	1.9
V470721 V470722 V470723 V470724 V470725																
V470726 V470727 V470728 V470729 V470730																
V470731 V470732 V470733 V470734 V470735																



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CERTIFICATE OF ANALYSIS VO19111121

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470696 V470697 V470698 V470699 V470700		52	1.1	8.3	43	130.0
V470701 V470702 V470703 V470704 V470705						
V470706 V470707 V470708 V470709 V470710						
V470711 V470712 V470713 V470714 V470715						
V470716 V470717 V470718 V470719 V470720		52	2.2	9.5	53	135.5
V470721 V470722 V470723 V470724 V470725						
V470726 V470727 V470728 V470729 V470730						
V470731 V470732 V470733 V470734 V470735						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470736		0.54	0.002													
V470737		2.31	0.014													
V470738		2.02	0.007													
V470739		2.41	0.025													
V470740		2.25	0.024	0.11	4.10	5.2	10	0.29	0.44	4.84	0.13	7.21	91.5	1100	2.73	99.9
V470741		2.10	0.012													
V470742		2.34	0.028													
V470743		2.26	0.012													
V470744		2.76	0.017													
V470745		2.26	0.009													
V470746		2.28	0.011													
V470747		2.31	0.011													
V470748		2.28	0.007													
V470749		2.36	0.022													
V470750		2.40	0.015													
V470751		1.39	0.006													
V470752		0.07	0.139													
V470753		1.20	0.032													
V470754		1.95	0.242													
V470755		1.67	0.052													
V470756		2.06	0.074													
V470757		2.17	0.099													
V470758		2.16	0.137													
V470759		2.29	0.288													
V470760		2.19	0.586	0.19	4.60	3.9	900	0.48	0.56	5.94	0.17	18.55	14.2	46	0.26	38.3
V470761		2.20	1.335													
V470762		2.22	1.810													
V470763		2.08	0.711													
V470764		2.28	0.864													
V470765		2.21	2.67													
V470766		2.26	1.325													
V470767		1.45	0.471													
V470768		1.57	0.039													
V470769		<0.02	0.067													
V470770		1.56	0.011													
V470771		2.36	0.010													
V470772		2.32	0.008													
V470773		2.41	0.004													
V470774		2.49	0.008													
V470775		2.14	0.008													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470736 V470737 V470738 V470739 V470740		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470741 V470742 V470743 V470744 V470745																
V470746 V470747 V470748 V470749 V470750																
V470751 V470752 V470753 V470754 V470755																
V470756 V470757 V470758 V470759 V470760		7.94	8.72	0.06	0.5	0.035	0.13	3.0	63.3	11.80	1230	0.45	0.78	0.6	680	160
V470761 V470762 V470763 V470764 V470765																
V470766 V470767 V470768 V470769 V470770																
V470771 V470772 V470773 V470774 V470775		4.12	10.30	0.08	1.6	0.047	1.23	7.0	5.2	0.61	1440	1.11	3.04	2.7	24.3	350



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V470736 V470737 V470738 V470739 V470740		5.4	8.7	<0.002	0.25	1.14	25.8	<1	0.2	156.0	<0.05	0.06	0.22	0.156	0.11	<0.1
V470741 V470742 V470743 V470744 V470745																
V470746 V470747 V470748 V470749 V470750																
V470751 V470752 V470753 V470754 V470755																
V470756 V470757 V470758 V470759 V470760		6.1	20.6	<0.002	0.62	1.74	11.3	<1	0.7	1750	0.13	0.38	0.77	0.209	0.08	0.3
V470761 V470762 V470763 V470764 V470765																
V470766 V470767 V470768 V470769 V470770																
V470771 V470772 V470773 V470774 V470775																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470736 V470737 V470738 V470739 V470740		137	0.2	7.9	289	16.3
V470741 V470742 V470743 V470744 V470745						
V470746 V470747 V470748 V470749 V470750						
V470751 V470752 V470753 V470754 V470755						
V470756 V470757 V470758 V470759 V470760		124	20.2	6.7	51	61.8
V470761 V470762 V470763 V470764 V470765						
V470766 V470767 V470768 V470769 V470770						
V470771 V470772 V470773 V470774 V470775						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470776		2.29	0.013													
V470777		2.37	0.025													
V470778		2.49	0.011													
V470779		2.26	0.011													
V470780		2.21	0.020	0.20	6.28	10.9	190	2.04	1.13	7.61	0.12	43.5	43.1	57	5.10	128.0
V470781		2.18	0.017													
V470782		2.30	0.038													
V470783		2.30	0.181													
V470784		0.55	0.002													
V470785		1.66	0.023													
V470786		2.29	0.196													
V470787		2.20	0.009													
V470788		2.36	0.016													
V470789		2.50	0.062													
V470790		2.38	0.016													
V470791		2.19	0.015													
V470792		2.22	0.239													
V470793		2.43	0.008													
V470794		2.30	0.018													
V470795		2.16	0.016													
V470796		2.38	0.020													
V470797		2.48	0.023													
V470798		2.34	0.015													
V470799		2.20	0.028	0.07	7.62	4.8	120	0.67	0.14	8.36	0.13	20.3	26.5	100	0.31	80.0
V470800		0.07	0.514													
V470801		2.32	0.007													
V470802		2.01	0.046													
V470803		2.14	0.009													
V470804		2.28	0.011													
V470805		2.36	0.021													
V470806		2.30	0.010													
V470807		2.71	0.015													
V470808		0.07	3.03													
V470809		2.51	0.041													
V470810		2.10	0.043													
V470811		1.92	0.024													
V470812		2.32	0.104													
V470813		1.85	0.021													
V470814		2.37	0.019													
V470815		2.40	0.017													



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		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
V470776 V470777 V470778 V470779 V470780		7.88	17.55	0.10	2.0	0.058	1.01	20.5	135.0	2.35	2350	1.65	3.12	5.1	41.5	560
V470781 V470782 V470783 V470784 V470785																
V470786 V470787 V470788 V470789 V470790																
V470791 V470792 V470793 V470794 V470795																
V470796 V470797 V470798 V470799 V470800		10.05	20.2	0.09	1.6	0.098	0.26	7.1	23.1	2.33	2270	0.41	2.31	4.1	51.3	600
V470801 V470802 V470803 V470804 V470805																
V470806 V470807 V470808 V470809 V470810																
V470811 V470812 V470813 V470814 V470815																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
V470776 V470777 V470778 V470779 V470780		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V470781 V470782 V470783 V470784 V470785		5.7	62.9	0.004	1.57	0.71	41.2	1	0.8	607	0.24	0.17	0.87	0.812	0.44	0.5
V470786 V470787 V470788 V470789 V470790																
V470791 V470792 V470793 V470794 V470795																
V470796 V470797 V470798 V470799 V470800		12.9	8.7	0.004	0.04	1.69	49.1	<1	0.7	901	0.25	<0.05	0.49	0.939	0.05	0.1
V470801 V470802 V470803 V470804 V470805																
V470806 V470807 V470808 V470809 V470810																
V470811 V470812 V470813 V470814 V470815																



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V470776 V470777 V470778 V470779 V470780		318	4.1	31.4	143	76.2
V470781 V470782 V470783 V470784 V470785						
V470786 V470787 V470788 V470789 V470790						
V470791 V470792 V470793 V470794 V470795						
V470796 V470797 V470798 V470799 V470800		392	1.2	31.3	130	70.3
V470801 V470802 V470803 V470804 V470805						
V470806 V470807 V470808 V470809 V470810						
V470811 V470812 V470813 V470814 V470815						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470816		2.43	0.026													
V470817		2.11	0.037													
V470818		2.11	0.037													
V470819		2.20	0.009													
V470820		2.15	0.024	0.03	7.39	7.7	60	0.74	0.21	10.65	0.10	13.20	35.5	97	0.28	74.2
V470821		2.30	0.016													
V470822		2.21	0.015													
V470823		2.17	0.025													
V470824		1.14	0.023													
V470825		1.15	0.037													
V470826		2.15	0.088													
V470827		2.16	0.025													
V470828		2.15	0.009													
V470829		2.40	0.055													
V470830		2.13	0.014													
V470831		2.25	0.021													
V470832		2.11	0.006													
V470833		2.16	0.421													
V470834		2.21	0.007													
V470835		2.24	0.006													
V470836		2.25	0.009													
V470837		2.08	0.014													
V470838		2.05	0.072													
V470839		1.90	0.085													
V470840		0.52	0.002													
V470841		1.93	0.021	0.18	6.87	17.2	160	0.64	1.43	8.17	0.07	19.60	40.6	91	1.94	97.0
V470842		2.52	0.060													
V470843		2.13	0.077													
V470844		1.91	0.019													
V470845		2.14	0.035													
V470846		2.28	0.010													
V470847		2.19	0.005													
V470848		1.85	0.020													
V470849		1.53	0.021													
V470850		1.23	0.011													
V470851		1.38	0.002													
V470852		1.90	0.001													
V470853		2.11	0.010													
V470854		1.97	0.001													
V470855		1.89	0.001													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470816 V470817 V470818 V470819 V470820		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470821 V470822 V470823 V470824 V470825																
V470826 V470827 V470828 V470829 V470830																
V470831 V470832 V470833 V470834 V470835																
V470836 V470837 V470838 V470839 V470840																
V470841 V470842 V470843 V470844 V470845		7.76	17.90	0.09	1.5	0.067	0.48	7.3	109.0	2.84	2670	0.74	2.39	3.7	80.4	430
V470846 V470847 V470848 V470849 V470850																
V470851 V470852 V470853 V470854 V470855																



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V470816 V470817 V470818 V470819 V470820		10.8	6.3	<0.002	0.06	2.50	38.6	1	0.6	653	0.19	<0.05	0.40	0.747	0.04	0.1
V470821 V470822 V470823 V470824 V470825																
V470826 V470827 V470828 V470829 V470830																
V470831 V470832 V470833 V470834 V470835																
V470836 V470837 V470838 V470839 V470840																
V470841 V470842 V470843 V470844 V470845		4.0	20.2	0.003	0.65	0.85	36.9	1	0.7	313	0.20	0.10	0.45	0.703	0.15	0.1
V470846 V470847 V470848 V470849 V470850																
V470851 V470852 V470853 V470854 V470855																



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V470816 V470817 V470818 V470819 V470820		297	0.8	31.4	140	55.0
V470821 V470822 V470823 V470824 V470825						
V470826 V470827 V470828 V470829 V470830						
V470831 V470832 V470833 V470834 V470835						
V470836 V470837 V470838 V470839 V470840						
V470841 V470842 V470843 V470844 V470845		284	1.6	30.3	234	63.2
V470846 V470847 V470848 V470849 V470850						
V470851 V470852 V470853 V470854 V470855						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
V470856		0.07	0.145													
V470857		1.89	0.001													
V470858		2.12	<0.001													
V470859		1.88	0.003													
V470860		1.91	0.003	0.07	5.77	6.5	70	0.27	0.04	6.14	0.07	9.06	61.7	542	0.53	69.7
V470861		1.81	0.003													
V470862		2.04	0.006													
V470863		1.86	0.008													
V470864		2.05	0.009													
V470865		2.09	0.001													
V470866		2.28	0.002													
V470867		2.31	0.002													
V470868		2.51	0.001													
V470869		1.89	0.012													
V470870		1.93	0.042													
V470871		1.68	0.013													
V470872		1.87	0.009													
V470873		<0.02	0.008													
V470874		1.61	0.007													
V470875		1.59	0.013													
V470876		1.76	0.045													
V470877		1.16	0.059													
V470878		1.75	0.008													
V470879		1.91	0.015													
V470880		1.64	0.005	0.14	6.88	13.6	60	0.28	0.03	6.25	0.12	6.95	49.4	216	0.59	91.2
V470881		1.65	0.130													
V470882		1.86	0.006													
V470883		1.84	0.005													
V470884		1.89	0.008													
V470885		1.73	0.014													



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V470856 V470857 V470858 V470859 V470860		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470861 V470862 V470863 V470864 V470865																
V470866 V470867 V470868 V470869 V470870																
V470871 V470872 V470873 V470874 V470875																
V470876 V470877 V470878 V470879 V470880		7.92	14.80	0.07	1.2	0.047	0.29	2.3	53.0	5.05	1130	0.19	2.40	1.7	97.9	230
V470881 V470882 V470883 V470884 V470885																

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



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CERTIFICATE OF ANALYSIS VO19111121

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V470856 V470857 V470858 V470859 V470860		3.4	1.7	<0.002	0.10	0.41	33.4	<1	0.4	278	0.09	0.05	0.32	0.375	0.02	0.1
V470861 V470862 V470863 V470864 V470865																
V470866 V470867 V470868 V470869 V470870																
V470871 V470872 V470873 V470874 V470875																
V470876 V470877 V470878 V470879 V470880		2.9	7.3	0.002	0.07	0.39	44.0	<1	0.4	157.5	0.10	<0.05	0.22	0.425	0.05	0.1
V470881 V470882 V470883 V470884 V470885																



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CERTIFICATE OF ANALYSIS VO19111121

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470856 V470857 V470858 V470859 V470860		224	0.3	13.2	111	33.0
V470861 V470862 V470863 V470864 V470865						
V470866 V470867 V470868 V470869 V470870						
V470871 V470872 V470873 V470874 V470875						
V470876 V470877 V470878 V470879 V470880		254	0.4	15.0	66	42.8
V470881 V470882 V470883 V470884 V470885						



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CERTIFICATE OF ANALYSIS VO19111121

CERTIFICATE COMMENTS																
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada															
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.															
	Au-ICP21 ME-MS61															



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CERTIFICATE VO1911127

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 190 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 7-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470886		1.87	0.002													
V470887		1.85	0.003													
V470888		0.49	0.002													
V470889		1.75	0.001													
V470890		1.83	<0.001													
V470891		1.82	0.002													
V470892		1.90	0.001													
V470893		1.81	0.003													
V470894		1.73	0.007													
V470895		1.77	0.179													
V470896		1.98	0.107													
V470897		1.49	0.068													
V470898		1.49	0.011													
V470899		1.70	0.022													
V470900		1.79	0.073	0.05	7.59	2.2	50	0.30	0.14	6.37	0.09	6.13	42.5	351	1.59	133.0
V470901		1.48	0.052													
V470902		1.73	0.016													
V470903		1.79	0.009													
V470904		0.07	0.562													
V470905		1.49	0.020													
V470906		1.76	0.004													
V470907		1.75	0.048													
V470908		1.10	0.018													
V470909		1.03	0.054													
V470910		1.40	0.015													
V470911		1.28	0.016													
V470912		0.94	0.212													
V470913		1.33	0.031													
V470914		1.57	0.012													
V470915		1.68	0.341													
V470916		1.46	0.177													
V470917		1.64	0.262													
V470918		0.95	1.205	0.16	6.57	3.1	490	1.85	0.70	3.28	0.21	120.0	9.9	23	0.27	5.6
V470919		1.01	0.840													
V470920		0.54	0.172													
V470921		0.74	0.067													
V470922		1.84	0.199													
V470923		1.85	0.005													
V470924		1.73	0.013													
V470925		1.80	0.171													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V470886 V470887 V470888 V470889 V470890		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470891 V470892 V470893 V470894 V470895																
V470896 V470897 V470898 V470899 V470900		6.29	13.10	0.09	1.0	0.045	0.36	2.3	58.9	4.32	1140	2.28	3.45	1.6	80.9	230
V470901 V470902 V470903 V470904 V470905																
V470906 V470907 V470908 V470909 V470910																
V470911 V470912 V470913 V470914 V470915																
V470916 V470917 V470918 V470919 V470920		2.00	18.85	0.22	2.6	0.012	1.13	58.0	4.3	0.71	724	1.55	5.83	5.6	13.1	1360
V470921 V470922 V470923 V470924 V470925																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
V470886 V470887 V470888 V470889 V470890																
V470891 V470892 V470893 V470894 V470895																
V470896 V470897 V470898 V470899 V470900		3.3	11.3	0.016	0.16	0.37	38.9	1	0.4	265	0.09	<0.05	0.22	0.393	0.08	0.1
V470901 V470902 V470903 V470904 V470905																
V470906 V470907 V470908 V470909 V470910																
V470911 V470912 V470913 V470914 V470915																
V470916 V470917 V470918 V470919 V470920		9.3	10.1	<0.002	0.81	1.52	3.4	<1	0.5	606	0.19	0.20	4.08	0.171	0.08	1.0
V470921 V470922 V470923 V470924 V470925																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470886 V470887 V470888 V470889 V470890						
V470891 V470892 V470893 V470894 V470895						
V470896 V470897 V470898 V470899 V470900		210	0.4	14.7	119	35.4
V470901 V470902 V470903 V470904 V470905						
V470906 V470907 V470908 V470909 V470910						
V470911 V470912 V470913 V470914 V470915						
V470916 V470917 V470918 V470919 V470920		29	18.3	10.2	18	123.0
V470921 V470922 V470923 V470924 V470925						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470926		1.82	0.187													
V470927		1.76	0.040													
V470928		2.05	0.068													
V470929		1.70	0.078													
V470930		1.27	0.019													
V470931		1.16	0.019													
V470932		0.92	0.010													
V470933		0.98	0.018													
V470934		1.76	0.032													
V470935		1.71	0.017													
V470936		0.46	0.002													
V470937		1.84	0.007													
V470938		1.70	0.013													
V470939		1.82	0.023	0.12	7.46	13.1	120	1.14	0.23	8.71	0.07	31.3	42.8	144	5.76	152.0
V470940		1.09	0.041													
V470941		0.58	0.001													
V470942		1.70	0.021													
V470943		1.27	0.084													
V470944		1.75	0.180													
V470945		1.75	0.057													
V470946		1.09	0.013													
V470947		1.65	0.133													
V470948		1.50	0.085													
V470949		1.66	0.226													
V470950		1.57	0.121													
V470951		1.57	0.412													
V470952		0.07	2.97													
V470953		1.53	0.200													
V470954		1.56	0.099													
V470955		1.56	0.125													
V470956		1.67	0.035													
V470957		1.71	0.079													
V470958		1.83	1.990													
V470959		1.84	4.35													
V470960		1.78	1.550	1.36	7.10	10.9	300	1.54	25.4	2.70	0.32	74.4	12.1	21	0.41	216
V470961		1.74	0.237													
V470962		2.04	1.395													
V470963		1.67	0.143													
V470964		1.94	0.719													
V470965		1.92	0.169													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V470926 V470927 V470928 V470929 V470930		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470931 V470932 V470933 V470934 V470935																
V470936 V470937 V470938 V470939 V470940		8.28	14.70	0.10	0.8	0.061	1.42	14.1	114.0	3.28	1530	0.62	2.61	2.9	129.5	240
V470941 V470942 V470943 V470944 V470945																
V470946 V470947 V470948 V470949 V470950																
V470951 V470952 V470953 V470954 V470955																
V470956 V470957 V470958 V470959 V470960		2.75	21.7	0.16	2.5	0.018	0.56	31.9	9.1	0.61	673	24.7	5.86	9.3	16.6	720
V470961 V470962 V470963 V470964 V470965																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V470926 V470927 V470928 V470929 V470930																
V470931 V470932 V470933 V470934 V470935																
V470936 V470937 V470938 V470939 V470940		2.6	67.7	<0.002	0.39	1.85	37.9	1	0.5	490	0.09	0.11	1.19	0.453	0.43	0.3
V470941 V470942 V470943 V470944 V470945																
V470946 V470947 V470948 V470949 V470950																
V470951 V470952 V470953 V470954 V470955																
V470956 V470957 V470958 V470959 V470960		41.8	9.5	0.019	1.68	7.08	4.1	2	0.3	512	0.13	15.55	4.41	0.131	0.07	1.5
V470961 V470962 V470963 V470964 V470965																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470926 V470927 V470928 V470929 V470930						
V470931 V470932 V470933 V470934 V470935						
V470936 V470937 V470938 V470939 V470940		243	1.4	16.7	180	43.0
V470941 V470942 V470943 V470944 V470945						
V470946 V470947 V470948 V470949 V470950						
V470951 V470952 V470953 V470954 V470955						
V470956 V470957 V470958 V470959 V470960		26	13.4	7.0	57	108.0
V470961 V470962 V470963 V470964 V470965						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V470966		2.09	0.080													
V470967		1.36	0.031													
V470968		1.64	0.006													
V470969		<0.02	0.007													
V470970		1.68	0.006													
V470971		1.70	0.146													
V470972		1.52	0.190													
V470973		1.71	0.043													
V470974		1.64	0.195													
V470975		1.67	0.632													
V470976		1.78	2.41													
V470977		1.70	0.412													
V470978		1.53	4.15													
V470979		1.62	0.248													
V470980		1.76	0.257	0.11	6.58	4.5	520	1.46	0.22	2.72	0.13	33.7	5.9	23	0.73	23.9
V470981		1.84	0.043													
V470982		1.65	0.063													
V470983		1.65	0.045													
V470984		0.50	<0.001													
V470985		0.91	0.010													
V470986		1.38	0.070													
V470987		1.29	0.357													
V470988		1.71	0.030													
V470989		1.93	0.033													
V470990		1.86	0.090													
V470991		1.95	0.027													
V470992		1.87	0.097													
V470993		1.95	0.042													
V470994		1.76	0.018													
V470995		1.89	1.790													
V470996		1.92	0.092													
V470997		1.85	1.035													
V470998		1.87	0.034													
V470999		1.88	0.808	0.30	7.27	16.9	80	0.75	0.69	6.63	0.09	17.35	46.0	116	1.89	83.0
V471000		0.07	0.143													
V471001		1.76	0.036													
V471002		1.84	0.015													
V471003		1.76	0.007													
V471004		1.79	0.011													
V471005		1.96	0.012													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V470966 V470967 V470968 V470969 V470970		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V470971 V470972 V470973 V470974 V470975																
V470976 V470977 V470978 V470979 V470980		1.66	19.70	0.17	2.3	0.024	1.67	14.5	33.4	0.56	681	2.13	4.69	3.1	16.0	520
V470981 V470982 V470983 V470984 V470985																
V470986 V470987 V470988 V470989 V470990																
V470991 V470992 V470993 V470994 V470995																
V470996 V470997 V470998 V470999 V471000		9.62	17.20	0.09	1.7	0.106	0.47	6.3	56.9	3.07	1550	0.54	2.13	3.6	74.9	530
V471001 V471002 V471003 V471004 V471005																



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V470966 V470967 V470968 V470969 V470970																
V470971 V470972 V470973 V470974 V470975																
V470976 V470977 V470978 V470979 V470980		10.0	33.6	<0.002	0.23	2.70	3.9	1	0.4	596	0.17	0.08	2.36	0.170	0.17	1.0
V470981 V470982 V470983 V470984 V470985																
V470986 V470987 V470988 V470989 V470990																
V470991 V470992 V470993 V470994 V470995																
V470996 V470997 V470998 V470999 V471000		16.4	23.8	0.003	1.51	9.08	40.2	1	0.7	559	0.22	0.29	0.53	0.758	0.17	0.1
V471001 V471002 V471003 V471004 V471005																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V470966 V470967 V470968 V470969 V470970						
V470971 V470972 V470973 V470974 V470975						
V470976 V470977 V470978 V470979 V470980		46	12.8	4.4	38	90.6
V470981 V470982 V470983 V470984 V470985						
V470986 V470987 V470988 V470989 V470990						
V470991 V470992 V470993 V470994 V470995						
V470996 V470997 V470998 V470999 V471000		306	2.9	30.3	264	71.7
V471001 V471002 V471003 V471004 V471005						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471006		1.75	0.059													
V471007		1.57	0.292													
V471008		0.07	0.143													
V471009		1.80	6.22													
V471010		1.06	0.290													
V471011		0.92	0.417													
V471012		1.83	0.037													
V471013		1.86	0.020													
V471014		1.71	0.661													
V471015		1.79	0.565													
V471016		2.04	0.081													
V471017		1.83	0.641													
V471018		1.80	0.164													
V471019		1.76	0.125													
V471020		1.85	0.365													
V471021		1.84	0.350	0.42	6.23	11.0	540	1.99	2.32	3.63	0.24	51.1	6.9	24	0.47	77.6
V471022		1.69	0.048													
V471023		1.77	0.043													
V471024		0.83	0.005													
V471025		0.75	0.006													
V471026		1.92	0.011													
V471027		1.91	0.032													
V471028		1.71	0.039													
V471029		1.89	0.998													
V471030		1.92	0.069													
V471031		1.82	0.022													
V471032		2.02	0.034													
V471033		1.85	0.059													
V471034		1.27	0.051													
V471035		1.28	0.028													
V471036		1.38	1.130													
V471037		2.04	0.102													
V471038		1.70	0.127													
V471039		1.92	0.512	0.22	7.72	1850	750	0.90	0.37	7.87	0.10	7.26	30.3	66	1.52	121.0
V471040		0.64	0.002													
V471041		1.95	0.034													
V471042		1.94	0.196													
V471043		2.05	0.821													
V471044		1.93	0.072													
V471045		2.08	0.018													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471006 V471007 V471008 V471009 V471010		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471011 V471012 V471013 V471014 V471015																
V471016 V471017 V471018 V471019 V471020																
V471021 V471022 V471023 V471024 V471025		2.91	20.1	0.13	2.2	0.021	0.69	20.5	15.7	0.71	783	631	5.13	18.9	15.3	940
V471026 V471027 V471028 V471029 V471030																
V471031 V471032 V471033 V471034 V471035																
V471036 V471037 V471038 V471039 V471040		6.61	16.30	0.09	1.3	0.064	2.10	2.9	48.0	1.15	1640	0.66	1.85	2.5	22.5	370
V471041 V471042 V471043 V471044 V471045																



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		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
V471006 V471007 V471008 V471009 V471010																
V471011 V471012 V471013 V471014 V471015																
V471016 V471017 V471018 V471019 V471020																
V471021 V471022 V471023 V471024 V471025		19.4	12.7	0.888	0.81	3.87	5.5	1	0.4	755	0.13	0.36	2.08	0.128	0.11	2.3
V471026 V471027 V471028 V471029 V471030																
V471031 V471032 V471033 V471034 V471035																
V471036 V471037 V471038 V471039 V471040		5.8	65.1	0.002	1.34	4.60	41.5	1	0.6	544	0.15	0.28	0.25	0.589	0.32	0.1
V471041 V471042 V471043 V471044 V471045																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471006 V471007 V471008 V471009 V471010						
V471011 V471012 V471013 V471014 V471015						
V471016 V471017 V471018 V471019 V471020						
V471021 V471022 V471023 V471024 V471025		89	6.3	5.5	63	87.1
V471026 V471027 V471028 V471029 V471030						
V471031 V471032 V471033 V471034 V471035						
V471036 V471037 V471038 V471039 V471040		296	4.8	7.2	85	46.3
V471041 V471042 V471043 V471044 V471045						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471046		2.11	0.050													
V471047		2.15	0.067													
V471048		2.38	0.520													
V471049		2.08	0.692													
V471050		2.05	0.041													
V471051		2.33	0.111													
V471052		2.23	0.037													
V471053		2.20	0.004													
V471054		2.25	0.011													
V471055		1.83	0.044													
V471056		0.07	0.507													
V471057		2.18	0.309													
V471058		2.22	0.079	0.21	6.25	32.8	180	0.55	0.43	9.03	0.09	23.8	47.9	59	0.69	143.5
V471059		2.26	0.010													
V471060		2.44	0.010													
V471061		2.24	0.069													
V471062		2.35	0.012													
V471063		2.22	2.03													
V471064		2.04	0.034													
V471065		2.22	0.143													
V471066		2.13	0.048													
V471067		2.21	0.025													
V471068		2.18	0.014													
V471069		2.24	0.005													
V471070		2.32	0.029													
V471071		2.13	0.049													
V471072		2.27	0.040													
V471073		<0.02	0.054													
V471074		2.50	0.043													
V471075		2.01	0.021													



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V471046 V471047 V471048 V471049 V471050		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471051 V471052 V471053 V471054 V471055																
V471056 V471057 V471058 V471059 V471060		9.59	13.20	0.09	1.1	0.051	0.59	10.0	58.4	2.73	2940	0.52	1.35	3.0	35.8	300
V471061 V471062 V471063 V471064 V471065																
V471066 V471067 V471068 V471069 V471070																
V471071 V471072 V471073 V471074 V471075																

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



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V471046 V471047 V471048 V471049 V471050																
V471051 V471052 V471053 V471054 V471055																
V471056 V471057 V471058 V471059 V471060		3.5	21.4	0.002	1.47	2.67	38.0	1	0.3	349	0.12	0.17	0.44	0.444	0.11	0.3
V471061 V471062 V471063 V471064 V471065																
V471066 V471067 V471068 V471069 V471070																
V471071 V471072 V471073 V471074 V471075																



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V471046 V471047 V471048 V471049 V471050						
V471051 V471052 V471053 V471054 V471055						
V471056 V471057 V471058 V471059 V471060		226	16.4	10.0	120	39.4
V471061 V471062 V471063 V471064 V471065						
V471066 V471067 V471068 V471069 V471070						
V471071 V471072 V471073 V471074 V471075						



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	CERTIFICATE COMMENTS															
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 34%;"></td> </tr> </table>	Au-ICP21	ME-MS61													
Au-ICP21	ME-MS61															



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CERTIFICATE VO19115620

Project: DOUAY
 P.O. No.: MGM1906
 This report is for 176 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61		
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
	LOD	0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
A0101664		1.93	0.388														
A0101665		2.78	0.500														
A0101666		2.51	0.403														
A0101667		2.11	0.601														
A0101668		2.37	0.315														
A0101669		2.54	3.45														
A0101670		2.44	0.149														
A0101671		2.60	0.022														
A0101672		2.40	0.266														
A0101673		<0.02	0.273														
A0101674		2.51	0.515														
A0101675		2.38	0.076														
A0101676		2.16	0.140														
A0101677		2.33	1.855														
A0101678		2.25	0.236														
A0101679		2.20	0.023														
A0101680		2.35	0.621	1.15	1.28	129.5	20	4.60	0.31	22.4	0.15	>500	38.7	3	1.32	372	
A0101681		2.16	0.252														
A0101682		2.13	0.203														
A0101683		2.16	0.443														
A0101684		2.15	0.740														
A0101685		1.87	0.108														
A0101686		2.40	1.690														
A0101687		2.36	4.33														
A0101688		0.44	0.032														
A0101689		2.32	0.675														
A0101690		2.29	0.556														
A0101691		2.45	0.702														
A0101692		2.32	0.849														
A0101693		2.32	4.31														
A0101694		2.41	9.74														
A0101695		2.10	0.106														
A0101696		2.57	0.144														
A0101697		2.12	0.162														
A0101698		2.29	1.165														
A0101699		2.27	0.304														
A0101700		2.19	0.597	5.56	4.26	160.0	150	1.63	0.04	13.90	0.31	>500	20.5	23	2.77	162.0	
A0101701		2.16	0.180														
A0101702		2.45	1.070														
A0101703		2.32	1.560														



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101664 A0101665 A0101666 A0101667 A0101668		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101669 A0101670 A0101671 A0101672 A0101673																
A0101674 A0101675 A0101676 A0101677 A0101678																
A0101679 A0101680 A0101681 A0101682 A0101683		9.29	15.10	1.82	0.3	0.102	0.07	339	36.8	1.61	1440	0.78	0.03	12.8	8.0	>10000
A0101684 A0101685 A0101686 A0101687 A0101688																
A0101689 A0101690 A0101691 A0101692 A0101693																
A0101694 A0101695 A0101696 A0101697 A0101698																
A0101699 A0101700 A0101701 A0101702 A0101703		6.13	14.20	0.74	1.2	0.074	4.92	163.0	12.1	2.04	1660	0.10	0.45	22.8	15.8	>10000



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101664 A0101665 A0101666 A0101667 A0101668																
A0101669 A0101670 A0101671 A0101672 A0101673																
A0101674 A0101675 A0101676 A0101677 A0101678																
A0101679 A0101680 A0101681 A0101682 A0101683		19.3	7.0	0.005	3.10	7.79	1.5	4	0.8	2440	0.06	0.75	60.7	0.217	0.10	3.7
A0101684 A0101685 A0101686 A0101687 A0101688																
A0101689 A0101690 A0101691 A0101692 A0101693																
A0101694 A0101695 A0101696 A0101697 A0101698																
A0101699 A0101700 A0101701 A0101702 A0101703		13.6	237	<0.002	2.12	39.6	3.3	2	0.5	1470	3.35	0.40	17.55	0.285	0.67	1.7



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		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	SiO2 % 0.01	Al2O3 % 0.01	Fe2O3 % 0.01	CaO % 0.01	MgO % 0.01	Na2O % 0.01	K2O % 0.01	Cr2O3 % 0.002	TiO2 % 0.01	MnO % 0.01
A0101664 A0101665 A0101666 A0101667 A0101668																
A0101669 A0101670 A0101671 A0101672 A0101673																
A0101674 A0101675 A0101676 A0101677 A0101678																
A0101679 A0101680 A0101681 A0101682 A0101683		380	24.1	98.3	48	71.5	19.35	2.31	13.35	31.1	2.93	0.04	0.10	0.002	0.93	0.21
A0101684 A0101685 A0101686 A0101687 A0101688																
A0101689 A0101690 A0101691 A0101692 A0101693																
A0101694 A0101695 A0101696 A0101697 A0101698																
A0101699 A0101700 A0101701 A0101702 A0101703		175	27.6	38.9	54	97.2										



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	Method Analyte Units LOD	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description		0.01	0.01	0.01	0.01	0.01
A0101664 A0101665 A0101666 A0101667 A0101668						
A0101669 A0101670 A0101671 A0101672 A0101673						
A0101674 A0101675 A0101676 A0101677 A0101678						
A0101679 A0101680 A0101681 A0101682 A0101683		9.58	0.27	<0.01	11.00	91.17
A0101684 A0101685 A0101686 A0101687 A0101688						
A0101689 A0101690 A0101691 A0101692 A0101693						
A0101694 A0101695 A0101696 A0101697 A0101698						
A0101699 A0101700 A0101701 A0101702 A0101703						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101704		0.07	3.04													
A0101705		2.29	1.240													
A0101706		2.13	1.845													
A0101707		2.29	0.080													
A0101708		2.10	0.006													
A0101709		2.18	0.017													
A0101710		2.05	0.017													
A0101711		1.10	0.023													
A0101712		1.03	0.015													
A0101713		1.54	0.012													
A0101714		2.02	0.004													
A0101715		2.25	0.005													
A0101716		2.30	0.003													
A0101717		2.30	0.007													
A0101718		2.17	0.005													
A0101719		2.32	0.005													
A0101720		0.99	0.031	0.16	7.27	74.5	680	0.96	0.73	5.19	0.09	77.3	35.8	150	3.51	68.3
A0101721		1.15	0.008													
A0101722		2.45	0.005													
A0101723		2.36	0.005													
A0101724		2.24	0.005													
A0101725		2.27	0.007													
A0101726		2.21	0.039													
A0101727		2.07	0.012													
A0101728		2.36	0.007													
A0101729		2.20	0.013													
A0101730		2.34	0.008													
A0101731		2.14	0.007													
A0101732		2.27	0.005													
A0101733		2.26	0.008													
A0101734		2.28	0.009													
A0101735		2.31	0.014													
A0101736		0.46	0.001													
A0101737		2.37	0.005													
A0101738		2.48	0.014													
A0101739		2.31	0.007													
A0101740		2.43	0.004													
A0101741		2.01	0.005	0.08	8.24	37.7	680	1.63	0.32	2.40	0.02	60.1	17.6	80	1.77	26.6
A0101742		2.24	0.004													
A0101743		2.23	0.032													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101704 A0101705 A0101706 A0101707 A0101708		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101709 A0101710 A0101711 A0101712 A0101713																
A0101714 A0101715 A0101716 A0101717 A0101718																
A0101719 A0101720 A0101721 A0101722 A0101723		6.90	17.70	0.15	2.6	0.048	0.89	46.8	40.1	2.41	1020	3.46	4.21	6.5	116.0	520
A0101724 A0101725 A0101726 A0101727 A0101728																
A0101729 A0101730 A0101731 A0101732 A0101733																
A0101734 A0101735 A0101736 A0101737 A0101738																
A0101739 A0101740 A0101741 A0101742 A0101743		3.43	22.2	0.14	3.9	0.028	1.65	27.2	45.8	1.65	460	2.15	4.49	4.5	73.7	950



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		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
A0101704 A0101705 A0101706 A0101707 A0101708																
A0101709 A0101710 A0101711 A0101712 A0101713																
A0101714 A0101715 A0101716 A0101717 A0101718																
A0101719 A0101720 A0101721 A0101722 A0101723		20.7	41.9	<0.002	2.14	4.87	18.9	1	0.8	1310	0.23	0.12	1.89	0.754	0.40	1.1
A0101724 A0101725 A0101726 A0101727 A0101728																
A0101729 A0101730 A0101731 A0101732 A0101733																
A0101734 A0101735 A0101736 A0101737 A0101738																
A0101739 A0101740 A0101741 A0101742 A0101743		7.9	44.3	<0.002	1.09	2.25	9.6	<1	0.6	777	0.25	0.09	3.93	0.411	0.29	1.0



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		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	SiO2 % 0.01	Al2O3 % 0.01	Fe2O3 % 0.01	CaO % 0.01	MgO % 0.01	Na2O % 0.01	K2O % 0.01	Cr2O3 % 0.002	TiO2 % 0.01	MnO % 0.01
A0101704 A0101705 A0101706 A0101707 A0101708																
A0101709 A0101710 A0101711 A0101712 A0101713																
A0101714 A0101715 A0101716 A0101717 A0101718																
A0101719 A0101720 A0101721 A0101722 A0101723		158	1.9	17.6	101	98.1										
A0101724 A0101725 A0101726 A0101727 A0101728																
A0101729 A0101730 A0101731 A0101732 A0101733																
A0101734 A0101735 A0101736 A0101737 A0101738																
A0101739 A0101740 A0101741 A0101742 A0101743		85	2.1	9.6	87	157.5										



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	Method Analyte Units LOD	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description		0.01	0.01	0.01	0.01	0.01
A0101704 A0101705 A0101706 A0101707 A0101708						
A0101709 A0101710 A0101711 A0101712 A0101713						
A0101714 A0101715 A0101716 A0101717 A0101718						
A0101719 A0101720 A0101721 A0101722 A0101723						
A0101724 A0101725 A0101726 A0101727 A0101728						
A0101729 A0101730 A0101731 A0101732 A0101733						
A0101734 A0101735 A0101736 A0101737 A0101738						
A0101739 A0101740 A0101741 A0101742 A0101743						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101744		2.57	0.021													
A0101745		2.41	0.015													
A0101746		2.15	0.007													
A0101747		2.31	0.005													
A0101748		2.14	0.007													
A0101749		2.18	0.009													
A0101750		2.27	0.008													
A0101751		2.10	0.012													
A0101752		0.07	0.128													
A0101753		2.27	0.065													
A0101754		2.32	0.019													
A0101755		2.43	0.041													
A0101756		2.25	0.016													
A0101757		2.11	0.007													
A0101758		2.41	0.091													
A0101759		2.32	0.017													
A0101760		2.13	0.003	0.09	7.73	30.2	850	1.69	0.22	4.64	0.04	110.5	17.2	38	1.35	53.7
A0101761		2.27	0.006													
A0101762		2.09	0.006													
A0101763		2.46	0.022													
A0101764		2.06	0.043													
A0101765		2.37	0.134													
A0101766		2.14	0.048													
A0101767		2.31	0.015													
A0101768		2.04	0.010													
A0101769		<0.02	0.011													
A0101770		1.90	0.004													
A0101771		2.20	0.013													
A0101772		2.21	0.008													
A0101773		2.40	0.055													
A0101774		2.13	0.011													
A0101775		2.12	0.006													
A0101776		2.15	0.018													
A0101777		2.16	0.128													
A0101778		2.25	0.012													
A0101779		2.07	0.044	0.10	7.79	32.9	940	1.63	0.22	4.54	0.08	78.7	22.0	47	3.36	37.2
A0101780		2.12	0.088													
A0101781		2.29	0.007													
A0101782		2.08	0.009													
A0101783		2.16	0.005													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101744 A0101745 A0101746 A0101747 A0101748		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101749 A0101750 A0101751 A0101752 A0101753																
A0101754 A0101755 A0101756 A0101757 A0101758																
A0101759 A0101760 A0101761 A0101762 A0101763		3.51	20.6	0.22	3.8	0.040	1.78	50.0	28.7	1.63	531	4.93	4.41	5.8	50.7	1560
A0101764 A0101765 A0101766 A0101767 A0101768																
A0101769 A0101770 A0101771 A0101772 A0101773																
A0101774 A0101775 A0101776 A0101777 A0101778																
A0101779 A0101780 A0101781 A0101782 A0101783		3.12	20.8	0.16	3.4	0.026	2.13	41.4	33.9	1.12	531	3.53	4.38	5.1	93.1	900



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101744 A0101745 A0101746 A0101747 A0101748																
A0101749 A0101750 A0101751 A0101752 A0101753																
A0101754 A0101755 A0101756 A0101757 A0101758																
A0101759 A0101760 A0101761 A0101762 A0101763		5.9	30.7	<0.002	1.49	1.44	8.7	1	0.7	1445	0.28	0.10	8.36	0.396	0.27	1.7
A0101764 A0101765 A0101766 A0101767 A0101768																
A0101769 A0101770 A0101771 A0101772 A0101773																
A0101774 A0101775 A0101776 A0101777 A0101778																
A0101779 A0101780 A0101781 A0101782 A0101783		6.9	69.1	<0.002	1.04	3.20	7.5	1	0.5	1575	0.19	0.14	3.89	0.263	0.58	1.0



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01
A0101744 A0101745 A0101746 A0101747 A0101748																
A0101749 A0101750 A0101751 A0101752 A0101753																
A0101754 A0101755 A0101756 A0101757 A0101758																
A0101759 A0101760 A0101761 A0101762 A0101763		87	1.6	14.4	75	147.5										
A0101764 A0101765 A0101766 A0101767 A0101768																
A0101769 A0101770 A0101771 A0101772 A0101773																
A0101774 A0101775 A0101776 A0101777 A0101778																
A0101779 A0101780 A0101781 A0101782 A0101783		86	15.8	9.9	62	149.0										



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	Method Analyte Units LOD	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description		0.01	0.01	0.01	0.01	0.01
A0101744 A0101745 A0101746 A0101747 A0101748						
A0101749 A0101750 A0101751 A0101752 A0101753						
A0101754 A0101755 A0101756 A0101757 A0101758						
A0101759 A0101760 A0101761 A0101762 A0101763						
A0101764 A0101765 A0101766 A0101767 A0101768						
A0101769 A0101770 A0101771 A0101772 A0101773						
A0101774 A0101775 A0101776 A0101777 A0101778						
A0101779 A0101780 A0101781 A0101782 A0101783						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101784		0.49	<0.001													
A0101785		2.21	0.003													
A0101786		1.95	0.017													
A0102664		Not Recvd														
A0102690		Not Recvd														
A0102691		Not Recvd														
V469085		2.44	0.003													
V469086		2.26	0.001													
V469087		2.26	0.002													
V469088		0.48	<0.001													
V469089		1.97	0.003													
V469090		2.19	0.002													
V469091		1.83	0.002													
V469092		2.01	0.003													
V469093		1.55	0.004													
V469094		2.25	0.003													
V469095		2.27	0.002													
V469096		2.37	0.002													
V469097		2.56	0.001													
V469098		1.80	0.004													
V469099		1.89	0.003													
V469100		1.72	0.003													
V469101		1.97	0.002													
V469102		2.14	0.002													
V469103		2.15	0.013													
V469104		0.07	2.99													
V469105		1.74	0.003													
V469106		1.99	0.005													
V469107		2.04	0.005	0.06	6.86	2.1	150	0.46	0.07	6.60	0.10	23.7	42.0	310	10.20	96.7
V469108		1.92	0.005													
V469109		1.96	0.004													
V469110		3.06	0.007													
V469111		2.09	0.004													
V469112		2.14	0.004													
V469113		1.35	0.009													
V469114		1.49	0.016													
V469115		1.37	0.009													
V469116		1.93	0.008													
V469117		1.99	0.011													
V469118		2.30	0.003													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101784 A0101785 A0101786 A0102664 A0102690		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0102691 V469085 V469086 V469087 V469088																
V469089 V469090 V469091 V469092 V469093																
V469094 V469095 V469096 V469097 V469098																
V469099 V469100 V469101 V469102 V469103																
V469104 V469105 V469106 V469107 V469108		6.23	13.40	0.11	1.0	0.053	1.07	11.4	123.0	4.33	1340	0.86	3.75	1.4	89.8	200
V469109 V469110 V469111 V469112 V469113																
V469114 V469115 V469116 V469117 V469118																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101784 A0101785 A0101786 A0102664 A0102690																
A0102691 V469085 V469086 V469087 V469088																
V469089 V469090 V469091 V469092 V469093																
V469094 V469095 V469096 V469097 V469098																
V469099 V469100 V469101 V469102 V469103																
V469104 V469105 V469106 V469107 V469108		3.8	61.4	<0.002	0.43	0.26	37.5	<1	0.4	243	0.08	0.05	0.44	0.341	0.46	0.2
V469109 V469110 V469111 V469112 V469113																
V469114 V469115 V469116 V469117 V469118																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01
A0101784 A0101785 A0101786 A0102664 A0102690																
A0102691 V469085 V469086 V469087 V469088																
V469089 V469090 V469091 V469092 V469093																
V469094 V469095 V469096 V469097 V469098																
V469099 V469100 V469101 V469102 V469103																
V469104 V469105 V469106 V469107 V469108		190	1.7	13.5	125	34.4										
V469109 V469110 V469111 V469112 V469113																
V469114 V469115 V469116 V469117 V469118																



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	Method Analyte Units LOD	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description		0.01	0.01	0.01	0.01	0.01
A0101784						
A0101785						
A0101786						
A0102664						
A0102690						
A0102691						
V469085						
V469086						
V469087						
V469088						
V469089						
V469090						
V469091						
V469092						
V469093						
V469094						
V469095						
V469096						
V469097						
V469098						
V469099						
V469100						
V469101						
V469102						
V469103						
V469104						
V469105						
V469106						
V469107						
V469108						
V469109						
V469110						
V469111						
V469112						
V469113						
V469114						
V469115						
V469116						
V469117						
V469118						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469119		1.52	0.005													
V469120		1.24	0.006													
V469121		1.22	0.003													
V469122		2.03	0.005													
V469123		1.75	0.006													
V469124		2.33	0.005													
V469125		2.82	0.002													
V469126		2.82	0.002													
V469127		2.24	0.002													
V469128		2.53	0.002	0.02	5.41	1.5	30	0.22	0.03	6.95	0.05	4.71	69.4	975	1.16	13.5
V469129		2.36	0.001													
V469130		2.37	0.002													
V469131		2.65	0.001													
V469132		2.15	0.001													
V469133		2.42	0.002													
V469134		2.37	0.004													

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V469119 V469120 V469121 V469122 V469123																				
V469124 V469125 V469126 V469127 V469128					8.10	10.55	0.08	0.9	0.042	0.13	1.7	120.0	9.86	1440	3.80	1.19	1.2	550	190	
V469129 V469130 V469131 V469132 V469133																				
V469134																				

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V469119 V469120 V469121 V469122 V469123																
V469124 V469125 V469126 V469127 V469128		1.4	3.6	<0.002	0.09	0.57	31.9	<1	0.4	309	0.08	<0.05	0.14	0.314	0.05	<0.1
V469129 V469130 V469131 V469132 V469133																
V469134																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01
V469119 V469120 V469121 V469122 V469123																
V469124 V469125 V469126 V469127 V469128		178	0.9	11.6	83	26.3										
V469129 V469130 V469131 V469132 V469133																
V469134																



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Sample Description	Method Analyte Units LOD	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06
		P2O5 %	SrO %	BaO %	LOI %	Total %
V469119 V469120 V469121 V469122 V469123		0.01	0.01	0.01	0.01	0.01
V469124 V469125 V469126 V469127 V469128						
V469129 V469130 V469131 V469132 V469133						
V469134						



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	CERTIFICATE COMMENTS												
	ANALYTICAL COMMENTS												
Applies to Method:	<p>REE's may not be totally soluble in this method. ME-MS61</p>												
	LABORATORY ADDRESSES												
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-ICP06</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;">OA-GRA05</td> </tr> <tr> <td>TOT-ICP06</td> <td></td> <td></td> <td></td> </tr> </table>	Au-ICP21	ME-ICP06	ME-MS61	OA-GRA05	TOT-ICP06							
Au-ICP21	ME-ICP06	ME-MS61	OA-GRA05										
TOT-ICP06													



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CERTIFICATE VO19115639

Project: DOUAY
 P.O. No.: MGM1906
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469135		1.76	0.001													
V469136		0.53	<0.001													
V469137		2.43	0.005													
V469138		2.33	0.011													
V469139		2.34	0.002													
V469140		2.60	0.003													
V469141		2.00	0.001													
V469142		1.97	0.009													
V469143		2.26	0.003													
V469144		2.32	0.001													
V469145		2.50	0.006													
V469146		2.16	0.002													
V469147		2.34	0.001													
V469148		2.40	<0.001													
V469149		2.13	0.006	0.20	5.29	5.2	60	0.50	0.22	6.21	0.06	34.2	82.6	878	4.94	101.5
V469150		2.38	0.026													
V469151		2.54	0.002													
V469152		0.07	0.119													
V469153		2.69	0.002													
V469154		2.73	0.001													
V469155		2.20	<0.001													
V469156		2.98	<0.001													
V469157		2.40	<0.001													
V469158		2.27	<0.001													
V469159		2.21	<0.001													
V469160		2.61	0.002													
V469161		2.57	0.001													
V469162		2.27	<0.001													
V469163		2.22	0.001													
V469164		2.53	<0.001													
V469165		2.61	0.002													
V469166		2.48	0.002													
V469167		2.71	<0.001													
V469168		2.45	0.001													
V469169		<0.02	0.003													
V469170		2.57	<0.001													
V469171		2.69	<0.001	0.07	5.01	2.3	20	0.14	0.03	6.56	0.08	5.26	70.7	1140	1.26	52.3
V469172		2.60	<0.001													
V469173		2.70	0.001													
V469174		2.58	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469135 V469136 V469137 V469138 V469139		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469140 V469141 V469142 V469143 V469144																
V469145 V469146 V469147 V469148 V469149		8.26	10.55	0.06	0.9	0.038	0.51	16.3	93.7	9.15	1520	3.35	1.50	2.2	528	220
V469150 V469151 V469152 V469153 V469154																
V469155 V469156 V469157 V469158 V469159																
V469160 V469161 V469162 V469163 V469164																
V469165 V469166 V469167 V469168 V469169																
V469170 V469171 V469172 V469173 V469174		7.90	10.25	0.05	0.9	0.043	0.08	1.9	103.5	9.81	1350	0.33	1.09	1.3	684	200



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469135 V469136 V469137 V469138 V469139																
V469140 V469141 V469142 V469143 V469144																
V469145 V469146 V469147 V469148 V469149		3.3	22.5	0.003	0.56	0.56	31.4	1	0.3	282	0.09	0.08	1.76	0.326	0.21	0.2
V469150 V469151 V469152 V469153 V469154																
V469155 V469156 V469157 V469158 V469159																
V469160 V469161 V469162 V469163 V469164																
V469165 V469166 V469167 V469168 V469169																
V469170 V469171 V469172 V469173 V469174		3.6	1.9	0.002	0.07	0.30	30.6	1	0.3	264	0.08	<0.05	0.15	0.301	0.03	<0.1



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
V469135 V469136 V469137 V469138 V469139		1	0.1	0.1	2	0.5
V469140 V469141 V469142 V469143 V469144						
V469145 V469146 V469147 V469148 V469149		189	0.7	13.6	160	33.5
V469150 V469151 V469152 V469153 V469154						
V469155 V469156 V469157 V469158 V469159						
V469160 V469161 V469162 V469163 V469164						
V469165 V469166 V469167 V469168 V469169						
V469170 V469171 V469172 V469173 V469174		191	0.3	11.5	85	34.6



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469175		2.57	<0.001													
V469176		2.38	0.001													
V469177		3.09	<0.001													
V469178		2.28	<0.001													
V469179		2.27	<0.001													
V469180		2.52	0.001													
V469181		2.67	0.004													
V469182		2.74	<0.001													
V469183		2.23	<0.001													
V469184		0.50	<0.001													
V469185		2.31	<0.001													
V469186		2.49	0.001													
V469187		2.35	0.003													
V469188		2.24	0.004													
V469189		2.60	0.001													
V469190		2.26	0.001													
V469191		2.47	0.002													
V469192		2.63	0.007	0.11	5.84	8.6	40	0.20	0.08	11.65	0.11	8.47	54.4	426	0.16	117.5
V469193		2.89	0.003													
V469194		2.19	0.006													
V469195		2.31	0.004													
V469196		2.38	0.002													
V469197		2.31	0.001													
V469198		2.69	0.001													
V469199		2.69	0.001													
V469200		0.07	0.492													
V469201		2.68	0.002													
V469202		2.40	0.003													
V469203		2.13	0.002													
V469204		2.15	0.002													
V469205		2.07	0.003													
V469206		2.62	0.008													
V469207		2.36	0.043													
V469208		0.07	2.95													
V469209		1.99	0.003													
V469210		2.39	0.020													
V469211		2.64	0.013													
V469212		2.14	0.008													
V469213		2.49	0.013													
V469214		2.17	0.008	0.10	5.92	5.3	110	1.51	0.26	7.98	0.27	108.5	51.9	382	12.45	85.9



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469175 V469176 V469177 V469178 V469179		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469180 V469181 V469182 V469183 V469184																
V469185 V469186 V469187 V469188 V469189																
V469190 V469191 V469192 V469193 V469194		8.58	11.65	<0.05	0.9	0.054	0.08	3.9	18.2	4.60	1590	1.85	1.61	1.5	198.0	200
V469195 V469196 V469197 V469198 V469199																
V469200 V469201 V469202 V469203 V469204																
V469205 V469206 V469207 V469208 V469209																
V469210 V469211 V469212 V469213 V469214		7.01	11.90	0.11	1.0	0.049	1.24	51.6	60.2	5.38	1420	1.01	2.58	4.7	224	250



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
V469175 V469176 V469177 V469178 V469179		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469180 V469181 V469182 V469183 V469184																
V469185 V469186 V469187 V469188 V469189																
V469190 V469191 V469192 V469193 V469194		13.0	1.0	0.005	0.35	0.60	34.6	1	0.4	365	0.10	0.05	0.21	0.360	0.02	0.1
V469195 V469196 V469197 V469198 V469199																
V469200 V469201 V469202 V469203 V469204																
V469205 V469206 V469207 V469208 V469209																
V469210 V469211 V469212 V469213 V469214		5.7	69.2	<0.002	0.44	0.31	30.4	<1	0.4	251	0.10	0.08	2.70	0.352	0.59	0.9

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469175 V469176 V469177 V469178 V469179						
V469180 V469181 V469182 V469183 V469184						
V469185 V469186 V469187 V469188 V469189						
V469190 V469191 V469192 V469193 V469194		210	1.2	13.6	67	35.1
V469195 V469196 V469197 V469198 V469199						
V469200 V469201 V469202 V469203 V469204						
V469205 V469206 V469207 V469208 V469209						
V469210 V469211 V469212 V469213 V469214		197	5.1	20.7	80	44.6



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469215		2.19	0.003													
V469216		2.15	0.001													
V469217		2.23	0.006													
V469218		2.40	0.003													
V469219		2.50	0.003													
V469220		2.55	0.004													
V469221		2.49	0.013													
V469222		2.56	0.004													
V469223		2.24	0.007													
V469224		1.08	0.006													
V469225		1.05	0.003													
V469226		2.58	0.003													
V469227		2.14	<0.001													
V469228		2.42	0.004													
V469229		2.31	0.014													
V469230		2.53	0.005													
V469231		2.50	0.004													
V469232		2.30	0.021													
V469233		2.55	0.006													
V469234		2.42	0.002													
V469235		2.40	0.007	0.07	5.75	3.9	200	1.09	0.27	6.80	0.09	35.6	62.7	671	7.09	65.6
V469236		2.39	0.010													
V469237		2.35	0.004													
V469238		2.43	0.005													
V469239		2.42	0.001													
V469240		0.34	0.002													
V469241		2.63	0.008													
V469242		2.84	0.003													
V469243		2.45	0.002													
V469244		2.37	0.003													
V469245		2.38	0.002													
V469246		2.48	0.001													
V469247		2.31	0.009													
V469248		2.50	0.009													
V469249		2.29	0.031													
V469250		2.32	0.010													
V469251		1.77	0.006													
V469252		2.04	0.002													
V469253		2.46	0.008													
V469254		3.35	0.009													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V469215 V469216 V469217 V469218 V469219		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469220 V469221 V469222 V469223 V469224																
V469225 V469226 V469227 V469228 V469229																
V469230 V469231 V469232 V469233 V469234																
V469235 V469236 V469237 V469238 V469239		7.99	11.55	0.06	1.0	0.055	0.84	16.8	87.3	7.54	1660	1.52	1.99	2.4	349	230
V469240 V469241 V469242 V469243 V469244																
V469245 V469246 V469247 V469248 V469249																
V469250 V469251 V469252 V469253 V469254																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469215 V469216 V469217 V469218 V469219																
V469220 V469221 V469222 V469223 V469224																
V469225 V469226 V469227 V469228 V469229																
V469230 V469231 V469232 V469233 V469234																
V469235 V469236 V469237 V469238 V469239		6.1	32.6	0.002	0.34	0.54	34.2	1	0.4	1025	0.10	0.09	2.35	0.371	0.35	0.3
V469240 V469241 V469242 V469243 V469244																
V469245 V469246 V469247 V469248 V469249																
V469250 V469251 V469252 V469253 V469254																

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469215 V469216 V469217 V469218 V469219						
V469220 V469221 V469222 V469223 V469224						
V469225 V469226 V469227 V469228 V469229						
V469230 V469231 V469232 V469233 V469234						
V469235 V469236 V469237 V469238 V469239		212	1.0	16.0	222	38.2
V469240 V469241 V469242 V469243 V469244						
V469245 V469246 V469247 V469248 V469249						
V469250 V469251 V469252 V469253 V469254						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469255		1.98	0.017													
V469256		0.07	0.138													
V469257		2.53	0.015	0.08	6.27	3.9	130	0.79	0.21	13.85	0.12	19.45	40.8	104	0.90	68.1
V469258		1.95	0.031													
V469259		2.76	0.020													
V469260		2.49	0.059													
V469261		2.47	0.040													
V469262		3.05	0.006													
V469263		2.15	0.015													
V469264		2.20	0.005													
V469265		2.55	0.004													
V469266		2.27	0.006													
V469267		2.54	0.005													
V469268		2.57	0.008													
V469269		2.35	0.006													
V469270		2.54	0.009													
V469271		2.49	0.006													
V469272		1.96	0.004													
V469273		<0.02	0.003													
V469274		1.88	0.032													
V469275		1.82	0.036													
V469276		1.33	0.020													
V469277		2.03	0.019													
V469278		1.71	0.015													
V469279		1.98	0.008													
V469280		1.83	0.026	0.08	5.42	6.2	240	1.65	0.53	4.72	0.04	75.0	16.4	57	4.14	46.0
V469281		2.13	0.018													
V469282		2.36	0.007													
V469283		2.08	0.002													
V469284		2.62	0.002													
V469285		2.34	0.002													
V469286		1.88	0.018													
V469287		1.18	0.037													
V469288		0.49	0.001													
V469289		1.76	0.016													
V469290		2.07	0.034													
V469291		1.16	0.008													
V469292		1.71	0.006													
V469293		2.32	0.007													
V469294		2.24	0.004													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469255 V469256 V469257 V469258 V469259		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469260 V469261 V469262 V469263 V469264																
V469265 V469266 V469267 V469268 V469269																
V469270 V469271 V469272 V469273 V469274																
V469275 V469276 V469277 V469278 V469279																
V469280 V469281 V469282 V469283 V469284		4.92	12.55	0.09	3.2	0.059	1.07	34.0	49.0	0.71	924	4.21	3.37	11.1	31.6	470
V469285 V469286 V469287 V469288 V469289																
V469290 V469291 V469292 V469293 V469294																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
V469255 V469256 V469257 V469258 V469259		5.9	7.2	0.002	0.42	0.78	28.8	1	0.3	627	0.10	0.06	1.22	0.392	0.07	0.2
V469260 V469261 V469262 V469263 V469264																
V469265 V469266 V469267 V469268 V469269																
V469270 V469271 V469272 V469273 V469274																
V469275 V469276 V469277 V469278 V469279																
V469280 V469281 V469282 V469283 V469284		5.4	54.1	0.002	1.00	0.44	10.1	1	1.2	454	0.30	0.17	2.52	0.266	0.34	0.6
V469285 V469286 V469287 V469288 V469289																
V469290 V469291 V469292 V469293 V469294																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469255 V469256 V469257 V469258 V469259		205	1.4	19.1	122	32.4
V469260 V469261 V469262 V469263 V469264						
V469265 V469266 V469267 V469268 V469269						
V469270 V469271 V469272 V469273 V469274						
V469275 V469276 V469277 V469278 V469279						
V469280 V469281 V469282 V469283 V469284		67	7.9	21.2	64	136.0
V469285 V469286 V469287 V469288 V469289						
V469290 V469291 V469292 V469293 V469294						



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
V469295		2.69	0.004													
V469296		2.35	0.008													
V469297		1.82	0.165													
V469298		1.88	0.004													
V469299		1.77	0.006													
V469300		1.14	0.008													
V469301		2.45	0.012													
V469302		2.15	0.043													
V469303		2.14	0.019	0.19	7.40	18.9	230	0.78	0.19	5.68	0.05	28.4	54.8	259	1.46	11.2
V469304		0.07	0.517													

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V469295 V469296 V469297 V469298 V469299																				
V469300 V469301 V469302 V469303 V469304					7.98	13.60	0.06	1.3	0.051	0.79	13.4	38.4	1.09	1830	0.98	4.78	3.8	128.5	600	

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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469295 V469296 V469297 V469298 V469299																
V469300 V469301 V469302 V469303 V469304		7.9	22.0	0.002	1.11	2.91	27.6	1	0.7	322	0.19	0.23	0.70	0.449	0.12	0.6



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469295 V469296 V469297 V469298 V469299						
V469300 V469301 V469302 V469303 V469304		196	4.7	18.7	148	57.0



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19115646

Project: DOUAY
 P.O. No.: MGM1906
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V469305		2.42	0.011													
V469306		2.05	0.017													
V469307		2.57	0.004													
V469308		1.51	0.011													
V469309		2.27	0.050													
V469310		2.33	0.060													
V469311		2.34	2.07													
V469312		1.98	0.005													
V469313		1.12	0.096													
V469314		1.87	>10.0	9.99												
V469315		2.31	0.491													
V469316		2.30	0.328													
V469317		1.18	0.042													
V469318		2.27	0.298													
V469319		2.49	0.014													
V469320		0.61	0.020													
V469321		0.59	0.021													
V469322		2.40	0.020													
V469323		2.20	0.062													
V469324		1.56	0.157													
V469325		1.78	0.263													
V469326		1.74	1.345													
V469327		2.47	0.011													
V469328		2.38	0.009		0.62	6.38	14.5	180	0.86	0.91	7.77	0.17	31.0	43.0	63	3.58
V469329		2.15	0.010													
V469330		2.18	0.009													
V469331		1.98	0.288													
V469332		1.99	0.282													
V469333		2.89	0.008													
V469334		1.51	0.017													
V469335		2.11	0.008													
V469336		0.50	0.001													
V469337		2.32	0.008													
V469338		2.21	0.007													
V469339		2.16	0.012													
V469340		2.42	0.008													
V469341		2.42	0.010													
V469342		2.71	0.009													
V469343		2.47	0.061													
V469344		2.58	0.066													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	
					ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
					0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	
V469305 V469306 V469307 V469308 V469309																				
V469310 V469311 V469312 V469313 V469314																				
V469315 V469316 V469317 V469318 V469319																				
V469320 V469321 V469322 V469323 V469324																				
V469325 V469326 V469327 V469328 V469329					284	11.90	17.90	0.09	1.8	0.090	0.89	12.2	49.8	2.11	2000	1.98	3.34	6.6	47.5	
V469330 V469331 V469332 V469333 V469334																				
V469335 V469336 V469337 V469338 V469339																				
V469340 V469341 V469342 V469343 V469344																				



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Sample Description	Method Analyte Units LOD	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02
V469305 V469306 V469307 V469308 V469309																
V469310 V469311 V469312 V469313 V469314																
V469315 V469316 V469317 V469318 V469319																
V469320 V469321 V469322 V469323 V469324																
V469325 V469326 V469327 V469328 V469329		610	35.3	45.9	0.002	1.10	10.10	40.3	1	0.8	884	0.25	0.09	0.84	0.891	0.32
V469330 V469331 V469332 V469333 V469334																
V469335 V469336 V469337 V469338 V469339																
V469340 V469341 V469342 V469343 V469344																



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469305 V469306 V469307 V469308 V469309							
V469310 V469311 V469312 V469313 V469314							
V469315 V469316 V469317 V469318 V469319							
V469320 V469321 V469322 V469323 V469324							
V469325 V469326 V469327 V469328 V469329		0.4	346	1.8	29.7	149	61.2
V469330 V469331 V469332 V469333 V469334							
V469335 V469336 V469337 V469338 V469339							
V469340 V469341 V469342 V469343 V469344							



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
V469345		1.19	0.255													
V469346		2.43	0.006													
V469347		2.59	0.111													
V469348		2.07	0.008													
V469349		1.70	0.086													
V469350		1.92	0.705		0.18	6.66	148.5	460	1.03	0.52	9.71	0.08	45.2	31.4	83	1.87
V469351		2.35	0.011													
V469352		0.07	3.10													
V469353		2.67	0.027													
V469354		2.37	0.170													
V469355		2.18	0.091													
V469356		2.10	0.005													
V469357		1.97	0.007													
V469358		2.55	0.005													
V469359		2.50	0.011													
V469360		2.25	0.019													
V469361		2.41	0.013													
V469362		2.51	0.009													
V469363		2.42	0.019													
V469364		2.22	0.008													
V469365		2.05	0.006													
V469366		2.28	0.252													
V469367		2.33	0.008													
V469368		2.34	0.008													
V469369		<0.02	0.008													
V469370		2.35	0.006													
V469371		2.38	0.018													
V469372		2.37	0.006		0.06	7.86	19.9	90	0.62	0.17	6.45	0.05	21.3	40.1	97	0.85
V469373		2.61	0.007													
V469374		2.30	0.008													
V469375		2.14	0.009													
V469376		2.23	0.008													
V469377		2.61	0.012													
V469378		1.79	0.010													
V469379		2.37	0.009													
V469380		2.32	5.30													
V469381		2.03	0.013													
V469382		1.98	0.026													
V469383		2.57	0.011													
V469384		0.50	0.001													



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		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
V469345 V469346 V469347 V469348 V469349		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
V469350 V469351 V469352 V469353 V469354		81.3	7.69	15.65	0.11	1.7	0.085	1.56	21.5	76.3	2.58	2080	0.58	1.16	3.2	62.1
V469355 V469356 V469357 V469358 V469359																
V469360 V469361 V469362 V469363 V469364																
V469365 V469366 V469367 V469368 V469369																
V469370 V469371 V469372 V469373 V469374		39.7	7.45	19.95	0.07	1.9	0.077	0.41	8.4	59.0	2.83	1560	0.41	3.10	4.1	70.7
V469375 V469376 V469377 V469378 V469379																
V469380 V469381 V469382 V469383 V469384																



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		P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm
V469345 V469346 V469347 V469348 V469349		10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
V469350 V469351 V469352 V469353 V469354		410	4.3	55.0	<0.002	1.74	4.09	34.2	1	0.6	556	0.17	0.26	1.54	0.584	0.30
V469355 V469356 V469357 V469358 V469359																
V469360 V469361 V469362 V469363 V469364																
V469365 V469366 V469367 V469368 V469369																
V469370 V469371 V469372 V469373 V469374		580	7.3	17.1	<0.002	1.02	6.02	42.4	1	0.7	271	0.23	0.10	1.39	0.844	0.11
V469375 V469376 V469377 V469378 V469379																
V469380 V469381 V469382 V469383 V469384																



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V469345 V469346 V469347 V469348 V469349							
V469350 V469351 V469352 V469353 V469354		0.2	259	9.0	12.9	154	55.7
V469355 V469356 V469357 V469358 V469359							
V469360 V469361 V469362 V469363 V469364							
V469365 V469366 V469367 V469368 V469369							
V469370 V469371 V469372 V469373 V469374		0.2	322	1.3	28.5	164	66.6
V469375 V469376 V469377 V469378 V469379							
V469380 V469381 V469382 V469383 V469384							



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
V469385		2.36	0.004													
V469386		2.37	0.004													
V469387		2.17	0.063													
V469388		2.27	0.974													
V469389		2.47	0.267													
V469390		2.50	0.361													
V469391		1.06	3.79													
V469392		2.40	0.025													
V469393		2.32	0.016		0.07	6.50	12.6	140	2.16	0.07	7.71	0.18	11.90	38.5	81	12.15
V469394		2.36	0.007													
V469395		2.80	0.008													
V469396		2.03	0.012													
V469397		2.43	0.707													
V469398		1.51	0.023													
V469399		1.18	0.026													
V469400		0.07	0.142													
V469401		2.21	0.130													
V469402		0.92	0.012													
V469403		1.37	0.030													
V469404		1.08	0.066													
V469405		1.78	0.580													
V469406		2.01	0.094													
V469407		2.30	0.177													
V469408		0.07	0.516													
V469409		2.42	1.925													
V469410		2.31	0.048													
V469411		1.21	0.046													
V469412		2.32	0.279													
V469413		2.34	0.017													
V469414		2.73	0.079													
V469415		1.20	0.456													
V469416		2.06	0.622													
V469417		1.70	0.054													
V469418		2.08	0.289													
V469419		1.95	0.299													
V469420		2.16	1.410													
V469421		2.05	1.290													
V469422		2.19	0.855													
V469423		2.02	0.630													
V469424		1.08	0.889													



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		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
V469385 V469386 V469387 V469388 V469389		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
V469390 V469391 V469392 V469393 V469394		52.1	8.13	16.55	0.08	1.5	0.079	1.74	4.4	145.0	2.80	2010	0.33	3.32	2.1	84.4
V469395 V469396 V469397 V469398 V469399																
V469400 V469401 V469402 V469403 V469404																
V469405 V469406 V469407 V469408 V469409																
V469410 V469411 V469412 V469413 V469414																
V469415 V469416 V469417 V469418 V469419																
V469420 V469421 V469422 V469423 V469424																



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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
V469385 V469386 V469387 V469388 V469389		10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
V469390 V469391 V469392 V469393 V469394		460	8.1	119.0	<0.002	0.73	7.14	40.8	<1	0.6	647	0.14	<0.05	0.35	0.470	1.02
V469395 V469396 V469397 V469398 V469399																
V469400 V469401 V469402 V469403 V469404																
V469405 V469406 V469407 V469408 V469409																
V469410 V469411 V469412 V469413 V469414																
V469415 V469416 V469417 V469418 V469419																
V469420 V469421 V469422 V469423 V469424																

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V469385 V469386 V469387 V469388 V469389							
V469390 V469391 V469392 V469393 V469394		0.2	322	3.1	14.4	284	51.5
V469395 V469396 V469397 V469398 V469399							
V469400 V469401 V469402 V469403 V469404							
V469405 V469406 V469407 V469408 V469409							
V469410 V469411 V469412 V469413 V469414							
V469415 V469416 V469417 V469418 V469419							
V469420 V469421 V469422 V469423 V469424							



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		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	
		0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	
V469425		1.09	0.876														
V469426		2.19	1.430														
V469427		2.22	0.861														
V469428		1.84	2.47														
V469429		0.65	2.37														
V469430		2.12	0.013														
V469431		2.11	0.008														
V469432		1.84	0.019														
V469433		2.21	0.011														
V469434		2.84	0.001														
V469435		2.73	0.016														
V469436		2.57	0.005														
V469437		2.05	<0.001		0.02	7.05	2.9	430	0.43	0.05	8.73	0.06	41.8	82.1	991	0.77	
V469438		1.98	0.005														
V469439		1.67	0.002														
V469440		0.94	0.001														
V469441		2.37	0.003														
V469442		2.57	0.041														
V469443		2.74	0.010														
V469444		2.42	0.008														
V469445		2.29	0.011														
V469446		2.40	0.002														
V469447		2.06	0.004														
V469448		1.93	0.014														
V469449		2.25	<0.001														
V469450		2.49	0.005														
V469451		2.64	0.001														
V469452		2.24	0.001														
V469453		2.37	0.002														
V469454		2.46	0.007														
V469455		2.59	0.001														
V469456		0.07	3.06														
V469457		2.51	0.009														
V469458		2.55	0.003														
V469459		1.96	0.005		0.01	7.36	1.3	540	0.38	0.01	6.42	0.03	4.71	42.8	344	0.86	
V469460		2.25	<0.001														
V469461		2.08	0.002														
V469462		2.11	0.002														
V469463		2.41	0.026														
V471076		1.24	0.054														



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
V469425 V469426 V469427 V469428 V469429		0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
V469430 V469431 V469432 V469433 V469434																
V469435 V469436 V469437 V469438 V469439		24.0	6.79	12.70	0.07	1.3	0.046	0.66	21.3	23.1	4.09	1440	0.51	2.36	2.1	329
V469440 V469441 V469442 V469443 V469444																
V469445 V469446 V469447 V469448 V469449																
V469450 V469451 V469452 V469453 V469454																
V469455 V469456 V469457 V469458 V469459		44.4	6.17	13.95	0.06	0.7	0.049	0.58	1.9	88.3	5.57	1090	0.13	2.22	1.2	98.4
V469460 V469461 V469462 V469463 V471076																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm
V469425 V469426 V469427 V469428 V469429		10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
V469430 V469431 V469432 V469433 V469434																
V469435 V469436 V469437 V469438 V469439		220	3.1	27.1	<0.002	0.13	0.69	44.4	<1	0.3	492	0.08	<0.05	0.68	0.326	0.15
V469440 V469441 V469442 V469443 V469444																
V469445 V469446 V469447 V469448 V469449																
V469450 V469451 V469452 V469453 V469454																
V469455 V469456 V469457 V469458 V469459		180	1.9	16.3	<0.002	0.02	0.46	38.1	<1	0.4	273	0.07	<0.05	0.13	0.320	0.13
V469460 V469461 V469462 V469463 V471076																



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469425 V469426 V469427 V469428 V469429							
V469430 V469431 V469432 V469433 V469434							
V469435 V469436 V469437 V469438 V469439		0.3	248	1.0	14.2	159	33.1
V469440 V469441 V469442 V469443 V469444							
V469445 V469446 V469447 V469448 V469449							
V469450 V469451 V469452 V469453 V469454							
V469455 V469456 V469457 V469458 V469459		<0.1	200	0.5	10.9	95	22.5
V469460 V469461 V469462 V469463 V471076							



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Sample Description	Method	Analyte	Units	LOD	WEI-21	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61			
					Recvd Wt.	Au	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	
					kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	
V471077					1.30	0.186														
V471078					2.12	0.486														
V471079					2.06	0.752		0.42	6.95	1.7	820	1.47	0.10	3.27	0.12	78.8	8.8	16	0.44	
V471080					2.10	0.301														
V471081					1.68	0.092														
V471082					2.08	0.050														
V471083					1.98	0.057														
V471084					2.05	0.052														
V471085					1.46	0.046														
V471086					1.64	0.032														



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	
					ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
					0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	
V471077 V471078 V471079 V471080 V471081					157.0	2.82	23.3	0.15	5.3	0.036	2.91	27.3	1.1	0.66	779	0.52	4.61	24.7	19.2	
V471082 V471083 V471084 V471085 V471086																				

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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
V471077 V471078 V471079 V471080 V471081		1250	4.5	57.1	0.002	0.28	2.43	5.6	<1	1.3	372	0.75	0.27	2.57	0.268	0.23
V471082 V471083 V471084 V471085 V471086																



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Sample Description	Method Analyte Units LOD	ME-MS61 U ppm 0.1	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471077 V471078 V471079 V471080 V471081		0.7	88	22.8	9.2	99	203
V471082 V471083 V471084 V471085 V471086							



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CERTIFICATE COMMENTS																
	ANALYTICAL COMMENTS															
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61															
	LABORATORY ADDRESSES															
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td></td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		LOG-21d	LOG-24	PUL-31	PUL-31d		PUL-QC	SPL-21	SPL-21d	WEI-21		
CRU-31	CRU-QC	LOG-21		LOG-21d												
LOG-24	PUL-31	PUL-31d		PUL-QC												
SPL-21	SPL-21d	WEI-21														
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-GRA21</td> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>	Au-GRA21	Au-ICP21	ME-MS61												
Au-GRA21	Au-ICP21	ME-MS61														



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CERTIFICATE VO19115653

Project: DOUAY
 P.O. No.: MGM1906
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471087		1.74	0.065													
V471088		0.60	0.003													
V471089		2.12	0.031													
V471090		2.10	0.034													
V471091		2.00	0.098													
V471092		2.01	0.163													
V471093		2.11	0.024													
V471094		2.13	0.040													
V471095		1.99	0.018													
V471096		2.06	0.026													
V471097		1.82	0.010													
V471098		2.08	0.006													
V471099		2.13	0.025													
V471100		2.57	0.028	0.53	5.25	18.3	190	2.54	0.29	5.36	0.28	38.5	69.0	120	2.34	188.0
V471101		1.81	<0.001													
V471102		2.12	<0.001													
V471103		2.25	0.043													
V471104		0.07	3.05													
V471105		2.28	0.019													
V471106		2.39	0.007													
V471107		1.31	0.013													
V471108		1.26	0.019													
V471109		1.57	0.002													
V471110		2.05	0.002													
V471111		2.11	0.004													
V471112		2.08	0.026													
V471113		2.14	0.011													
V471114		1.93	0.031													
V471115		2.30	0.035													
V471116		1.10	0.040													
V471117		1.20	0.019													
V471118		1.66	0.008													
V471119		2.31	0.008	0.34	7.26	7.3	420	1.31	0.14	6.18	0.06	22.1	45.4	160	3.21	163.0
V471120		1.13	0.012													
V471121		1.07	0.008													
V471122		2.13	0.052													
V471123		2.33	0.013													
V471124		2.18	0.004													
V471125		2.51	0.009													
V471126		2.25	0.010													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
V471087 V471088 V471089 V471090 V471091		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471092 V471093 V471094 V471095 V471096																
V471097 V471098 V471099 V471100 V471101		12.65	11.15	0.09	1.1	0.056	1.46	18.6	75.7	1.96	1510	3.43	2.71	3.5	109.0	330
V471102 V471103 V471104 V471105 V471106																
V471107 V471108 V471109 V471110 V471111																
V471112 V471113 V471114 V471115 V471116																
V471117 V471118 V471119 V471120 V471121		7.08	15.95	0.07	1.0	0.062	1.30	9.3	89.7	2.89	1200	1.27	2.44	2.8	95.9	270
V471122 V471123 V471124 V471125 V471126																



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V471087 V471088 V471089 V471090 V471091																
V471092 V471093 V471094 V471095 V471096																
V471097 V471098 V471099 V471100 V471101		12.7	69.8	0.005	7.38	1.05	28.8	2	0.5	389	0.09	0.13	1.55	0.266	0.29	0.8
V471102 V471103 V471104 V471105 V471106																
V471107 V471108 V471109 V471110 V471111																
V471112 V471113 V471114 V471115 V471116																
V471117 V471118 V471119 V471120 V471121		4.6	61.2	<0.002	2.57	1.16	39.3	1	0.5	162.5	0.11	0.23	1.70	0.425	0.26	0.3
V471122 V471123 V471124 V471125 V471126																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471087 V471088 V471089 V471090 V471091						
V471092 V471093 V471094 V471095 V471096						
V471097 V471098 V471099 V471100 V471101		203	2.6	8.9	116	40.9
V471102 V471103 V471104 V471105 V471106						
V471107 V471108 V471109 V471110 V471111						
V471112 V471113 V471114 V471115 V471116						
V471117 V471118 V471119 V471120 V471121		250	3.2	15.5	85	33.8
V471122 V471123 V471124 V471125 V471126						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471127		2.25	0.005													
V471128		2.12	0.002													
V471129		2.21	0.003													
V471130		2.26	0.005													
V471131		1.70	0.004													
V471132		1.67	0.004													
V471133		1.41	0.001													
V471134		2.30	0.005													
V471135		2.24	0.082													
V471136		0.54	0.001													
V471137		2.24	0.048													
V471138		2.28	0.008													
V471139		2.27	0.010													
V471140		2.25	0.009	0.17	6.94	7.9	350	2.36	0.16	6.99	0.09	25.4	49.8	173	3.42	144.5
V471141		2.25	0.009													
V471142		2.26	0.007													
V471143		2.05	0.014													
V471144		2.10	0.007													
V471145		2.17	0.004													
V471146		1.69	0.003													
V471147		2.01	<0.001													
V471148		2.00	0.003													
V471149		2.01	0.028													
V471150		1.09	<0.001													
V471151		1.42	0.009													
V471152		0.07	0.143													
V471153		2.05	0.007													
V471154		2.15	0.003													
V471155		2.39	0.002													
V471156		2.19	0.002													
V471157		1.85	0.003													
V471158		2.06	0.007													
V471159		2.14	0.003													
V471160		2.24	0.006	0.09	7.55	3.3	400	1.35	0.20	6.72	0.05	24.2	52.9	220	1.47	189.5
V471161		2.08	0.003													
V471162		2.26	0.002													
V471163		1.78	0.002													
V471164		2.11	0.007													
V471165		1.79	0.003													
V471166		2.20	0.004													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V471127 V471128 V471129 V471130 V471131																				
V471132 V471133 V471134 V471135 V471136																				
V471137 V471138 V471139 V471140 V471141					5.90	15.40	0.10	0.8	0.056	1.23	11.6	107.0	3.25	1140	1.63	3.11	3.4	109.5	290	
V471142 V471143 V471144 V471145 V471146																				
V471147 V471148 V471149 V471150 V471151																				
V471152 V471153 V471154 V471155 V471156																				
V471157 V471158 V471159 V471160 V471161					4.67	16.80	0.09	1.3	0.063	1.03	10.3	64.3	3.00	1020	1.72	3.84	4.1	103.5	300	
V471162 V471163 V471164 V471165 V471166																				



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V471127 V471128 V471129 V471130 V471131																
V471132 V471133 V471134 V471135 V471136																
V471137 V471138 V471139 V471140 V471141		6.8	50.3	0.004	1.16	0.89	39.2	<1	0.5	413	0.11	0.22	1.13	0.385	0.29	0.4
V471142 V471143 V471144 V471145 V471146																
V471147 V471148 V471149 V471150 V471151																
V471152 V471153 V471154 V471155 V471156																
V471157 V471158 V471159 V471160 V471161		8.2	31.0	0.004	0.66	0.56	42.9	1	0.6	331	0.12	0.07	1.24	0.435	0.13	0.4
V471162 V471163 V471164 V471165 V471166																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471127 V471128 V471129 V471130 V471131						
V471132 V471133 V471134 V471135 V471136						
V471137 V471138 V471139 V471140 V471141		260	2.7	12.7	102	29.2
V471142 V471143 V471144 V471145 V471146						
V471147 V471148 V471149 V471150 V471151						
V471152 V471153 V471154 V471155 V471156						
V471157 V471158 V471159 V471160 V471161		273	2.0	13.1	85	45.6
V471162 V471163 V471164 V471165 V471166						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471167		2.07	0.003													
V471168		2.13	0.004													
V471169		<0.02	0.003													
V471170		2.10	0.005													
V471171		1.97	0.002													
V471172		1.85	0.124													
V471173		2.07	0.250													
V471174		2.05	0.021													
V471175		2.12	0.022													
V471176		2.15	0.011													
V471177		2.20	0.052													
V471178		1.44	0.020													
V471179		1.42	0.008													
V471180		1.65	0.016													
V471181		2.12	0.008	0.10	7.77	2.6	370	1.53	0.07	5.74	0.07	30.2	51.1	176	2.64	159.0
V471182		2.19	0.007													
V471183		2.27	0.006													
V471184		0.88	0.001													
V471185		2.26	0.004													
V471186		2.04	0.003													
V471187		1.83	0.008													
V471188		2.01	0.004													
V471189		1.87	0.009													
V471190		1.44	0.011													
V471191		2.09	0.002													
V471192		2.06	0.003													
V471193		1.81	0.003													
V471194		2.08	0.004													
V471195		2.08	0.009													
V471196		1.75	0.070													
V471197		2.03	0.004													
V471198		2.10	0.014													
V471199		1.87	0.007	0.24	7.07	8.0	320	3.86	0.11	6.29	0.11	144.0	32.4	121	0.90	73.4
V471200		0.07	0.511													
V471201		1.95	0.004													
V471202		1.83	0.004													
V471203		2.02	0.008													
V471204		1.85	0.002													
V471205		1.95	0.002													
V471206		1.24	0.006													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471167 V471168 V471169 V471170 V471171		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471172 V471173 V471174 V471175 V471176																
V471177 V471178 V471179 V471180 V471181		3.44	17.65	0.10	1.4	0.066	0.94	14.2	86.0	2.45	974	0.66	4.01	4.3	96.1	340
V471182 V471183 V471184 V471185 V471186																
V471187 V471188 V471189 V471190 V471191																
V471192 V471193 V471194 V471195 V471196																
V471197 V471198 V471199 V471200 V471201		4.09	18.85	0.18	3.7	0.043	2.09	63.2	31.1	1.31	1420	1.24	4.59	16.9	85.4	520
V471202 V471203 V471204 V471205 V471206																



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V471167 V471168 V471169 V471170 V471171																
V471172 V471173 V471174 V471175 V471176																
V471177 V471178 V471179 V471180 V471181		14.8	48.0	<0.002	0.16	0.88	41.1	1	0.5	376	0.13	0.05	1.33	0.480	0.20	0.9
V471182 V471183 V471184 V471185 V471186																
V471187 V471188 V471189 V471190 V471191																
V471192 V471193 V471194 V471195 V471196																
V471197 V471198 V471199 V471200 V471201		10.5	41.3	<0.002	0.44	1.11	26.6	<1	0.8	517	0.33	0.23	19.00	0.345	0.16	2.8
V471202 V471203 V471204 V471205 V471206																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471167 V471168 V471169 V471170 V471171						
V471172 V471173 V471174 V471175 V471176						
V471177 V471178 V471179 V471180 V471181		291	3.0	14.8	76	59.8
V471182 V471183 V471184 V471185 V471186						
V471187 V471188 V471189 V471190 V471191						
V471192 V471193 V471194 V471195 V471196						
V471197 V471198 V471199 V471200 V471201		200	11.2	12.8	68	131.5
V471202 V471203 V471204 V471205 V471206						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471207		1.13	0.008													
V471208		0.06	3.09													
V471209		1.45	0.202													
V471210		1.51	0.003													
V471211		2.01	0.006													
V471212		2.08	0.004													
V471213		2.12	0.032													
V471214		1.94	0.016													
V471215		2.02	0.154													
V471216		1.85	0.005													
V471217		2.11	0.009													
V471218		1.95	0.006	0.06	7.16	2.3	660	1.39	0.08	4.03	0.12	100.0	12.8	52	0.58	60.9
V471219		1.03	0.007													
V471220		0.96	0.003													
V471221		2.09	0.006													
V471222		2.04	0.006													
V471223		2.00	0.002													
V471224		0.80	0.003													
V471225		0.86	0.003													
V471226		2.18	0.006													
V471227		2.09	0.003													
V471228		1.35	0.008													
V471229		1.91	0.015													
V471230		1.96	0.013													
V471231		1.55	0.060													
V471232		1.57	0.320													
V471233		1.72	0.108													
V471234		1.92	0.016													
V471235		2.11	0.005													
V471236		1.93	0.003													
V471237		1.60	0.003													
V471238		1.55	0.006													
V471239		1.30	0.008													
V471240		0.71	0.001													
V471241		1.87	0.005	0.13	8.29	2.0	1390	1.26	0.07	1.03	0.03	41.4	2.4	5	0.92	61.7
V471242		2.02	0.016													
V471243		2.13	0.005													
V471244		2.17	0.057													
V471245		1.92	0.010													
V471246		2.04	0.023													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471207 V471208 V471209 V471210 V471211		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471212 V471213 V471214 V471215 V471216																
V471217 V471218 V471219 V471220 V471221		2.80	20.5	0.15	3.5	0.026	1.91	46.8	26.4	1.13	565	1.18	5.07	10.1	31.0	870
V471222 V471223 V471224 V471225 V471226																
V471227 V471228 V471229 V471230 V471231																
V471232 V471233 V471234 V471235 V471236																
V471237 V471238 V471239 V471240 V471241		1.07	26.0	0.11	2.0	0.009	5.49	14.4	0.8	0.19	282	0.41	4.45	16.5	2.8	530
V471242 V471243 V471244 V471245 V471246																



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V471207 V471208 V471209 V471210 V471211		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V471212 V471213 V471214 V471215 V471216																
V471217 V471218 V471219 V471220 V471221		11.5	40.8	0.002	0.13	1.30	6.8	<1	0.7	748	0.29	<0.05	5.88	0.236	0.14	1.6
V471222 V471223 V471224 V471225 V471226																
V471227 V471228 V471229 V471230 V471231																
V471232 V471233 V471234 V471235 V471236																
V471237 V471238 V471239 V471240 V471241		4.6	117.5	<0.002	0.16	1.08	0.7	1	0.4	440	0.44	<0.05	2.63	0.104	0.39	0.6
V471242 V471243 V471244 V471245 V471246																



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CERTIFICATE OF ANALYSIS VO19115653

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471207 V471208 V471209 V471210 V471211						
V471212 V471213 V471214 V471215 V471216						
V471217 V471218 V471219 V471220 V471221		81	6.0	10.3	78	145.0
V471222 V471223 V471224 V471225 V471226						
V471227 V471228 V471229 V471230 V471231						
V471232 V471233 V471234 V471235 V471236						
V471237 V471238 V471239 V471240 V471241		34	4.5	3.7	20	81.9
V471242 V471243 V471244 V471245 V471246						



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CERTIFICATE OF ANALYSIS VO19115653

Sample Description	Method	Analyte	Units	LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
V471247					2.07	0.018														
V471248					1.47	0.083														
V471249					1.71	0.012														
V471250					1.54	0.034														
V471251					0.97	0.003														
V471252					2.00	0.001														
V471253					2.01	0.004														
V471254					1.90	0.003														
V471255					2.06	0.007														
V471256					0.07	0.143														



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P		
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	10	
V471247 V471248 V471249 V471250 V471251																					
V471252 V471253 V471254 V471255 V471256																					



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CERTIFICATE OF ANALYSIS VO19115653

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
V471247 V471248 V471249 V471250 V471251																				
V471252 V471253 V471254 V471255 V471256																				



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CERTIFICATE OF ANALYSIS VO19115653

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	ppm	1	W	ppm	0.1	Y	ppm
		Zn	ppm	2	Zr	ppm	0.5		
V471247 V471248 V471249 V471250 V471251									
V471252 V471253 V471254 V471255 V471256									



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CERTIFICATE OF ANALYSIS VO19115653

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
 ME-MS61

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada			
	CRU-31	CRU-QC	LOG-21	LOG-21d
	LOG-24	PUL-31	PUL-31d	PUL-QC
	SPL-21	SPL-21d	WEI-21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
 Au-ICP21 ME-MS61



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CERTIFICATE VO19115666

Project: DOUAY
 P.O. No.: MGM1906
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471257		1.98	0.007													
V471258		2.08	0.005													
V471259		2.23	0.005													
V471260		1.98	0.005													
V471261		2.12	0.014	0.20	7.56	1.7	1030	1.37	0.18	2.49	0.08	69.8	4.5	8	0.72	125.0
V471262		1.99	0.016													
V471263		2.20	0.024													
V471264		2.05	0.018													
V471265		1.81	0.014													
V471266		2.30	0.007													
V471267		2.26	0.078													
V471268		2.22	0.177													
V471269		2.17	0.014													
V471270		2.04	0.008													
V471271		2.32	0.010													
V471272		2.16	0.079													
V471273		<0.02	0.063													
V471274		2.00	0.100													
V471275		2.13	0.007													
V471276		2.15	0.002													
V471277		2.09	0.163													
V471278		2.15	0.035													
V471279		2.24	0.158	0.20	7.02	1.4	1210	1.69	0.07	3.76	0.08	25.7	7.9	10	0.62	35.5
V471280		2.12	0.027													
V471281		2.29	0.052													
V471282		1.99	0.007													
V471283		1.92	0.007													
V471284		2.10	0.024													
V471285		2.03	0.013													
V471286		2.03	0.212													
V471287		2.10	0.228													
V471288		0.76	0.001													
V471289		2.21	0.108													
V471290		2.12	0.008													
V471291		2.10	0.034													
V471292		1.87	0.039													
V471293		1.94	0.038													
V471294		1.93	0.024													
V471295		1.90	0.024													
V471296		2.00	0.021													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471257 V471258 V471259 V471260 V471261		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471262 V471263 V471264 V471265 V471266		2.11	23.5	0.27	3.6	0.020	4.80	22.6	1.0	0.43	565	0.63	4.54	19.4	5.4	2520
V471267 V471268 V471269 V471270 V471271																
V471272 V471273 V471274 V471275 V471276																
V471277 V471278 V471279 V471280 V471281		3.39	21.4	0.19	3.5	0.050	4.35	8.6	4.3	1.01	1040	0.75	3.97	8.4	7.4	380
V471282 V471283 V471284 V471285 V471286																
V471287 V471288 V471289 V471290 V471291																
V471292 V471293 V471294 V471295 V471296																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V471257 V471258 V471259 V471260 V471261		4.9	80.5	<0.002	0.42	1.26	2.0	1	0.6	517	0.48	0.20	2.65	0.157	0.30	0.6
V471262 V471263 V471264 V471265 V471266																
V471267 V471268 V471269 V471270 V471271																
V471272 V471273 V471274 V471275 V471276																
V471277 V471278 V471279 V471280 V471281		4.8	79.1	<0.002	0.21	0.56	6.2	1	0.8	913	0.28	0.16	0.77	0.071	0.23	0.6
V471282 V471283 V471284 V471285 V471286																
V471287 V471288 V471289 V471290 V471291																
V471292 V471293 V471294 V471295 V471296																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471257 V471258 V471259 V471260 V471261		52	9.1	6.9	50	163.5
V471262 V471263 V471264 V471265 V471266						
V471267 V471268 V471269 V471270 V471271						
V471272 V471273 V471274 V471275 V471276						
V471277 V471278 V471279 V471280 V471281		102	4.5	3.2	83	206
V471282 V471283 V471284 V471285 V471286						
V471287 V471288 V471289 V471290 V471291						
V471292 V471293 V471294 V471295 V471296						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471297		1.95	0.007													
V471298		1.94	0.049													
V471299		1.97	0.034													
V471300		2.04	0.027	0.29	6.89	1.4	1120	1.68	0.06	2.97	0.05	60.8	7.8	23	0.56	70.0
V471301		2.03	0.031													
V471302		1.97	0.030													
V471303		1.92	0.071													
V471304		0.07	0.517													
V471305		2.01	0.094													
V471306		2.16	0.033													
V471307		1.95	0.038													
V471308		1.99	0.012													
V471309		1.96	0.124													
V471310		1.96	0.162													
V471311		1.93	0.030													
V471312		2.01	0.133													
V471313		2.13	0.130													
V471314		2.02	0.149													
V471315		2.07	0.053													
V471316		2.13	0.098													
V471317		2.16	0.043													
V471318		2.01	0.027													
V471319		2.08	0.035													
V471320		0.83	0.017													
V471321		0.86	0.014													
V471322		2.18	0.015	0.41	7.62	1.5	1510	2.31	0.07	2.05	0.04	31.3	3.5	8	0.93	69.1
V471323		2.18	0.021													
V471324		2.01	0.091													
V471325		2.08	0.244													
V471326		2.16	0.041													
V471327		2.07	0.046													
V471328		2.05	0.037													
V471329		2.45	0.045													
V471330		2.04	0.032													
V471331		2.18	0.032													
V471332		2.20	0.210													
V471333		2.17	0.063													
V471334		2.17	0.039													
V471335		2.07	0.030													
V471336		1.11	0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471297 V471298 V471299 V471300 V471301		2.65	19.10	0.23	2.3	0.036	4.40	20.8	13.4	0.83	770	0.25	3.94	10.8	15.8	1130
V471302 V471303 V471304 V471305 V471306																
V471307 V471308 V471309 V471310 V471311																
V471312 V471313 V471314 V471315 V471316																
V471317 V471318 V471319 V471320 V471321																
V471322 V471323 V471324 V471325 V471326		1.56	21.9	0.23	2.5	0.012	5.58	9.7	8.9	0.29	513	0.45	3.90	22.0	4.1	540
V471327 V471328 V471329 V471330 V471331																
V471332 V471333 V471334 V471335 V471336																



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		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
V471297 V471298 V471299 V471300 V471301		2.8	76.7	<0.002	0.05	0.54	3.7	<1	0.6	909	0.32	0.10	1.54	0.131	0.24	0.3
V471302 V471303 V471304 V471305 V471306																
V471307 V471308 V471309 V471310 V471311																
V471312 V471313 V471314 V471315 V471316																
V471317 V471318 V471319 V471320 V471321																
V471322 V471323 V471324 V471325 V471326		3.1	111.5	<0.002	0.05	1.13	1.2	<1	0.4	874	0.69	<0.05	1.32	0.134	0.29	0.3
V471327 V471328 V471329 V471330 V471331																
V471332 V471333 V471334 V471335 V471336																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471297 V471298 V471299 V471300 V471301		84	5.4	4.9	67	105.5
V471302 V471303 V471304 V471305 V471306						
V471307 V471308 V471309 V471310 V471311						
V471312 V471313 V471314 V471315 V471316						
V471317 V471318 V471319 V471320 V471321						
V471322 V471323 V471324 V471325 V471326		49	3.1	3.3	42	104.5
V471327 V471328 V471329 V471330 V471331						
V471332 V471333 V471334 V471335 V471336						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471337		2.08	0.748													
V471338		2.16	0.458													
V471339		2.20	0.267													
V471340		2.24	0.278													
V471341		2.16	0.030													
V471342		2.21	0.010	0.41	9.75	8.7	1190	7.40	0.08	0.39	0.03	10.60	1.1	4	1.02	87.8
V471343		2.03	0.014													
V471344		2.17	0.012													
V471345		2.27	0.028													
V471346		2.22	0.064													
V471347		2.24	0.051													
V471348		2.35	0.320													
V471349		2.19	0.023													
V471350		2.26	0.023													
V471351		2.28	0.027													
V471352		0.07	3.03													
V471353		2.25	0.054													
V471354		2.11	0.051													
V471355		2.21	0.035													
V471356		2.07	0.027													
V471357		2.38	0.016													
V471358		2.18	0.076													
V471359		2.22	0.012													
V471360		2.06	0.095													
V471361		2.05	0.034	0.17	7.07	3.8	840	3.18	0.11	5.39	0.11	79.6	25.5	96	1.05	131.5
V471362		2.06	0.009													
V471363		2.10	0.054													
V471364		1.94	0.007													
V471365		2.12	0.019													
V471366		2.19	0.006													
V471367		2.45	0.032													
V471368		2.05	0.020													
V471369		<0.02	0.028													
V471370		1.99	0.032													
V471371		2.02	0.025													
V471372		2.01	0.005													
V471373		1.96	0.032													
V471374		2.01	0.054													
V471375		2.28	0.013													
V471376		2.25	0.066													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471337 V471338 V471339 V471340 V471341		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471342 V471343 V471344 V471345 V471346		0.60	20.4	0.21	1.2	0.006	5.14	3.5	75.7	0.11	68	1.01	4.06	3.8	1.7	230
V471347 V471348 V471349 V471350 V471351																
V471352 V471353 V471354 V471355 V471356																
V471357 V471358 V471359 V471360 V471361		4.20	19.40	0.22	2.2	0.043	2.72	35.2	128.0	1.70	1250	1.61	4.11	5.0	43.9	1460
V471362 V471363 V471364 V471365 V471366																
V471367 V471368 V471369 V471370 V471371																
V471372 V471373 V471374 V471375 V471376																



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V471337 V471338 V471339 V471340 V471341																
V471342 V471343 V471344 V471345 V471346		2.1	147.0	0.004	0.04	8.14	0.5	<1	0.2	2210	0.22	0.06	0.69	0.025	0.37	0.1
V471347 V471348 V471349 V471350 V471351																
V471352 V471353 V471354 V471355 V471356																
V471357 V471358 V471359 V471360 V471361		5.8	80.7	0.005	0.45	2.63	20.9	1	0.5	338	0.13	0.08	3.35	0.242	0.27	1.1
V471362 V471363 V471364 V471365 V471366																
V471367 V471368 V471369 V471370 V471371																
V471372 V471373 V471374 V471375 V471376																



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V471337 V471338 V471339 V471340 V471341						
V471342 V471343 V471344 V471345 V471346		112	0.8	0.9	29	48.2
V471347 V471348 V471349 V471350 V471351						
V471352 V471353 V471354 V471355 V471356						
V471357 V471358 V471359 V471360 V471361		187	16.2	7.9	87	99.7
V471362 V471363 V471364 V471365 V471366						
V471367 V471368 V471369 V471370 V471371						
V471372 V471373 V471374 V471375 V471376						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471377		2.03	0.029													
V471378		2.27	0.135													
V471379		2.23	0.207													
V471380		2.24	0.103	0.11	6.83	1.9	620	1.76	0.06	7.25	0.13	110.0	36.9	118	0.63	123.0
V471381		2.30	0.045													
V471382		2.08	0.043													
V471383		1.88	0.023													
V471384		0.86	0.003													
V471385		2.39	0.009													
V471386		2.15	0.411													
V471387		2.11	0.070													
V471388		2.07	0.022													
V471389		2.27	0.013													
V471390		2.30	0.004													
V471391		2.06	0.011													
V471392		2.33	0.014													
V471393		2.57	0.008													
V471394		2.30	0.007													
V471395		2.32	0.312													
V471396		2.19	0.004													
V471397		2.21	0.017													
V471398		2.25	0.006	0.10	7.26	12.5	990	3.32	0.07	7.69	0.07	59.5	35.5	164	3.40	91.6
V471399		2.22	0.273													
V471400		0.07	0.138													
V471401		2.23	0.626													
V471402		2.09	0.030													
V471403		2.24	0.056													
V471404		2.19	0.017													
V471405		2.07	0.021													
V471406		2.30	0.022													
V471407		2.09	0.082													
V471408		0.07	0.500													
V471409		1.97	0.012													
V471410		2.12	0.172													
V471411		1.95	0.049													
V471412		2.17	0.083													
V471413		1.98	0.062													
V471414		2.06	0.117													
V471415		2.09	0.308													
V471416		2.17	0.046													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
V471377 V471378 V471379 V471380 V471381		5.27	14.80	0.21	1.9	0.055	3.47	52.9	51.0	1.97	1340	0.79	3.16	10.5	97.4	520
V471382 V471383 V471384 V471385 V471386																
V471387 V471388 V471389 V471390 V471391																
V471392 V471393 V471394 V471395 V471396																
V471397 V471398 V471399 V471400 V471401		3.84	16.85	0.16	1.8	0.059	3.05	29.6	134.0	0.93	1470	1.05	3.52	6.6	97.8	460
V471402 V471403 V471404 V471405 V471406																
V471407 V471408 V471409 V471410 V471411																
V471412 V471413 V471414 V471415 V471416																



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V471377 V471378 V471379 V471380 V471381		0.5	0.1	0.002	0.01	0.05	26.8	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V471382 V471383 V471384 V471385 V471386		5.2	92.3	0.002	0.05	2.78	26.8	<1	0.6	417	0.25	0.07	3.79	0.274	0.29	1.1
V471387 V471388 V471389 V471390 V471391																
V471392 V471393 V471394 V471395 V471396																
V471397 V471398 V471399 V471400 V471401		7.7	90.7	<0.002	0.13	3.36	32.9	1	0.5	2600	0.16	<0.05	1.75	0.391	0.34	0.9
V471402 V471403 V471404 V471405 V471406																
V471407 V471408 V471409 V471410 V471411																
V471412 V471413 V471414 V471415 V471416																



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V471377 V471378 V471379 V471380 V471381		235	16.7	13.6	124	89.2
V471382 V471383 V471384 V471385 V471386						
V471387 V471388 V471389 V471390 V471391						
V471392 V471393 V471394 V471395 V471396						
V471397 V471398 V471399 V471400 V471401		254	7.8	10.9	111	67.9
V471402 V471403 V471404 V471405 V471406						
V471407 V471408 V471409 V471410 V471411						
V471412 V471413 V471414 V471415 V471416						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471417		2.31	0.083													
V471418		2.33	0.069													
V471419		2.28	0.026													
V471420		2.28	0.061	0.29	7.67	2.5	1370	1.83	0.07	3.23	0.06	25.6	5.8	18	0.90	70.4
V471421		2.13	0.069													
V471422		1.99	0.014													
V471423		2.22	0.208													
V471424		1.07	0.183													
V471425		1.13	0.127													
V471426		1.99	0.122													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V471417 V471418 V471419 V471420 V471421					2.24	14.85	0.20	1.9	0.026	4.71	7.3	47.0	0.78	813	0.17	4.21	6.3	12.2	1340	
V471422 V471423 V471424 V471425 V471426																				



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					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
V471417 V471418 V471419 V471420 V471421					3.1	90.1	<0.002	0.09	1.60	4.7	1	0.4	788	0.25	0.06	1.08	0.060	0.38	0.3	
V471422 V471423 V471424 V471425 V471426																				

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



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V471417 V471418 V471419 V471420 V471421		103	4.4	3.1	61	111.0
V471422 V471423 V471424 V471425 V471426						



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19115672

Project: DOUAY
 P.O. No.: MGM1906
 This report is for 170 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471427		2.31	0.538													
V471428		2.39	0.069													
V471429		2.12	0.080													
V471430		2.05	0.084													
V471431		2.25	0.161													
V471432		1.97	0.027													
V471433		2.21	0.345													
V471434		2.07	0.093													
V471435		2.02	0.075													
V471436		2.23	0.151													
V471437		2.32	0.025													
V471438		2.26	0.021													
V471439		2.40	0.088	0.15	6.93	3.8	840	1.13	0.03	3.43	0.13	84.4	7.8	29	0.80	40.1
V471440		1.09	0.001													
V471441		2.21	0.029													
V471442		2.51	0.034													
V471443		2.33	0.011													
V471444		2.34	0.070													
V471445		2.46	0.047													
V471446		2.28	0.006													
V471447		2.26	0.039	1.43	6.40	2.3	730	1.95	0.68	7.88	0.17	135.5	47.6	115	0.53	226
V471448		2.39	0.018													
V471449		2.21	0.020													
V471450		2.31	0.071													
V471451		2.29	0.087													
V471452		2.30	0.070													
V471453		2.32	0.070													
V471454		2.31	0.021													
V471455		2.21	0.009													
V471456		0.07	2.94													
V471457		2.25	0.068													
V471458		2.19	0.016													
V471459		2.14	0.013													
V471460		2.24	0.016													
V471461		2.41	0.006													
V471462		2.36	0.015	0.18	7.74	1.1	660	6.93	0.03	4.27	0.11	20.4	7.1	4	1.92	75.6
V471463		2.25	0.026													
V471464		2.37	0.015													
V471465		2.28	0.012													
V471466		2.03	0.007													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471427 V471428 V471429 V471430 V471431		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471432 V471433 V471434 V471435 V471436																
V471437 V471438 V471439 V471440 V471441		2.36	20.5	0.17	3.5	0.024	5.40	31.3	3.1	0.77	788	0.16	3.53	24.1	15.7	1140
V471442 V471443 V471444 V471445 V471446																
V471447 V471448 V471449 V471450 V471451		4.74	13.75	0.16	1.7	0.058	1.67	63.9	51.4	2.84	1560	52.4	3.99	11.9	167.5	560
V471452 V471453 V471454 V471455 V471456																
V471457 V471458 V471459 V471460 V471461																
V471462 V471463 V471464 V471465 V471466		3.49	17.75	0.09	2.5	0.027	3.47	5.9	132.5	1.13	1340	0.09	3.87	5.0	4.9	1170



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		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
V471427 V471428 V471429 V471430 V471431																
V471432 V471433 V471434 V471435 V471436																
V471437 V471438 V471439 V471440 V471441		10.4	97.3	<0.002	0.25	3.02	5.0	<1	0.8	849	0.53	<0.05	4.17	0.220	0.49	3.2
V471442 V471443 V471444 V471445 V471446																
V471447 V471448 V471449 V471450 V471451		7.8	51.3	0.042	0.45	1.46	31.2	1	0.6	799	0.17	3.25	3.99	0.280	0.18	1.0
V471452 V471453 V471454 V471455 V471456																
V471457 V471458 V471459 V471460 V471461																
V471462 V471463 V471464 V471465 V471466		2.7	68.3	<0.002	0.03	0.60	2.0	<1	0.6	610	0.18	0.06	0.77	0.047	0.33	0.4



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471427 V471428 V471429 V471430 V471431						
V471432 V471433 V471434 V471435 V471436						
V471437 V471438 V471439 V471440 V471441		94	34.4	7.7	78	161.0
V471442 V471443 V471444 V471445 V471446						
V471447 V471448 V471449 V471450 V471451		171	8.8	13.8	126	75.2
V471452 V471453 V471454 V471455 V471456						
V471457 V471458 V471459 V471460 V471461						
V471462 V471463 V471464 V471465 V471466		178	2.6	2.4	99	191.0



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471467		2.42	0.019													
V471468		2.41	0.015													
V471469		1.16	0.009													
V471470		2.19	0.047													
V471471		2.38	0.047													
V471472		2.08	0.054													
V471473		<0.02	0.054													
V471474		2.11	0.122													
V471475		2.41	0.026													
V471476		1.68	0.045													
V471477		1.78	0.021													
V471478		2.21	0.035													
V471479		2.28	0.005													
V471480		2.15	0.004	0.12	6.28	2.0	630	1.04	0.06	4.56	0.12	71.5	13.8	47	0.45	20.9
V471481		2.23	0.019													
V471482		2.10	0.120													
V471483		2.21	0.063													
V471484		2.20	0.250													
V471485		2.16	0.160													
V471486		2.26	0.121													
V471487		2.11	0.492													
V471488		0.77	0.007													
V471489		2.24	0.286													
V471490		2.09	0.032													
V471491		1.46	0.035													
V471492		1.77	0.018													
V471493		1.30	0.012													
V471494		2.11	0.024													
V471495		2.29	0.023													
V471496		2.21	0.011													
V471497		2.16	0.005													
V471498		2.21	0.004													
V471499		2.12	0.051													
V471500		2.00	0.006	0.05	6.90	1.2	340	1.58	0.05	3.30	0.11	59.7	7.7	43	0.72	5.0
V471501		2.12	0.014													
V471502		2.02	0.047													
V471503		1.86	0.019													
V471504		0.07	0.140													
V471505		1.99	0.077													
V471506		2.12	0.153													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471467 V471468 V471469 V471470 V471471		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471472 V471473 V471474 V471475 V471476																
V471477 V471478 V471479 V471480 V471481		3.02	24.8	0.14	3.6	0.021	3.18	29.1	2.5	1.10	745	0.16	4.65	25.6	29.8	840
V471482 V471483 V471484 V471485 V471486																
V471487 V471488 V471489 V471490 V471491																
V471492 V471493 V471494 V471495 V471496																
V471497 V471498 V471499 V471500 V471501		2.28	25.8	0.14	2.7	0.017	4.52	23.4	1.1	0.75	645	4.32	4.25	12.5	20.0	660
V471502 V471503 V471504 V471505 V471506																



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V471467 V471468 V471469 V471470 V471471																
V471472 V471473 V471474 V471475 V471476																
V471477 V471478 V471479 V471480 V471481		5.9	56.5	<0.002	0.05	1.44	5.9	1	0.6	1160	0.52	<0.05	3.55	0.197	0.30	2.2
V471482 V471483 V471484 V471485 V471486																
V471487 V471488 V471489 V471490 V471491																
V471492 V471493 V471494 V471495 V471496																
V471497 V471498 V471499 V471500 V471501		4.5	96.2	0.003	0.08	1.80	4.0	<1	0.4	497	0.25	<0.05	4.06	0.121	0.45	1.3
V471502 V471503 V471504 V471505 V471506																



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		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
V471467 V471468 V471469 V471470 V471471						
V471472 V471473 V471474 V471475 V471476						
V471477 V471478 V471479 V471480 V471481		89	14.0	9.0	93	188.0
V471482 V471483 V471484 V471485 V471486						
V471487 V471488 V471489 V471490 V471491						
V471492 V471493 V471494 V471495 V471496						
V471497 V471498 V471499 V471500 V471501		63	26.1	6.3	79	145.0
V471502 V471503 V471504 V471505 V471506						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471507		2.12	0.085													
V471508		2.20	0.132													
V471509		1.84	0.020													
V471510		2.18	0.187													
V471511		2.23	0.660													
V471512		2.07	0.410													
V471513		2.10	0.020													
V471514		1.81	0.150													
V471515		2.24	0.067													
V471516		2.33	0.045													
V471517		2.25	0.024													
V471518		2.14	0.011	0.06	7.54	3.6	450	1.27	0.02	2.44	0.05	33.6	6.0	22	0.58	18.5
V471519		2.20	0.017													
V471520		0.87	0.011													
V471521		1.06	0.011													
V471522		2.10	0.014													
V471523		2.22	0.028													
V471524		2.22	0.046													
V471525		2.23	0.031													
V471526		2.17	0.759													
V471527		2.33	0.361													
V471528		2.43	0.166													
V471529		2.37	0.051													
V471530		2.50	0.035													
V471531		2.24	0.100													
V471532		2.21	0.189													
V471533		2.26	0.028													
V471534		2.19	0.179													
V471535		2.33	0.006													
V471536		0.86	0.002													
V471537		2.55	0.015													
V471538		2.46	0.018													
V471539		2.53	0.014													
V471540		2.74	0.052	0.09	6.50	4.8	680	0.65	0.17	4.47	0.14	58.2	10.8	48	0.72	7.9
V471541		2.34	2.11													
V471542		2.34	0.047													
V471543		2.09	0.127													
V471544		2.40	0.020													
V471545		2.34	1.665													
V471546		2.61	0.058													



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 Account: VISAU

Project: DOUAY

CERTIFICATE OF ANALYSIS VO19115672

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471507 V471508 V471509 V471510 V471511		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471512 V471513 V471514 V471515 V471516																
V471517 V471518 V471519 V471520 V471521		1.70	28.0	0.12	2.2	0.010	3.83	14.4	5.2	0.54	448	0.31	5.03	8.1	14.2	540
V471522 V471523 V471524 V471525 V471526																
V471527 V471528 V471529 V471530 V471531																
V471532 V471533 V471534 V471535 V471536																
V471537 V471538 V471539 V471540 V471541		2.94	22.3	0.14	3.5	0.022	5.17	24.6	2.7	1.05	751	14.35	3.53	14.6	27.4	620
V471542 V471543 V471544 V471545 V471546																



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CERTIFICATE OF ANALYSIS VO19115672

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V471507 V471508 V471509 V471510 V471511																
V471512 V471513 V471514 V471515 V471516																
V471517 V471518 V471519 V471520 V471521		4.6	84.4	<0.002	0.15	1.82	3.0	<1	0.4	572	0.17	<0.05	3.02	0.123	0.39	1.2
V471522 V471523 V471524 V471525 V471526																
V471527 V471528 V471529 V471530 V471531																
V471532 V471533 V471534 V471535 V471536																
V471537 V471538 V471539 V471540 V471541		8.8	101.5	0.014	0.24	1.89	5.7	<1	0.5	1070	0.29	0.07	4.34	0.162	0.52	1.7
V471542 V471543 V471544 V471545 V471546																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471507 V471508 V471509 V471510 V471511						
V471512 V471513 V471514 V471515 V471516						
V471517 V471518 V471519 V471520 V471521		69	25.7	4.8	51	106.5
V471522 V471523 V471524 V471525 V471526						
V471527 V471528 V471529 V471530 V471531						
V471532 V471533 V471534 V471535 V471536						
V471537 V471538 V471539 V471540 V471541		102	41.7	8.8	101	185.0
V471542 V471543 V471544 V471545 V471546						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471547		2.55	0.116													
V471548		2.58	0.087													
V471549		2.54	0.143													
V471550		2.29	0.047													
V471551		2.28	0.055													
V471552		0.07	0.498													
V471553		2.23	0.242													
V471554		2.17	0.141													
V471555		2.64	0.123													
V471556		2.66	0.034													
V471557		2.43	0.014													
V471558		2.39	0.070													
V471559		2.33	0.019	0.07	6.44	2.5	720	0.96	0.04	4.26	0.11	86.1	10.5	52	0.61	14.0
V471560		2.19	0.015													
V471561		2.11	0.035													
V471562		2.33	0.022													
V471563		2.31	0.027													
V471564		2.23	0.017													
V471565		2.46	0.037													
V471566		2.19	0.044													
V471567		2.36	0.034													
V471568		2.04	0.183													
V471569		<0.02	0.210													
V471570		2.31	0.053													
V471571		2.42	0.105													
V471572		2.31	0.021													
V471573		2.17	0.492													
V471574		2.37	0.073													
V471575		2.17	0.035													
V471576		2.32	1.585													
V471577		2.16	0.418													
V471578		2.31	0.176													
V471579		2.34	0.059													
V471580		2.34	0.328													
V471581		2.29	0.333	0.16	6.87	2.9	680	0.74	0.23	3.18	0.11	76.6	6.8	42	0.99	22.7
V471582		2.17	0.107													
V471583		2.11	0.169													
V471584		0.46	0.001													
V471585		2.23	0.021													
V471586		2.21	0.017													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471547 V471548 V471549 V471550 V471551		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471552 V471553 V471554 V471555 V471556																
V471557 V471558 V471559 V471560 V471561		2.67	21.3	0.17	3.6	0.023	4.20	36.0	8.0	1.03	686	0.48	3.93	16.2	28.2	840
V471562 V471563 V471564 V471565 V471566																
V471567 V471568 V471569 V471570 V471571																
V471572 V471573 V471574 V471575 V471576																
V471577 V471578 V471579 V471580 V471581		1.97	19.80	0.21	3.0	0.017	6.45	29.6	2.9	0.77	572	2.43	1.83	17.9	17.2	990
V471582 V471583 V471584 V471585 V471586																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V471547 V471548 V471549 V471550 V471551																
V471552 V471553 V471554 V471555 V471556																
V471557 V471558 V471559 V471560 V471561		7.2	88.6	<0.002	0.12	1.98	5.9	<1	0.5	1180	0.31	<0.05	6.73	0.185	0.40	2.2
V471562 V471563 V471564 V471565 V471566																
V471567 V471568 V471569 V471570 V471571																
V471572 V471573 V471574 V471575 V471576																
V471577 V471578 V471579 V471580 V471581		14.9	108.0	0.002	0.17	1.96	4.5	<1	0.5	789	0.37	0.09	4.89	0.147	0.85	3.1
V471582 V471583 V471584 V471585 V471586																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471547 V471548 V471549 V471550 V471551						
V471552 V471553 V471554 V471555 V471556						
V471557 V471558 V471559 V471560 V471561		105	26.8	10.4	89	172.0
V471562 V471563 V471564 V471565 V471566						
V471567 V471568 V471569 V471570 V471571						
V471572 V471573 V471574 V471575 V471576						
V471577 V471578 V471579 V471580 V471581		77	24.7	8.4	69	125.0
V471582 V471583 V471584 V471585 V471586						



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Sample Description	Method	Analyte	Units	LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
V471587					2.39	0.072														
V471588					2.50	0.031														
V471589					2.09	0.025														
V471590					2.22	0.056														
V471591					2.09	0.125														
V471592					2.26	0.890														
V471593					2.22	0.447														
V471594					2.02	0.068														
V471595					2.24	0.112														
V471596					2.39	0.097														

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



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V471587 V471588 V471589 V471590 V471591																				
V471592 V471593 V471594 V471595 V471596																				



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V471587 V471588 V471589 V471590 V471591																
V471592 V471593 V471594 V471595 V471596																



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	ppm	1	W	ppm	0.1	Y	ppm
		Zn	ppm	2	Zr	ppm	0.5		
V471587 V471588 V471589 V471590 V471591									
V471592 V471593 V471594 V471595 V471596									



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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Project: DOUAY
 P.O. No.: MGM1906
 This report is for 175 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 14-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471597		2.44	2.60													
V471598		2.25	3.81													
V471599		2.26	0.276	0.27	6.84	3.4	1010	0.84	0.48	4.98	0.15	218	12.8	44	0.65	59.8
V471600		0.07	2.98													
V471601		2.31	1.490													
V471602		2.25	0.935													
V471603		2.23	1.570													
V471604		2.21	0.402													
V471605		2.20	0.795													
V471606		2.29	1.105													
V471607		2.43	2.19													
V471608		0.07	0.140													
V471609		2.46	1.410													
V471610		2.26	3.57													
V471611		2.03	0.246													
V471612		2.24	1.395													
V471613		2.10	0.309													
V471614		2.19	0.087													
V471615		2.28	0.187													
V471616		2.25	0.295													
V471617		2.02	0.324													
V471618		2.15	0.717													
V471619		2.11	0.221													
V471620		2.23	1.950													
V471621		2.24	0.524													
V471622		2.14	0.072	0.03	6.64	2.8	770	0.59	0.08	6.15	0.17	222	10.1	31	1.03	36.0
V471623		1.95	0.405													
V471624		1.03	0.544													
V471625		1.09	0.352													
V471626		2.12	0.275													
V471627		2.20	0.009													
V471628		2.15	0.028													
V471629		2.30	0.164													
V471630		2.35	0.228													
V471631		2.38	0.042													
V471632		2.06	0.038													
V471633		2.22	0.173													
V471634		1.96	0.742													
V471635		2.37	0.221													
V471636		2.24	0.045													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471597 V471598 V471599 V471600 V471601		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471602 V471603 V471604 V471605 V471606																
V471607 V471608 V471609 V471610 V471611																
V471612 V471613 V471614 V471615 V471616																
V471617 V471618 V471619 V471620 V471621																
V471622 V471623 V471624 V471625 V471626		3.42	21.6	0.32	5.0	0.030	4.57	87.0	2.8	1.04	947	15.85	3.40	37.8	24.1	2180
V471627 V471628 V471629 V471630 V471631																
V471632 V471633 V471634 V471635 V471636																
V471622 V471623 V471624 V471625 V471626		3.39	18.15	0.37	3.8	0.032	5.96	84.0	2.5	1.16	1180	2.36	1.27	43.8	17.1	3370



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V471597 V471598 V471599 V471600 V471601		23.3	112.5	0.006	0.45	4.13	6.2	<1	0.9	545	0.84	0.13	13.05	0.307	0.47	2.9
V471602 V471603 V471604 V471605 V471606																
V471607 V471608 V471609 V471610 V471611																
V471612 V471613 V471614 V471615 V471616																
V471617 V471618 V471619 V471620 V471621																
V471622 V471623 V471624 V471625 V471626		6.7	112.0	<0.002	0.12	3.05	7.4	<1	0.9	1200	1.49	<0.05	9.09	0.319	0.87	2.2
V471627 V471628 V471629 V471630 V471631																
V471632 V471633 V471634 V471635 V471636																



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V471597 V471598 V471599 V471600 V471601		133	29.8	21.7	101	204
V471602 V471603 V471604 V471605 V471606						
V471607 V471608 V471609 V471610 V471611						
V471612 V471613 V471614 V471615 V471616						
V471617 V471618 V471619 V471620 V471621						
V471622 V471623 V471624 V471625 V471626		172	39.4	23.8	105	178.0
V471627 V471628 V471629 V471630 V471631						
V471632 V471633 V471634 V471635 V471636						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471637		2.02	0.141													
V471638		2.09	0.052													
V471639		2.28	0.265													
V471640		0.79	0.004													
V471641		2.37	0.553	0.29	6.39	3.2	900	1.25	0.45	7.60	0.21	254	20.4	57	0.84	40.6
V471642		2.20	0.236													
V471643		2.29	0.352													
V471644		2.07	0.130													
V471645		2.19	0.198													
V471646		2.16	0.026													
V471647		2.36	0.150													
V471648		2.21	0.219													
V471649		2.21	0.264													
V471650		2.21	0.243													
V471651		1.83	0.166													
V471652		2.14	0.114													
V471653		2.26	0.514													
V471654		1.80	0.322													
V471655		2.06	0.244													
V471656		0.07	0.503													
V471657		2.27	0.021													
V471658		2.19	0.016													
V471659		2.26	0.100	0.31	6.78	4.5	800	0.44	0.28	5.13	0.27	153.0	12.9	44	1.12	5.0
V471660		2.38	0.129													
V471661		2.20	0.479													
V471662		2.19	0.035													
V471663		2.33	0.148													
V471664		2.23	0.027													
V471665		2.27	0.116													
V471666		2.29	0.300													
V471667		2.27	0.043													
V471668		2.08	0.094													
V471669		2.15	0.058													
V471670		2.24	0.281													
V471671		2.23	0.056													
V471672		2.35	0.072													
V471673		<0.02	0.074													
V471674		2.17	0.052													
V471675		2.28	0.072													
V471676		2.25	0.191													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471637 V471638 V471639 V471640 V471641		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471642 V471643 V471644 V471645 V471646		4.88	17.45	0.36	3.2	0.042	6.16	95.3	3.2	1.60	1420	13.25	1.12	39.6	39.0	4030
V471647 V471648 V471649 V471650 V471651																
V471652 V471653 V471654 V471655 V471656																
V471657 V471658 V471659 V471660 V471661		3.34	18.65	0.24	2.5	0.028	5.67	61.0	1.4	1.14	1020	21.9	1.12	22.2	25.5	1840
V471662 V471663 V471664 V471665 V471666																
V471667 V471668 V471669 V471670 V471671																
V471672 V471673 V471674 V471675 V471676																



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V471637 V471638 V471639 V471640 V471641		17.9	123.0	0.004	0.01	0.05	1	0.2	1385	1.10	0.12	10.45	0.334	0.02	4.8	
V471642 V471643 V471644 V471645 V471646																
V471647 V471648 V471649 V471650 V471651																
V471652 V471653 V471654 V471655 V471656																
V471657 V471658 V471659 V471660 V471661		11.6	109.5	0.010	1.45	3.12	7.8	<1	0.6	1380	0.53	0.14	6.21	0.240	1.03	2.3
V471662 V471663 V471664 V471665 V471666																
V471667 V471668 V471669 V471670 V471671																
V471672 V471673 V471674 V471675 V471676																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471637 V471638 V471639 V471640 V471641		184	36.7	25.2	123	141.0
V471642 V471643 V471644 V471645 V471646						
V471647 V471648 V471649 V471650 V471651						
V471652 V471653 V471654 V471655 V471656						
V471657 V471658 V471659 V471660 V471661		111	35.9	14.5	111	109.5
V471662 V471663 V471664 V471665 V471666						
V471667 V471668 V471669 V471670 V471671						
V471672 V471673 V471674 V471675 V471676						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471677		2.21	0.132													
V471678		2.51	0.019													
V471679		2.40	0.057													
V471680		2.16	0.056	0.12	6.72	2.4	1520	0.34	0.21	5.61	0.18	156.5	7.7	18	1.05	4.0
V471681		2.36	0.163													
V471682		2.33	0.318													
V471683		2.40	0.961													
V471684		2.29	0.275													
V471685		2.14	0.094													
V471686		2.39	0.305													
V471687		2.34	0.011													
V471688		0.43	<0.001													
V471689		2.35	0.016													
V471690		2.32	0.090													
V471691		2.32	0.033													
V471692		2.32	0.017													
V471693		2.18	0.008													
V471694		1.91	0.007													
V471695		2.39	0.017													
V471696		2.22	0.042													
V471697		2.43	0.048													
V471698		2.22	0.129													
V471699		1.74	0.110													
V471700		2.01	0.133	0.29	6.80	3.2	950	0.36	0.37	3.72	0.16	89.1	8.1	36	1.60	5.1
V471701		2.33	0.594													
V471702		1.85	3.09													
V471703		2.11	0.815													
V471704		0.07	3.53													
V471705		2.08	0.120													
V471706		1.65	0.006													
V471707		1.34	0.002													
V471708		1.17	0.003													
V471709		1.37	0.003													
V471710		1.75	0.019													
V471711		2.10	0.007													
V471712		1.41	0.010													
V471713		1.55	0.042													
V471714		1.89	0.025													
V471715		1.78	0.006													
V471716		2.04	0.013													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471677 V471678 V471679 V471680 V471681		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471682 V471683 V471684 V471685 V471686																
V471687 V471688 V471689 V471690 V471691																
V471692 V471693 V471694 V471695 V471696																
V471697 V471698 V471699 V471700 V471701		2.42	19.95	0.28	2.6	0.033	6.76	62.1	1.0	0.69	790	7.26	1.95	23.3	11.1	1190
V471702 V471703 V471704 V471705 V471706																
V471707 V471708 V471709 V471710 V471711																
V471712 V471713 V471714 V471715 V471716																
V471717 V471718 V471719 V471720 V471721																



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V471677 V471678 V471679 V471680 V471681		10.8	119.0	0.006	0.58	2.70	6.8	<1	0.6	2020	0.78	0.10	6.66	0.212	0.93	1.7
V471682 V471683 V471684 V471685 V471686																
V471687 V471688 V471689 V471690 V471691																
V471692 V471693 V471694 V471695 V471696																
V471697 V471698 V471699 V471700 V471701		11.9	99.0	0.006	0.52	3.36	5.4	<1	0.5	724	0.64	0.14	4.47	0.198	1.34	1.6
V471702 V471703 V471704 V471705 V471706																
V471707 V471708 V471709 V471710 V471711																
V471712 V471713 V471714 V471715 V471716																



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V471677 V471678 V471679 V471680 V471681		103	40.2	16.8	74	116.0
V471682 V471683 V471684 V471685 V471686						
V471687 V471688 V471689 V471690 V471691						
V471692 V471693 V471694 V471695 V471696						
V471697 V471698 V471699 V471700 V471701		104	38.4	9.5	83	120.5
V471702 V471703 V471704 V471705 V471706						
V471707 V471708 V471709 V471710 V471711						
V471712 V471713 V471714 V471715 V471716						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V471717		2.07	0.012													
V471718		2.24	0.007													
V471719		2.23	0.017													
V471720		1.23	0.145													
V471721		0.98	0.133													
V471722		2.06	0.052	0.13	6.49	4.5	570	1.73	1.25	6.27	0.09	37.9	40.5	225	4.62	47.0
V471723		2.39	0.020													
V471724		2.10	0.028													
V471725		2.15	0.006													
V471726		1.89	0.018													
V471727		1.96	0.017													
V471728		2.01	0.026													
V471729		2.06	<0.001													
V471730		1.93	0.020													
V471731		2.15	0.024													
V471732		2.10	0.007													
V471733		2.22	0.007													
V471734		1.98	0.005													
V471735		2.08	0.005													
V471736		0.77	<0.001													
V471737		1.93	0.003													
V471738		1.89	0.006													
V471739		2.08	0.010													
V471740		2.59	0.015	0.15	6.09	8.1	790	2.62	1.24	7.85	0.15	78.7	34.4	230	5.01	184.0
V471741		2.55	0.036													
V471742		2.39	0.017													
V471743		2.38	0.014													
V471744		2.00	0.018													
V471745		2.10	0.015													
V471746		2.10	0.010													
V471747		1.84	0.010													
V471748		2.62	0.036													
V471749		2.40	0.020													
V471750		2.61	0.006													
V471751		2.46	0.003													
V471752		0.07	0.132													
V471753		1.93	0.014													
V471754		1.99	0.034													
V471755		2.13	0.030													
V471756		1.81	0.013													



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19115679

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V471717 V471718 V471719 V471720 V471721		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V471722 V471723 V471724 V471725 V471726		7.04	13.25	0.09	1.0	0.041	1.88	22.1	16.2	2.15	1460	0.95	2.41	1.1	72.1	200
V471727 V471728 V471729 V471730 V471731																
V471732 V471733 V471734 V471735 V471736																
V471737 V471738 V471739 V471740 V471741		8.47	12.80	0.13	0.9	0.053	2.26	43.7	62.3	2.57	2400	17.80	1.99	1.8	115.5	180
V471742 V471743 V471744 V471745 V471746																
V471747 V471748 V471749 V471750 V471751																
V471752 V471753 V471754 V471755 V471756																



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CERTIFICATE OF ANALYSIS VO19115679

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V471717 V471718 V471719 V471720 V471721		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V471722 V471723 V471724 V471725 V471726		4.0	97.2	<0.002	2.16	1.30	29.9	1	0.3	315	0.06	0.31	0.32	0.224	0.56	0.4
V471727 V471728 V471729 V471730 V471731																
V471732 V471733 V471734 V471735 V471736																
V471737 V471738 V471739 V471740 V471741		4.8	129.0	0.026	1.45	2.66	35.6	1	0.3	433	0.06	0.24	1.09	0.245	0.60	0.5
V471742 V471743 V471744 V471745 V471746																
V471747 V471748 V471749 V471750 V471751																
V471752 V471753 V471754 V471755 V471756																



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CERTIFICATE OF ANALYSIS VO19115679

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471717 V471718 V471719 V471720 V471721						
V471722 V471723 V471724 V471725 V471726		188	2.1	6.4	44	31.8
V471727 V471728 V471729 V471730 V471731						
V471732 V471733 V471734 V471735 V471736						
V471737 V471738 V471739 V471740 V471741		212	8.5	11.5	87	33.5
V471742 V471743 V471744 V471745 V471746						
V471747 V471748 V471749 V471750 V471751						
V471752 V471753 V471754 V471755 V471756						



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CERTIFICATE OF ANALYSIS VO19115679

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
V471757		2.05	0.010													
V471758		2.40	0.007													
V471759		2.49	0.253													
V471760		2.50	0.201	0.51	6.04	18.4	700	1.40	1.09	9.82	0.14	145.0	26.3	65	9.88	109.5
V471761		2.55	0.016													
V471762		2.10	0.010													
V471763		2.13	0.025													
V471764		1.90	0.008													
V471765		1.98	0.008													
V471766		2.15	0.009													
V471767		2.15	0.015													
V471768		2.38	0.022													
V471769		<0.02	0.020													
V471770		2.13	0.016													
V471771		2.69	0.022													



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CERTIFICATE OF ANALYSIS VO19115679

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V471757 V471758 V471759 V471760 V471761					5.84	13.65	0.13	1.4	0.046	1.83	84.2	120.0	1.64	3030	3.63	2.97	8.2	32.5	350	
V471762 V471763 V471764 V471765 V471766																				
V471767 V471768 V471769 V471770 V471771																				

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



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V471757 V471758 V471759 V471760 V471761		10.2	116.5	0.006	1.67	2.37	29.5	1	0.5	881	0.12	0.35	3.22	0.401	0.94	1.4
V471762 V471763 V471764 V471765 V471766																
V471767 V471768 V471769 V471770 V471771																



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CERTIFICATE OF ANALYSIS VO19115679

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V471757 V471758 V471759 V471760 V471761		197	4.5	10.7	51	55.3
V471762 V471763 V471764 V471765 V471766						
V471767 V471768 V471769 V471770 V471771						



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CERTIFICATE OF ANALYSIS VO19115679

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada												
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;">LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.												
	Au-ICP21 ME-MS61												



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CERTIFICATE VO19116562

Project: DOUAY

This report is for 1 Drill Core sample submitted to our lab in Val d'Or, QC, Canada on 15-MAY-2019.

The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SPL-21	Split sample - riffle splitter
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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: Original workorder VO19104002.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19116562

Sample Description	Method Analyte Units LOD
V468412	Au-GRA21 Au ppm 0.05 30.4

Comments: Original workorder VO19104002.

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



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19116562

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-GRA21

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
PUL-QC



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CERTIFICATE VO19122667

Project: DOUAY
 P.O. No.: MGM1905
 This report is for 2 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 22-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
LOG-21	Sample logging - ClientBarCode
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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: Original workorder VO19111115.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19122667

Sample Description	Method Analyte Units LOD
A0103469 A0103586	Au-GR21 Au ppm 0.05 13.20 12.05

Comments: Original workorder VO19111115.

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



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19122667

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada FND-03 LOG-21 PUL-31 SPL-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-GRA21



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 Account: VISAU

CERTIFICATE VO19127426

Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19127426

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101017		1.52	0.010													
A0101018		1.85	0.009													
A0101019		2.26	0.014													
A0101020		1.99	0.011													
A0101021		2.48	0.011													
A0101022		1.99	0.007													
A0101023		2.45	0.006													
A0101024		1.08	0.008													
A0101025		1.02	0.007													
A0101026		2.54	0.006													
A0101027		2.30	0.004													
A0101028		2.27	0.005													
A0101029		2.34	0.002													
A0101030		2.31	0.004	0.10	5.81	6.9	380	2.77	0.17	8.68	0.20	140.5	31.0	278	2.36	34.0
A0101031		2.28	0.006													
A0101032		2.37	0.008													
A0101033		2.44	0.008													
A0101034		2.41	0.043													
A0101035		2.50	0.016													
A0101036		2.39	0.009													
A0101037		2.38	0.008													
A0101038		2.34	0.275													
A0101039		2.18	0.009													
A0101040		0.73	<0.001													
A0101041		2.32	0.018													
A0101042		2.31	0.012													
A0101043		2.43	0.055													
A0101044		2.64	1.205													
A0101045		2.44	0.029													
A0101046		2.37	0.022													
A0101047		2.46	0.004													
A0101048		2.32	0.002													
A0101049		2.47	0.002													
A0101050		2.43	0.002	0.14	4.44	10.4	350	13.15	0.08	15.90	0.20	335	28.0	71	1.92	206
A0101051		1.58	0.001													
A0101052		2.03	0.002													
A0101053		1.12	0.002													
A0101054		2.04	0.001													
A0101055		2.27	0.005													
A0101056		0.06	0.520													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0101017 A0101018 A0101019 A0101020 A0101021																
A0101022 A0101023 A0101024 A0101025 A0101026																
A0101027 A0101028 A0101029 A0101030 A0101031		5.57	15.60	0.23	1.4	0.045	3.29	57.5	98.6	2.45	1980	0.21	2.37	28.9	82.3	1730
A0101032 A0101033 A0101034 A0101035 A0101036																
A0101037 A0101038 A0101039 A0101040 A0101041																
A0101042 A0101043 A0101044 A0101045 A0101046																
A0101047 A0101048 A0101049 A0101050 A0101051		5.06	13.90	0.53	3.2	0.049	2.19	110.5	114.5	1.93	1420	0.05	1.78	20.2	73.8	6020
A0101052 A0101053 A0101054 A0101055 A0101056																



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		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0101017 A0101018 A0101019 A0101020 A0101021		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101022 A0101023 A0101024 A0101025 A0101026																
A0101027 A0101028 A0101029 A0101030 A0101031		7.6	133.5	<0.002	1.04	2.51	30.4	1	0.4	1385	0.59	0.07	2.95	0.288	0.38	1.8
A0101032 A0101033 A0101034 A0101035 A0101036																
A0101037 A0101038 A0101039 A0101040 A0101041																
A0101042 A0101043 A0101044 A0101045 A0101046																
A0101047 A0101048 A0101049 A0101050 A0101051		7.3	93.8	<0.002	0.42	2.46	22.0	1	0.7	4790	1.38	<0.05	12.20	0.396	0.24	1.5
A0101052 A0101053 A0101054 A0101055 A0101056																



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A0101017 A0101018 A0101019 A0101020 A0101021						
A0101022 A0101023 A0101024 A0101025 A0101026						
A0101027 A0101028 A0101029 A0101030 A0101031		258	8.6	19.5	122	92.9
A0101032 A0101033 A0101034 A0101035 A0101036						
A0101037 A0101038 A0101039 A0101040 A0101041						
A0101042 A0101043 A0101044 A0101045 A0101046						
A0101047 A0101048 A0101049 A0101050 A0101051		172	2.8	59.9	70	247
A0101052 A0101053 A0101054 A0101055 A0101056						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
A0101057		2.30	0.003														
A0101058		2.31	0.004														
A0101059		2.25	0.004														
A0101060		2.33	0.003														
A0101061		2.25	0.006														
A0101062		2.40	0.005														
A0101063		1.82	<0.001														
A0101064		1.98	0.001														
A0101065		2.33	<0.001														
A0101066		2.17	<0.001														
A0101067		2.13	<0.001														
A0101068		2.16	<0.001														
A0101069		2.20	<0.001														
A0101070		2.19	<0.001	0.24	6.75	11.0	390	5.52	0.60	11.30	0.15	234	17.4	13	18.05	147.5	
A0101071		2.09	<0.001														
A0101072		1.85	0.002														
A0101073		<0.02	0.003														
A0101074		2.18	<0.001														
A0101075		2.24	<0.001														
A0101076		2.44	<0.001														
A0101077		2.07	<0.001														
A0101078		2.02	0.001														
A0101079		2.49	<0.001														
A0101080		2.19	<0.001														
A0101081		2.17	<0.001														
A0101082		2.26	0.003														
A0101083		2.08	0.005														
A0101084		2.01	0.002														
A0101085		1.96	0.001														
A0101086		1.91	0.003														
A0101087		2.05	0.005														
A0101088		0.71	0.001														
A0101089		2.13	0.003														
A0101090		2.08	0.001	0.05	7.72	10.6	460	4.47	0.16	6.75	0.16	210	11.8	8	11.85	60.3	
A0101091		2.07	<0.001														
A0101092		2.59	0.004														
A0101093		2.10	0.002														
A0101094		2.16	0.003														
A0101095		2.14	0.005														
A0101096		2.19	0.005														



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101057 A0101058 A0101059 A0101060 A0101061		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101062 A0101063 A0101064 A0101065 A0101066																
A0101067 A0101068 A0101069 A0101070 A0101071		4.96	20.3	0.43	4.1	0.043	3.05	75.6	186.0	2.59	1480	0.33	2.54	21.6	11.5	4630
A0101072 A0101073 A0101074 A0101075 A0101076																
A0101077 A0101078 A0101079 A0101080 A0101081																
A0101082 A0101083 A0101084 A0101085 A0101086																
A0101087 A0101088 A0101089 A0101090 A0101091		4.38	27.1	0.43	5.1	0.030	4.13	73.5	124.0	1.21	1020	0.29	3.09	38.5	8.7	4300
A0101092 A0101093 A0101094 A0101095 A0101096																



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A0101057 A0101058 A0101059 A0101060 A0101061																
A0101062 A0101063 A0101064 A0101065 A0101066																
A0101067 A0101068 A0101069 A0101070 A0101071		10.7	150.0	<0.002	1.10	0.96	5.8	2	0.7	1015	1.56	0.25	13.55	0.332	0.46	2.2
A0101072 A0101073 A0101074 A0101075 A0101076																
A0101077 A0101078 A0101079 A0101080 A0101081																
A0101082 A0101083 A0101084 A0101085 A0101086																
A0101087 A0101088 A0101089 A0101090 A0101091		8.2	175.5	<0.002	0.23	1.82	4.3	1	0.9	910	1.61	<0.05	13.70	0.421	0.48	1.8
A0101092 A0101093 A0101094 A0101095 A0101096																



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A0101057 A0101058 A0101059 A0101060 A0101061						
A0101062 A0101063 A0101064 A0101065 A0101066						
A0101067 A0101068 A0101069 A0101070 A0101071		122	0.7	43.2	89	280
A0101072 A0101073 A0101074 A0101075 A0101076						
A0101077 A0101078 A0101079 A0101080 A0101081						
A0101082 A0101083 A0101084 A0101085 A0101086						
A0101087 A0101088 A0101089 A0101090 A0101091		140	4.3	46.6	82	333
A0101092 A0101093 A0101094 A0101095 A0101096						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101097		2.08	0.005													
A0101098		2.31	0.014													
A0101099		2.12	<0.001													
A0101100		2.27	0.001													
A0101101		2.27	0.003													
A0101102		2.19	<0.001													
A0101103		1.97	0.002													
A0101104		0.05	2.96													
A0101105		2.09	0.778													
A0101106		1.99	0.007													
A0101107		1.85	0.022													
A0101108		1.70	0.023													
A0101109		1.72	0.014													
A0101110		1.76	0.006	0.10	7.57	3.6	890	1.48	0.66	2.76	0.14	75.3	5.2	8	1.30	25.8
A0101111		1.73	0.004													
A0101112		1.69	0.020													
A0101113		1.86	0.017													
A0101114		1.65	0.012													
A0101115		1.79	0.031													
A0101116		1.88	0.004													
A0101117		1.88	0.001													
A0101118		1.80	<0.001													
A0101119		2.18	0.001													
A0101120		1.12	0.001													
A0101121		0.95	0.001													
A0101122		2.35	0.006													
A0101123		2.32	0.002													
A0101124		2.40	0.001													
A0101125		1.96	0.002													
A0101126		1.76	0.004													
A0101127		1.62	<0.001													
A0101128		2.00	0.001													
A0101129		2.03	<0.001													
A0101130		2.19	<0.001	0.08	7.65	2.4	750	1.54	0.10	2.31	0.05	84.5	4.3	12	1.42	37.9
A0101131		2.15	<0.001													
A0101132		2.35	0.013													
A0101133		2.02	0.032													
A0101134		1.91	0.018													
A0101135		1.94	0.014													
A0101136		0.83	<0.001													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101097 A0101098 A0101099 A0101100 A0101101		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101102 A0101103 A0101104 A0101105 A0101106																
A0101107 A0101108 A0101109 A0101110 A0101111		1.86	22.8	0.15	4.0	0.014	2.72	31.3	6.3	0.41	458	2.23	5.78	16.8	5.0	580
A0101112 A0101113 A0101114 A0101115 A0101116																
A0101117 A0101118 A0101119 A0101120 A0101121																
A0101122 A0101123 A0101124 A0101125 A0101126																
A0101127 A0101128 A0101129 A0101130 A0101131		1.79	23.8	0.16	4.1	0.012	4.04	37.3	7.7	0.45	504	0.26	4.93	8.6	6.5	490
A0101132 A0101133 A0101134 A0101135 A0101136																



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A0101097 A0101098 A0101099 A0101100 A0101101																
A0101102 A0101103 A0101104 A0101105 A0101106																
A0101107 A0101108 A0101109 A0101110 A0101111		24.4	65.0	<0.002	0.43	3.44	1.8	1	0.6	1030	0.44	0.17	6.11	0.139	0.36	2.4
A0101112 A0101113 A0101114 A0101115 A0101116																
A0101117 A0101118 A0101119 A0101120 A0101121																
A0101122 A0101123 A0101124 A0101125 A0101126																
A0101127 A0101128 A0101129 A0101130 A0101131		6.6	118.5	<0.002	0.04	2.21	2.1	<1	0.4	405	0.24	<0.05	6.85	0.092	0.68	2.0
A0101132 A0101133 A0101134 A0101135 A0101136																



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A0101097 A0101098 A0101099 A0101100 A0101101						
A0101102 A0101103 A0101104 A0101105 A0101106						
A0101107 A0101108 A0101109 A0101110 A0101111		27	3.7	10.0	79	197.5
A0101112 A0101113 A0101114 A0101115 A0101116						
A0101117 A0101118 A0101119 A0101120 A0101121						
A0101122 A0101123 A0101124 A0101125 A0101126						
A0101127 A0101128 A0101129 A0101130 A0101131		28	4.1	9.4	49	215
A0101132 A0101133 A0101134 A0101135 A0101136						



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					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu		
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2		
A0101137					1.88	0.020															
A0101138					2.26	0.023															



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Project: DOUAY

CERTIFICATE OF ANALYSIS VO19127426

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
A0101137 A0101138																				

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



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CERTIFICATE OF ANALYSIS VO19127426

Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
A0101137 A0101138																				



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CERTIFICATE OF ANALYSIS VO19127426

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101137 A0101138						



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CERTIFICATE OF ANALYSIS VO19127426

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
CRU-31 CRU-QC LOG-21 LOG-21d
LOG-24 PUL-31 PUL-31d PUL-QC
SPL-21 SPL-21d WEI-21



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CERTIFICATE VO19127443

Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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CERTIFICATE OF ANALYSIS VO19127443

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101139		2.33	0.016													
A0101140		1.92	0.053													
A0101141		2.33	0.010													
A0101142		2.10	0.011													
A0101143		1.84	0.015													
A0101144		1.71	0.010													
A0101145		2.01	0.014													
A0101146		1.82	0.009													
A0101147		1.90	0.005													
A0101148		2.18	0.008													
A0101149		2.06	0.006													
A0101150		2.12	0.007	0.16	7.92	4.7	130	2.17	0.71	2.84	0.07	189.0	5.0	9	0.65	11.5
A0101151		1.98	0.008													
A0101152		0.07	0.140													
A0101153		1.73	0.009													
A0101154		1.94	0.008													
A0101155		1.94	0.018													
A0101156		2.09	0.010													
A0101157		2.16	0.013													
A0101158		2.06	0.017													
A0101159		2.21	0.012													
A0101160		2.13	0.013													
A0101161		2.02	0.009													
A0101162		1.67	0.014													
A0101163		1.85	0.008													
A0101164		1.87	0.004													
A0101165		2.43	0.010													
A0101166		2.16	0.010													
A0101167		2.24	0.013													
A0101168		1.97	0.013													
A0101169		<0.02	0.015													
A0101170		2.20	0.004	0.07	7.42	6.1	740	4.18	0.25	3.50	0.06	182.5	4.7	8	3.87	47.4
A0101171		2.25	0.008													
A0101172		2.29	0.013													
A0101173		2.20	0.013													
A0101174		2.13	0.011													
A0101175		1.81	0.024													
A0101176		1.82	0.025													
A0101177		1.78	0.034													
A0101178		1.74	0.021													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0101139 A0101140 A0101141 A0101142 A0101143																
A0101144 A0101145 A0101146 A0101147 A0101148																
A0101149 A0101150 A0101151 A0101152 A0101153		1.86	25.9	0.22	4.9	0.014	0.88	83.6	11.3	0.45	535	1.16	6.98	22.6	8.1	1080
A0101154 A0101155 A0101156 A0101157 A0101158																
A0101159 A0101160 A0101161 A0101162 A0101163																
A0101164 A0101165 A0101166 A0101167 A0101168																
A0101169 A0101170 A0101171 A0101172 A0101173		2.22	26.2	0.25	5.0	0.016	3.03	78.8	48.6	0.47	683	1.21	5.10	36.0	5.4	1390
A0101174 A0101175 A0101176 A0101177 A0101178																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0101139 A0101140 A0101141 A0101142 A0101143		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101144 A0101145 A0101146 A0101147 A0101148																
A0101149 A0101150 A0101151 A0101152 A0101153		11.6	37.6	<0.002	0.56	2.01	1.2	1	0.6	262	0.48	0.18	12.45	0.130	0.22	3.4
A0101154 A0101155 A0101156 A0101157 A0101158																
A0101159 A0101160 A0101161 A0101162 A0101163																
A0101164 A0101165 A0101166 A0101167 A0101168																
A0101169 A0101170 A0101171 A0101172 A0101173		10.8	133.5	<0.002	0.18	1.68	1.3	1	0.6	414	0.74	0.07	12.85	0.165	0.68	3.5
A0101174 A0101175 A0101176 A0101177 A0101178																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101139 A0101140 A0101141 A0101142 A0101143						
A0101144 A0101145 A0101146 A0101147 A0101148						
A0101149 A0101150 A0101151 A0101152 A0101153		34	4.4	17.7	48	257
A0101154 A0101155 A0101156 A0101157 A0101158						
A0101159 A0101160 A0101161 A0101162 A0101163						
A0101164 A0101165 A0101166 A0101167 A0101168						
A0101169 A0101170 A0101171 A0101172 A0101173		71	4.3	18.7	82	265
A0101174 A0101175 A0101176 A0101177 A0101178						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101179		1.78	0.010													
A0101180		1.82	0.017													
A0101181		1.83	0.019													
A0101182		1.75	0.014													
A0101183		2.22	0.028													
A0101184		0.71	<0.001													
A0101185		2.23	0.012													
A0101186		2.29	0.024													
A0101187		2.15	0.013													
A0101188		2.00	0.016													
A0101189		1.86	0.032													
A0101190		1.87	0.036	0.17	8.79	5.9	160	1.45	0.79	1.80	0.03	108.0	4.3	7	0.99	10.8
A0101191		2.17	0.154													
A0101192		2.12	0.286													
A0101193		2.71	0.382													
A0101194		2.39	0.003													
A0101195		2.46	0.006													
A0101196		2.41	0.043													
A0101197		1.92	0.382													
A0101198		1.82	0.954													
A0101199		1.90	0.130													
A0101200		0.06	0.492													
A0101201		2.15	0.107													
A0101202		2.35	0.025													
A0101203		2.27	0.039													
A0101204		2.50	0.022													
A0101205		2.20	0.018													
A0101206		1.83	0.029													
A0101207		1.98	0.013													
A0101208		0.06	3.00													
A0101209		1.70	0.004													
A0101210		2.03	0.021	0.10	7.88	5.2	650	1.50	0.38	2.29	0.06	84.1	5.3	16	0.94	9.3
A0101211		2.20	0.013													
A0101212		2.39	0.020													
A0101213		2.04	0.010													
A0101214		2.43	0.010													
A0101215		1.99	0.010													
A0101216		1.90	0.024													
A0101217		1.97	0.154													
A0101218		2.08	0.144													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
A0101179 A0101180 A0101181 A0101182 A0101183																
A0101184 A0101185 A0101186 A0101187 A0101188																
A0101189 A0101190 A0101191 A0101192 A0101193		1.51	25.7	0.16	4.9	0.009	2.08	54.5	12.3	0.33	351	2.06	6.77	14.8	4.7	290
A0101194 A0101195 A0101196 A0101197 A0101198																
A0101199 A0101200 A0101201 A0101202 A0101203																
A0101204 A0101205 A0101206 A0101207 A0101208																
A0101209 A0101210 A0101211 A0101212 A0101213		1.96	22.0	0.16	3.4	0.016	3.62	37.4	13.6	0.45	419	0.67	5.31	11.0	9.7	450
A0101214 A0101215 A0101216 A0101217 A0101218																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
A0101179 A0101180 A0101181 A0101182 A0101183		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101184 A0101185 A0101186 A0101187 A0101188																
A0101189 A0101190 A0101191 A0101192 A0101193		7.2	78.5	0.002	0.47	1.76	1.3	<1	0.6	136.0	0.34	0.23	10.40	0.111	0.43	3.0
A0101194 A0101195 A0101196 A0101197 A0101198																
A0101199 A0101200 A0101201 A0101202 A0101203																
A0101204 A0101205 A0101206 A0101207 A0101208																
A0101209 A0101210 A0101211 A0101212 A0101213		8.6	106.5	0.002	0.45	1.39	2.2	<1	0.5	447	0.37	0.07	6.20	0.114	0.61	1.4
A0101214 A0101215 A0101216 A0101217 A0101218																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101179 A0101180 A0101181 A0101182 A0101183						
A0101184 A0101185 A0101186 A0101187 A0101188						
A0101189 A0101190 A0101191 A0101192 A0101193		26	3.6	10.4	33	254
A0101194 A0101195 A0101196 A0101197 A0101198						
A0101199 A0101200 A0101201 A0101202 A0101203						
A0101204 A0101205 A0101206 A0101207 A0101208						
A0101209 A0101210 A0101211 A0101212 A0101213		39	3.5	7.5	63	169.5
A0101214 A0101215 A0101216 A0101217 A0101218						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101219		2.21	0.085													
A0101220		2.18	0.128													
A0101221		2.24	0.131													
A0101222		2.16	0.042													
A0101223		2.06	0.037													
A0101224		1.04	0.019													
A0101225		0.87	0.017													
A0101226		1.83	0.063													
A0101227		2.03	0.020													
A0101228		1.89	0.129													
A0101229		2.12	0.028													
A0101230		2.10	0.023	0.16	8.08	8.5	580	1.06	0.44	2.02	0.06	66.1	4.1	11	0.53	13.9
A0101231		2.15	0.020													
A0101232		2.13	0.024													
A0101233		1.74	0.034													
A0101234		1.87	0.018													
A0101235		1.50	0.035													
A0101236		1.54	0.031													
A0101237		1.69	0.027													
A0101238		2.05	0.036													
A0101239		2.38	0.056													
A0101240		0.77	<0.001													
A0101241		1.94	0.024													
A0101242		1.76	0.070													
A0101243		2.29	0.117													
A0101244		1.86	0.063													
A0101245		2.00	1.485													
A0101246		2.08	0.091													
A0101247		2.04	0.031													
A0101248		2.06	0.023													
A0101249		2.05	0.582													
A0101250		2.15	0.012	0.21	5.97	19.8	1060	2.04	0.16	7.94	0.13	253	16.4	57	1.44	60.1
A0101251		2.16	0.023													
A0101252		2.04	0.002													
A0101253		2.10	0.003													
A0101254		2.27	0.012													
A0101255		2.27	0.026													
A0101256		0.06	0.141													
A0101257		2.25	0.033													
A0101258		2.28	0.026													



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CERTIFICATE OF ANALYSIS VO19127443

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101219 A0101220 A0101221 A0101222 A0101223		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101224 A0101225 A0101226 A0101227 A0101228																
A0101229 A0101230 A0101231 A0101232 A0101233		1.84	22.6	0.13	3.5	0.009	2.55	30.3	5.5	0.42	394	0.28	6.17	10.5	6.0	380
A0101234 A0101235 A0101236 A0101237 A0101238																
A0101239 A0101240 A0101241 A0101242 A0101243																
A0101244 A0101245 A0101246 A0101247 A0101248																
A0101249 A0101250 A0101251 A0101252 A0101253		4.00	16.35	0.34	3.0	0.041	4.40	96.0	12.8	1.91	1130	2.38	2.29	33.0	45.2	7950
A0101254 A0101255 A0101256 A0101257 A0101258																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101219 A0101220 A0101221 A0101222 A0101223																
A0101224 A0101225 A0101226 A0101227 A0101228																
A0101229 A0101230 A0101231 A0101232 A0101233		15.0	71.4	<0.002	0.84	1.34	1.7	<1	0.5	331	0.29	0.10	7.83	0.101	0.43	1.5
A0101234 A0101235 A0101236 A0101237 A0101238																
A0101239 A0101240 A0101241 A0101242 A0101243																
A0101244 A0101245 A0101246 A0101247 A0101248																
A0101249 A0101250 A0101251 A0101252 A0101253		11.7	176.0	0.002	1.02	3.75	7.1	<1	0.6	1065	1.25	0.21	11.05	0.221	1.08	2.4
A0101254 A0101255 A0101256 A0101257 A0101258																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101219 A0101220 A0101221 A0101222 A0101223						
A0101224 A0101225 A0101226 A0101227 A0101228						
A0101229 A0101230 A0101231 A0101232 A0101233		21	3.6	7.7	51	175.0
A0101234 A0101235 A0101236 A0101237 A0101238						
A0101239 A0101240 A0101241 A0101242 A0101243						
A0101244 A0101245 A0101246 A0101247 A0101248						
A0101249 A0101250 A0101251 A0101252 A0101253		127	11.4	22.1	86	158.0
A0101254 A0101255 A0101256 A0101257 A0101258						



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101259		2.49	0.020													
A0101260		2.23	0.019													



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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101259 A0101260																



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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101259 A0101260																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101259 A0101260						



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CERTIFICATE OF ANALYSIS VO19127443

	CERTIFICATE COMMENTS												
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p> <p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61</p> <p>Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>LOG-21d</td></tr><tr><td>LOG-24</td><td>PUL-31</td><td>PUL-31d</td><td>PUL-QC</td></tr><tr><td>SPL-21</td><td>SPL-21d</td><td>WEI-21</td><td></td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											



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CERTIFICATE VO19127445

Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101261		2.33	0.099													
A0101262		2.32	0.012													
A0101263		2.17	0.013													
A0101264		2.20	0.030													
A0101265		2.42	0.027													
A0101266		2.15	0.043													
A0101267		2.20	0.043													
A0101268		2.27	0.048													
A0101269		2.23	0.112													
A0101270		2.28	0.049	0.16	5.05	41.0	950	2.31	0.15	13.30	0.17	472	17.7	15	2.16	156.5
A0101271		2.30	0.049													
A0101272		2.34	0.041													
A0101273		<0.02	0.049													
A0101274		2.26	0.060													
A0101275		2.50	0.013													
A0101276		2.18	0.039													
A0101277		2.29	0.059													
A0101278		2.30	0.012													
A0101279		2.28	0.032													
A0101280		2.17	0.027													
A0101281		2.19	0.052													
A0101282		2.19	0.062													
A0101283		2.19	0.078													
A0101284		2.26	0.063													
A0101285		2.21	0.037													
A0101286		2.09	0.071													
A0101287		2.31	0.082													
A0101288		0.95	<0.001													
A0101289		2.21	0.052													
A0101290		2.13	0.031	0.17	6.92	38.5	1060	5.69	0.30	6.57	0.11	197.0	18.4	53	3.08	29.0
A0101291		2.32	0.041													
A0101292		2.31	0.042													
A0101293		2.29	0.033													
A0101294		2.26	0.040													
A0101295		2.24	0.038													
A0101296		2.21	0.089													
A0101297		2.18	0.026													
A0101298		2.10	0.033													
A0101299		2.37	0.051													
A0101300		2.30	0.071													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe %	ME-MS61 Ga ppm	ME-MS61 Ge ppm	ME-MS61 Hf ppm	ME-MS61 In ppm	ME-MS61 K %	ME-MS61 La ppm	ME-MS61 Li ppm	ME-MS61 Mg %	ME-MS61 Mn ppm	ME-MS61 Mo ppm	ME-MS61 Na %	ME-MS61 Nb ppm	ME-MS61 Ni ppm	ME-MS61 P ppm
A0101261 A0101262 A0101263 A0101264 A0101265		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101266 A0101267 A0101268 A0101269 A0101270		4.82	18.50	0.52	2.6	0.040	5.06	142.0	11.1	1.16	1010	0.66	0.94	48.5	13.3	>10000
A0101271 A0101272 A0101273 A0101274 A0101275																
A0101276 A0101277 A0101278 A0101279 A0101280																
A0101281 A0101282 A0101283 A0101284 A0101285																
A0101286 A0101287 A0101288 A0101289 A0101290		3.93	21.5	0.24	3.4	0.029	4.48	76.7	118.5	1.68	1060	4.99	2.58	21.5	52.0	4010
A0101291 A0101292 A0101293 A0101294 A0101295																
A0101296 A0101297 A0101298 A0101299 A0101300																



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CERTIFICATE OF ANALYSIS VO19127445

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101261 A0101262 A0101263 A0101264 A0101265																
A0101266 A0101267 A0101268 A0101269 A0101270		11.0	172.0	0.003	2.48	2.14	2.7	2	0.6	3280	2.84	0.37	21.9	0.249	1.13	2.0
A0101271 A0101272 A0101273 A0101274 A0101275																
A0101276 A0101277 A0101278 A0101279 A0101280																
A0101281 A0101282 A0101283 A0101284 A0101285																
A0101286 A0101287 A0101288 A0101289 A0101290		11.8	157.0	0.003	2.24	1.72	7.3	1	0.5	1390	0.42	0.37	16.20	0.191	1.16	2.5
A0101291 A0101292 A0101293 A0101294 A0101295																
A0101296 A0101297 A0101298 A0101299 A0101300																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101261 A0101262 A0101263 A0101264 A0101265						
A0101266 A0101267 A0101268 A0101269 A0101270		180	2.9	29.6	50	172.0
A0101271 A0101272 A0101273 A0101274 A0101275						
A0101276 A0101277 A0101278 A0101279 A0101280						
A0101281 A0101282 A0101283 A0101284 A0101285						
A0101286 A0101287 A0101288 A0101289 A0101290		123	4.1	14.4	80	177.0
A0101291 A0101292 A0101293 A0101294 A0101295						
A0101296 A0101297 A0101298 A0101299 A0101300						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101301		2.27	0.025													
A0101302		2.21	0.069													
A0101303		2.20	0.019													
A0101304		0.07	0.517													
A0101305		2.34	0.021													
A0101306		2.19	0.026													
A0101307		2.15	0.029													
A0101308		2.19	0.105													
A0101309		2.20	0.035													
A0101310		2.12	0.016	0.12	7.24	20.8	2450	2.92	0.74	5.23	0.10	94.1	10.5	45	2.35	28.5
A0101311		2.09	0.033													
A0101312		2.09	0.012													
A0101313		2.20	0.037													
A0101314		2.09	0.081													
A0101315		2.07	0.035													
A0101316		2.10	0.034													
A0101317		2.05	0.046													
A0101318		2.03	0.034													
A0101319		2.09	0.002													
A0101320		1.03	0.038													
A0101321		0.98	0.040													
A0101322		2.12	0.023													
A0101323		2.06	0.031													
A0101324		1.96	0.046													
A0101325		2.22	0.038													
A0101326		2.16	0.037													
A0101327		1.97	0.043													
A0101328		2.04	0.036													
A0101329		2.11	0.036													
A0101330		2.01	0.029	0.15	7.05	37.1	1210	2.32	0.22	6.61	0.10	159.5	13.1	49	0.82	32.7
A0101331		2.21	0.068													
A0101332		2.30	0.054													
A0101333		2.23	0.042													
A0101334		2.25	0.148													
A0101335		2.25	0.233													
A0101336		0.50	0.001													
A0101337		2.26	0.036													
A0101338		2.24	0.047													
A0101339		2.24	0.071													
A0101340		2.12	0.006													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
A0101301 A0101302 A0101303 A0101304 A0101305																
A0101306 A0101307 A0101308 A0101309 A0101310		2.42	17.35	0.17	2.6	0.017	4.48	38.1	40.9	1.13	791	3.41	2.29	22.2	32.5	1790
A0101311 A0101312 A0101313 A0101314 A0101315																
A0101316 A0101317 A0101318 A0101319 A0101320																
A0101321 A0101322 A0101323 A0101324 A0101325																
A0101326 A0101327 A0101328 A0101329 A0101330		3.29	20.2	0.20	3.2	0.024	2.76	70.8	22.2	1.58	802	4.82	4.23	18.9	41.2	1960
A0101331 A0101332 A0101333 A0101334 A0101335																
A0101336 A0101337 A0101338 A0101339 A0101340																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
A0101301 A0101302 A0101303 A0101304 A0101305		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101306 A0101307 A0101308 A0101309 A0101310		10.1	96.7	0.017	0.75	1.23	5.0	1	0.5	1780	0.37	0.13	5.96	0.174	1.43	1.2
A0101311 A0101312 A0101313 A0101314 A0101315																
A0101316 A0101317 A0101318 A0101319 A0101320																
A0101321 A0101322 A0101323 A0101324 A0101325																
A0101326 A0101327 A0101328 A0101329 A0101330		11.9	75.0	<0.002	2.01	2.16	7.1	1	0.5	2280	0.28	0.36	27.2	0.205	0.68	2.3
A0101331 A0101332 A0101333 A0101334 A0101335																
A0101336 A0101337 A0101338 A0101339 A0101340																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101301 A0101302 A0101303 A0101304 A0101305						
A0101306 A0101307 A0101308 A0101309 A0101310		91	2.0	7.2	61	126.5
A0101311 A0101312 A0101313 A0101314 A0101315						
A0101316 A0101317 A0101318 A0101319 A0101320						
A0101321 A0101322 A0101323 A0101324 A0101325						
A0101326 A0101327 A0101328 A0101329 A0101330		88	3.5	17.9	79	154.5
A0101331 A0101332 A0101333 A0101334 A0101335						
A0101336 A0101337 A0101338 A0101339 A0101340						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101341		2.00	0.007													
A0101342		2.14	0.030													
A0101343		2.03	0.049													
A0101344		1.98	0.047													
A0101345		2.21	0.043													
A0101346		2.15	0.030													
A0101347		2.07	0.018													
A0101348		2.20	0.052													
A0101349		2.15	0.050													
A0101350		2.08	0.064	0.30	6.57	70.0	1340	6.28	0.36	7.37	0.15	225	20.3	33	1.16	44.9
A0101351		2.12	0.032													
A0101352		0.05	3.07													
A0101353		2.18	0.040													
A0101354		2.19	0.037													
A0101355		2.25	0.051													
A0101356		2.14	0.058													
A0101357		2.23	0.053													
A0101358		2.06	0.066													
A0101359		2.14	0.040													
A0101360		2.19	0.033													
A0101361		2.34	0.117													
A0101362		2.28	0.500													
A0101363		2.28	0.242													
A0101364		2.52	0.037													
A0101365		2.40	0.007													
A0101366		2.24	0.042													
A0101367		2.29	0.033													
A0101368		2.08	0.047													
A0101369		<0.02	0.051													
A0101370		2.06	0.014	0.05	6.33	6.0	1090	1.34	0.15	2.99	0.07	56.5	4.6	13	0.56	8.5
A0101371		1.99	0.023													
A0101372		2.10	0.013													
A0101373		2.19	0.023													
A0101374		2.20	0.265													
A0101375		2.15	0.011													
A0101376		2.24	0.025													
A0101377		2.23	0.594													
A0101378		2.28	0.018													
A0101379		2.18	0.030													
A0101380		2.13	0.004													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101341 A0101342 A0101343 A0101344 A0101345		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101346 A0101347 A0101348 A0101349 A0101350		3.31	19.85	0.24	2.9	0.023	4.99	88.9	13.1	1.15	840	5.45	2.54	32.1	40.3	7570
A0101351 A0101352 A0101353 A0101354 A0101355																
A0101356 A0101357 A0101358 A0101359 A0101360																
A0101361 A0101362 A0101363 A0101364 A0101365																
A0101366 A0101367 A0101368 A0101369 A0101370		1.54	19.70	0.13	2.8	0.018	1.86	27.6	21.3	0.49	464	1.26	4.92	6.3	5.5	370
A0101371 A0101372 A0101373 A0101374 A0101375																
A0101376 A0101377 A0101378 A0101379 A0101380																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
A0101341 A0101342 A0101343 A0101344 A0101345		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101346 A0101347 A0101348 A0101349 A0101350		11.7	102.5	0.004	2.83	1.62	4.8	1	0.4	3220	0.68	0.52	13.90	0.166	0.86	2.2
A0101351 A0101352 A0101353 A0101354 A0101355																
A0101356 A0101357 A0101358 A0101359 A0101360																
A0101361 A0101362 A0101363 A0101364 A0101365																
A0101366 A0101367 A0101368 A0101369 A0101370		9.8	38.4	<0.002	0.33	1.15	2.5	<1	0.8	1325	0.22	<0.05	2.12	0.116	0.34	0.9
A0101371 A0101372 A0101373 A0101374 A0101375																
A0101376 A0101377 A0101378 A0101379 A0101380																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101341 A0101342 A0101343 A0101344 A0101345						
A0101346 A0101347 A0101348 A0101349 A0101350		62	1.0	12.9	80	159.0
A0101351 A0101352 A0101353 A0101354 A0101355						
A0101356 A0101357 A0101358 A0101359 A0101360						
A0101361 A0101362 A0101363 A0101364 A0101365						
A0101366 A0101367 A0101368 A0101369 A0101370		52	2.1	5.7	63	106.0
A0101371 A0101372 A0101373 A0101374 A0101375						
A0101376 A0101377 A0101378 A0101379 A0101380						



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101381		2.18	0.013													
A0101382		2.15	0.006													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P		
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	10	
A0101381 A0101382																					

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
A0101381 A0101382																				



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0101381 A0101382						



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
CRU-31 CRU-QC LOG-21 LOG-21d
LOG-24 PUL-31 PUL-31d PUL-QC
SPL-21 SPL-21d WEI-21



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CERTIFICATE VO19127447

Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101383		2.40	0.011													
A0101384		0.76	0.001													
A0101385		2.05	0.010													
A0101386		2.11	0.006													
A0101387		2.28	0.007													
A0101388		2.20	0.009													
A0101389		2.13	0.002													
A0101390		2.09	0.002	0.05	6.64	17.5	1180	1.94	0.11	4.13	0.21	75.7	5.1	15	1.52	15.5
A0101391		2.01	0.002													
A0101392		2.16	0.002													
A0101393		2.22	0.002													
A0101394		2.17	0.002													
A0101395		2.16	0.012													
A0101396		2.18	0.089													
A0101397		2.16	0.149													
A0101398		2.17	0.053													
A0101399		2.11	0.005													
A0101400		0.07	0.138													
A0101401		2.19	0.005													
A0101402		2.37	0.054													
A0101403		2.35	0.171													
A0101404		2.32	0.084													
A0101405		2.31	0.178													
A0101406		2.23	0.071													
A0101407		2.06	0.009													
A0101408		0.07	0.500													
A0101409		2.30	0.008													
A0101410		2.22	0.014	0.34	7.44	32.6	4390	4.68	1.89	5.33	0.16	58.1	5.1	7	2.55	27.7
A0101411		2.32	0.011													
A0101412		2.20	0.010													
A0101413		2.12	0.007													
A0101414		2.17	0.006													
A0101415		2.29	0.006													
A0101416		2.31	0.047													
A0101417		2.22	0.190													
A0101418		2.16	0.053													
A0101419		2.17	0.111													
A0101420		2.21	0.532													
A0101421		2.38	0.085													
A0101422		2.49	0.681													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101383 A0101384 A0101385 A0101386 A0101387		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101388 A0101389 A0101390 A0101391 A0101392		1.98	21.5	0.16	4.2	0.019	7.26	28.2	11.7	0.66	771	0.26	1.97	25.1	8.9	1060
A0101393 A0101394 A0101395 A0101396 A0101397																
A0101398 A0101399 A0101400 A0101401 A0101402																
A0101403 A0101404 A0101405 A0101406 A0101407																
A0101408 A0101409 A0101410 A0101411 A0101412		2.19	25.6	0.18	3.7	0.015	6.78	19.1	100.0	0.35	600	1.02	0.88	61.8	5.4	2620
A0101413 A0101414 A0101415 A0101416 A0101417																
A0101418 A0101419 A0101420 A0101421 A0101422																



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A0101383 A0101384 A0101385 A0101386 A0101387		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101388 A0101389 A0101390 A0101391 A0101392		6.5	115.0	<0.002	0.10	1.88	2.5	1	0.7	995	0.47	0.05	4.10	0.157	0.68	1.3
A0101393 A0101394 A0101395 A0101396 A0101397																
A0101398 A0101399 A0101400 A0101401 A0101402																
A0101403 A0101404 A0101405 A0101406 A0101407																
A0101408 A0101409 A0101410 A0101411 A0101412		13.7	99.2	0.017	0.64	1.99	0.9	1	0.5	2270	1.84	0.20	1.92	0.183	1.02	0.7
A0101413 A0101414 A0101415 A0101416 A0101417																
A0101418 A0101419 A0101420 A0101421 A0101422																



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A0101383 A0101384 A0101385 A0101386 A0101387						
A0101388 A0101389 A0101390 A0101391 A0101392		90	1.8	7.4	95	211
A0101393 A0101394 A0101395 A0101396 A0101397						
A0101398 A0101399 A0101400 A0101401 A0101402						
A0101403 A0101404 A0101405 A0101406 A0101407						
A0101408 A0101409 A0101410 A0101411 A0101412		186	3.4	9.3	32	237
A0101413 A0101414 A0101415 A0101416 A0101417						
A0101418 A0101419 A0101420 A0101421 A0101422						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101423		2.36	1.815													
A0101424		0.92	0.417													
A0101425		1.02	0.347													
A0101426		2.21	0.547													
A0101427		2.35	0.573													
A0101428		2.30	4.40													
A0101429		2.41	0.126													
A0101430		2.40	0.822	1.19	5.34	65.5	480	1.70	0.13	9.06	0.18	210	21.8	4	2.03	205
A0101431		2.42	1.720													
A0101432		2.01	0.552													
A0101433		2.14	0.537													
A0101434		2.11	0.374													
A0101435		1.98	0.373													
A0101436		2.24	0.585													
A0101437		2.19	0.691													
A0101438		2.28	0.338													
A0101439		2.09	0.210													
A0101440		0.68	<0.001													
A0101441		2.12	0.111													
A0101442		2.23	0.209													
A0101443		2.23	0.032													
A0101444		2.18	0.235													
A0101445		2.32	0.264													
A0101446		2.27	0.234													
A0101447		2.48	0.031													
A0101448		2.17	0.065													
A0101449		2.39	0.047													
A0101450		2.21	0.130	1.92	7.15	46.9	2170	3.24	0.22	7.30	0.15	288	15.9	39	3.71	34.8
A0101451		2.25	0.078													
A0101452		2.19	0.172													
A0101453		2.12	0.074													
A0101454		1.97	0.021													
A0101455		2.19	0.005													
A0101456		0.06	3.04													
A0101457		2.23	0.019													
A0101458		2.25	0.041													
A0101459		2.16	0.057													
A0101460		2.31	0.038													
A0101461		2.12	0.163													
A0101462		2.30	1.570													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101423 A0101424 A0101425 A0101426 A0101427		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101428 A0101429 A0101430 A0101431 A0101432		6.57	21.1	0.38	5.2	0.050	5.86	67.4	10.9	1.33	1200	0.37	0.86	90.5	6.6	6960
A0101433 A0101434 A0101435 A0101436 A0101437																
A0101438 A0101439 A0101440 A0101441 A0101442																
A0101443 A0101444 A0101445 A0101446 A0101447																
A0101448 A0101449 A0101450 A0101451 A0101452		3.64	20.2	0.32	4.8	0.036	5.99	119.0	108.0	1.57	1190	2.44	1.83	41.9	23.6	4580
A0101453 A0101454 A0101455 A0101456 A0101457																
A0101458 A0101459 A0101460 A0101461 A0101462																



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A0101423 A0101424 A0101425 A0101426 A0101427		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101428 A0101429 A0101430 A0101431 A0101432		9.4	214	<0.002	2.03	19.75	0.9	1	1.0	992	5.16	0.61	9.50	0.455	0.83	2.1
A0101433 A0101434 A0101435 A0101436 A0101437																
A0101438 A0101439 A0101440 A0101441 A0101442																
A0101443 A0101444 A0101445 A0101446 A0101447																
A0101448 A0101449 A0101450 A0101451 A0101452		11.4	220	0.010	0.81	12.00	6.9	1	0.7	1825	0.61	1.28	14.75	0.246	1.27	2.6
A0101453 A0101454 A0101455 A0101456 A0101457																
A0101458 A0101459 A0101460 A0101461 A0101462																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101423 A0101424 A0101425 A0101426 A0101427						
A0101428 A0101429 A0101430 A0101431 A0101432		269	35.9	51.8	64	435
A0101433 A0101434 A0101435 A0101436 A0101437						
A0101438 A0101439 A0101440 A0101441 A0101442						
A0101443 A0101444 A0101445 A0101446 A0101447						
A0101448 A0101449 A0101450 A0101451 A0101452		165	6.1	21.9	86	258
A0101453 A0101454 A0101455 A0101456 A0101457						
A0101458 A0101459 A0101460 A0101461 A0101462						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101463		2.21	0.130													
A0101464		2.33	0.100													
A0101465		2.17	0.046													
A0101466		2.15	0.476													
A0101467		1.93	0.212													
A0101468		2.13	0.320													
A0101469		2.17	0.011													
A0101470		2.58	0.027	0.28	6.78	31.9	1600	2.32	0.12	5.32	0.12	157.0	10.9	36	2.23	44.8
A0101471		2.97	0.054													
A0101472		2.48	0.030													
A0101473		<0.02	0.032													
A0101474		2.58	0.062													
A0101475		2.01	0.022													
A0101476		2.17	0.034													
A0101477		2.10	0.017													
A0101478		1.99	0.291													
A0101479		2.27	0.117													
A0101480		2.39	0.318													
A0101481		2.39	0.024													
A0101482		2.46	0.007													
A0101483		2.52	0.014													
A0101484		2.19	0.049													
A0101485		2.07	0.007													
A0101486		2.39	0.012													
A0101487		2.06	0.008													
A0101488		0.89	0.001													
A0101489		2.19	0.008													
A0101490		2.33	0.007	0.13	7.07	35.1	1330	2.32	0.52	5.87	0.11	134.5	16.1	64	4.64	31.3
A0101491		2.25	0.005													
A0101492		2.30	0.004													
A0101493		2.26	0.005													
A0101494		2.07	0.004													
A0101495		2.14	0.004													
A0101496		2.12	0.005													
A0101497		2.11	0.025													
A0101498		2.28	0.013													
A0101499		2.26	0.007													
A0101500		2.35	0.011													
A0101501		2.17	0.010													
A0101502		2.25	0.006													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101463 A0101464 A0101465 A0101466 A0101467		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101468 A0101469 A0101470 A0101471 A0101472		3.12	19.90	0.23	4.1	0.024	5.41	65.0	43.8	1.25	901	1.87	0.80	15.2	17.8	1930
A0101473 A0101474 A0101475 A0101476 A0101477																
A0101478 A0101479 A0101480 A0101481 A0101482																
A0101483 A0101484 A0101485 A0101486 A0101487																
A0101488 A0101489 A0101490 A0101491 A0101492		3.35	18.85	0.20	3.1	0.031	3.79	53.2	34.3	1.57	1120	0.76	3.40	23.9	50.8	1920
A0101493 A0101494 A0101495 A0101496 A0101497																
A0101498 A0101499 A0101500 A0101501 A0101502																



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A0101463 A0101464 A0101465 A0101466 A0101467		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101468 A0101469 A0101470 A0101471 A0101472		12.4	133.5	0.002	0.40	9.10	5.1	<1	0.6	2140	0.38	0.09	7.62	0.214	1.06	1.9
A0101473 A0101474 A0101475 A0101476 A0101477																
A0101478 A0101479 A0101480 A0101481 A0101482																
A0101483 A0101484 A0101485 A0101486 A0101487																
A0101488 A0101489 A0101490 A0101491 A0101492		20.0	83.8	<0.002	0.34	2.33	9.0	1	0.5	1220	0.30	0.06	6.24	0.282	0.47	1.7
A0101493 A0101494 A0101495 A0101496 A0101497																
A0101498 A0101499 A0101500 A0101501 A0101502																



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A0101463 A0101464 A0101465 A0101466 A0101467						
A0101468 A0101469 A0101470 A0101471 A0101472		137	4.9	14.9	57	215
A0101473 A0101474 A0101475 A0101476 A0101477						
A0101478 A0101479 A0101480 A0101481 A0101482						
A0101483 A0101484 A0101485 A0101486 A0101487						
A0101488 A0101489 A0101490 A0101491 A0101492		134	1.3	9.9	69	140.0
A0101493 A0101494 A0101495 A0101496 A0101497						
A0101498 A0101499 A0101500 A0101501 A0101502						



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		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101503		2.24	0.003													
A0101504		0.07	0.129													



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					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
A0101503 A0101504																				

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
A0101503 A0101504																

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



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Account: VISAU

Project: DOUAY

CERTIFICATE OF ANALYSIS VO19127447

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0101503 A0101504						



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CERTIFICATE OF ANALYSIS VO19127447

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
CRU-31 CRU-QC LOG-21 LOG-21d
LOG-24 PUL-31 PUL-31d PUL-QC
SPL-21 SPL-21d WEI-21



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Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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CERTIFICATE OF ANALYSIS VO19127449

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101505		2.28	0.009													
A0101506		2.14	0.003													
A0101507		2.41	0.002													
A0101508		2.22	0.012													
A0101509		2.40	0.013													
A0101510		2.25	0.002	0.08	7.26	37.1	1870	2.14	0.24	5.74	0.10	117.5	14.1	63	10.90	33.5
A0101511		2.00	0.004													
A0101512		2.27	0.010													
A0101513		2.17	0.012													
A0101514		2.18	0.015													
A0101515		2.06	0.150													
A0101516		2.17	0.476													
A0101517		2.10	0.336													
A0101518		2.23	0.315													
A0101519		1.92	0.783													
A0101520		1.00	0.423													
A0101521		1.06	0.143													
A0101522		2.19	0.012													
A0101523		2.22	0.019													
A0101524		2.23	0.016													
A0101525		2.35	0.072													
A0101526		2.14	0.055													
A0101527		2.41	0.099													
A0101528		2.39	0.025													
A0101529		2.27	0.067													
A0101530		1.95	0.036	0.12	7.26	41.1	1040	2.34	0.38	6.31	0.07	271	15.5	63	4.19	24.4
A0101531		2.17	0.011													
A0101532		2.07	0.011													
A0101533		1.88	0.005													
A0101534		2.20	0.014													
A0101535		2.15	0.072													
A0101536		0.64	<0.001													
A0101537		2.13	0.039													
A0101538		2.08	0.015													
A0101539		1.97	0.008													
A0101540		2.26	0.010													
A0101541		2.13	0.177													
A0101542		2.04	0.047													
A0101543		1.99	0.058													
A0101544		2.09	0.124													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101505 A0101506 A0101507 A0101508 A0101509		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101510 A0101511 A0101512 A0101513 A0101514		3.16	18.55	0.18	3.2	0.024	2.93	53.5	65.7	1.79	883	1.49	4.04	18.0	48.2	1420
A0101515 A0101516 A0101517 A0101518 A0101519																
A0101520 A0101521 A0101522 A0101523 A0101524																
A0101525 A0101526 A0101527 A0101528 A0101529																
A0101530 A0101531 A0101532 A0101533 A0101534		3.65	19.75	0.25	3.4	0.025	3.09	140.5	95.9	1.65	871	1.60	3.60	12.7	49.8	1490
A0101535 A0101536 A0101537 A0101538 A0101539																
A0101540 A0101541 A0101542 A0101543 A0101544																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101505 A0101506 A0101507 A0101508 A0101509																
A0101510 A0101511 A0101512 A0101513 A0101514		18.0	121.5	0.002	0.31	0.92	8.1	<1	0.6	2500	0.28	<0.05	5.73	0.324	0.82	1.6
A0101515 A0101516 A0101517 A0101518 A0101519																
A0101520 A0101521 A0101522 A0101523 A0101524																
A0101525 A0101526 A0101527 A0101528 A0101529																
A0101530 A0101531 A0101532 A0101533 A0101534		10.6	107.0	<0.002	0.87	3.04	8.5	1	0.6	1850	0.22	0.08	8.84	0.264	0.68	3.0
A0101535 A0101536 A0101537 A0101538 A0101539																
A0101540 A0101541 A0101542 A0101543 A0101544																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101505 A0101506 A0101507 A0101508 A0101509						
A0101510 A0101511 A0101512 A0101513 A0101514		112	0.4	9.3	96	140.5
A0101515 A0101516 A0101517 A0101518 A0101519						
A0101520 A0101521 A0101522 A0101523 A0101524						
A0101525 A0101526 A0101527 A0101528 A0101529						
A0101530 A0101531 A0101532 A0101533 A0101534		98	7.8	15.7	87	151.0
A0101535 A0101536 A0101537 A0101538 A0101539						
A0101540 A0101541 A0101542 A0101543 A0101544						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101545		1.82	0.187													
A0101546		2.03	0.131													
A0101547		2.06	0.048													
A0101548		2.05	0.091													
A0101549		2.18	1.300													
A0101550		2.21	2.22	9.36	6.79	462	400	0.58	0.17	4.55	0.10	44.0	8.3	9	1.46	33.6
A0101551		2.25	0.741													
A0101552		0.06	0.492													
A0101553		2.12	1.200													
A0101554		2.08	0.183													
A0101555		2.16	0.153													
A0101556		2.14	0.371													
A0101557		2.03	0.416													
A0101558		2.33	0.476													
A0101559		2.37	0.233													
A0101560		2.27	0.230													
A0101561		2.40	0.275													
A0101562		2.08	0.562													
A0101563		2.01	0.194													
A0101564		2.02	0.329													
A0101565		2.01	0.268													
A0101566		2.25	0.355													
A0101567		2.26	0.493													
A0101568		2.28	0.287													
A0101569		<0.02	0.309													
A0101570		2.46	0.306	1.30	8.29	136.0	1940	3.29	0.13	3.30	0.07	69.2	18.1	100	2.49	62.4
A0101571		2.43	0.509													
A0101572		2.08	0.664													
A0101573		2.28	0.560													
A0101574		2.13	0.413													
A0101575		2.01	0.647													
A0101576		2.18	0.357													
A0101577		2.39	0.250													
A0101578		2.48	0.332													
A0101579		2.25	0.295													
A0101580		2.54	0.292													
A0101581		2.42	0.203													
A0101582		2.46	0.231													
A0101583		2.35	0.170													
A0101584		0.73	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101545 A0101546 A0101547 A0101548 A0101549		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101550 A0101551 A0101552 A0101553 A0101554		5.86	22.4	0.15	3.8	0.036	6.08	16.2	6.5	0.58	970	0.88	0.17	54.8	8.3	900
A0101555 A0101556 A0101557 A0101558 A0101559																
A0101560 A0101561 A0101562 A0101563 A0101564																
A0101565 A0101566 A0101567 A0101568 A0101569																
A0101570 A0101571 A0101572 A0101573 A0101574		2.83	27.8	0.18	4.8	0.040	5.98	29.4	56.6	1.14	436	1.79	2.37	6.0	89.2	860
A0101575 A0101576 A0101577 A0101578 A0101579																
A0101580 A0101581 A0101582 A0101583 A0101584																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
A0101545 A0101546 A0101547 A0101548 A0101549																
A0101550 A0101551 A0101552 A0101553 A0101554		22.3	92.0	0.003	5.76	3.92	2.0	5	0.5	1670	1.23	7.43	1.69	0.115	1.81	2.7
A0101555 A0101556 A0101557 A0101558 A0101559																
A0101560 A0101561 A0101562 A0101563 A0101564																
A0101565 A0101566 A0101567 A0101568 A0101569																
A0101570 A0101571 A0101572 A0101573 A0101574		8.2	171.0	<0.002	1.11	15.15	11.3	1	1.0	3620	0.24	0.24	14.65	0.352	2.02	1.3
A0101575 A0101576 A0101577 A0101578 A0101579																
A0101580 A0101581 A0101582 A0101583 A0101584																



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A0101545 A0101546 A0101547 A0101548 A0101549						
A0101550 A0101551 A0101552 A0101553 A0101554		106	11.5	4.5	38	328
A0101555 A0101556 A0101557 A0101558 A0101559						
A0101560 A0101561 A0101562 A0101563 A0101564						
A0101565 A0101566 A0101567 A0101568 A0101569						
A0101570 A0101571 A0101572 A0101573 A0101574		156	22.5	25.3	99	204
A0101575 A0101576 A0101577 A0101578 A0101579						
A0101580 A0101581 A0101582 A0101583 A0101584						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101585		2.53	0.114													
A0101586		1.84	0.217													
A0101587		1.99	0.515													
A0101588		1.86	0.459													
A0101589		2.02	0.225													
A0101590		1.99	0.322	2.50	6.88	89.7	840	1.21	0.38	5.30	0.11	129.5	20.9	61	1.11	40.2
A0101591		1.97	0.193													
A0101592		1.93	0.374													
A0101593		1.95	0.385													
A0101594		2.15	0.346													
A0101595		2.45	0.236													
A0101596		2.42	0.183													
A0101597		2.59	0.181													
A0101598		2.33	0.312													
A0101599		2.07	0.125													
A0101600		0.06	3.02													
A0101601		1.93	0.489													
A0101602		1.73	0.183													
A0101603		2.07	0.239													
A0101604		2.10	0.150													
A0101605		2.38	0.120													
A0101606		2.54	0.101													
A0101607		2.57	0.087													
A0101608		0.07	0.139													
A0101609		2.49	0.216													
A0101610		2.05	0.161	1.21	6.58	63.7	1390	1.59	0.39	4.02	0.09	44.6	15.8	54	0.82	22.1
A0101611		1.89	0.209													
A0101612		1.85	0.444													
A0101613		1.86	0.353													
A0101614		2.18	0.360													
A0101615		2.63	0.281													
A0101616		2.37	0.282													
A0101617		2.65	2.02													
A0101618		1.94	1.520													
A0101619		1.95	4.90													
A0101620		2.34	2.54													
A0101621		2.47	0.192													
A0101622		2.40	0.172													
A0101623		2.48	0.143													
A0101624		1.17	0.246													



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CERTIFICATE OF ANALYSIS VO19127449

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
A0101585 A0101586 A0101587 A0101588 A0101589		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101590 A0101591 A0101592 A0101593 A0101594		3.97	19.80	0.21	3.4	0.032	6.50	58.2	6.5	1.45	634	55.6	1.52	11.9	64.1	1340
A0101595 A0101596 A0101597 A0101598 A0101599																
A0101600 A0101601 A0101602 A0101603 A0101604																
A0101605 A0101606 A0101607 A0101608 A0101609																
A0101610 A0101611 A0101612 A0101613 A0101614		3.36	19.50	0.14	3.0	0.027	4.50	21.6	11.1	1.48	501	34.5	3.16	4.1	48.0	810
A0101615 A0101616 A0101617 A0101618 A0101619																
A0101620 A0101621 A0101622 A0101623 A0101624																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101585 A0101586 A0101587 A0101588 A0101589																
A0101590 A0101591 A0101592 A0101593 A0101594		40.7	99.2	<0.002	3.08	13.60	6.7	2	0.4	2050	0.26	0.39	78.7	0.192	2.51	2.0
A0101595 A0101596 A0101597 A0101598 A0101599																
A0101600 A0101601 A0101602 A0101603 A0101604																
A0101605 A0101606 A0101607 A0101608 A0101609																
A0101610 A0101611 A0101612 A0101613 A0101614		20.6	103.5	<0.002	2.19	7.19	7.1	1	0.4	3000	0.11	0.30	18.70	0.166	1.24	1.0
A0101615 A0101616 A0101617 A0101618 A0101619																
A0101620 A0101621 A0101622 A0101623 A0101624																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
A0101585 A0101586 A0101587 A0101588 A0101589						
A0101590 A0101591 A0101592 A0101593 A0101594		47	5.0	31.7	64	191.0
A0101595 A0101596 A0101597 A0101598 A0101599						
A0101600 A0101601 A0101602 A0101603 A0101604						
A0101605 A0101606 A0101607 A0101608 A0101609						
A0101610 A0101611 A0101612 A0101613 A0101614		66	5.9	11.9	62	138.0
A0101615 A0101616 A0101617 A0101618 A0101619						
A0101620 A0101621 A0101622 A0101623 A0101624						



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Sample Description	Method	Analyte	Units	LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
					0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	
A0101625					1.22	0.303														
A0101626					1.84	0.231														



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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
A0101625 A0101626																

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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
A0101625 A0101626																				



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0101625 A0101626						



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.

CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-24	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	



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Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
A0101627		2.10	0.071													
A0101628		2.18	0.101													
A0101629		2.15	1.935													
A0101630		2.49	2.80	0.58	7.01	98.6	370	0.82	0.20	4.72	0.06	52.3	16.7	72	1.02	36.6
A0101631		2.47	4.06													
A0101632		2.47	0.065													
A0101633		2.43	0.058													
A0101634		1.96	0.114													
A0101635		2.34	0.489													
A0101636		2.56	0.075													
A0101637		2.23	0.458													
A0101638		2.17	0.185													
A0101639		2.02	0.015													
A0101640		0.70	0.001													
A0101641		2.32	0.077													
A0101642		2.15	0.023													
A0101643		2.18	0.004													
A0101644		1.95	0.001													
A0101645		2.15	0.005													
A0101646		2.06	0.018													
A0101647		2.10	0.063													
A0101648		2.24	0.125													
A0101649		2.15	0.022													
A0101650		2.32	0.014	0.09	7.20	20.4	400	1.83	0.18	4.05	0.03	33.7	19.1	87	5.12	47.8
A0101651		2.18	0.011													
A0101652		2.04	0.006													
A0101653		2.35	0.122													
A0101654		2.39	<0.001													
A0101655		2.13	<0.001													
A0101656		0.07	0.510													
A0101657		1.94	0.001													
A0101658		2.07	0.001													
A0101659		2.14	<0.001													
A0101660		2.34	<0.001													
A0101661		2.35	<0.001													
A0101662		2.40	0.001													
A0101663		2.37	0.001													
V469464		2.30	0.001													
V469465		2.61	<0.001													
V469466		2.46	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
A0101627 A0101628 A0101629 A0101630 A0101631		3.56	18.70	0.14	2.8	0.027	2.50	23.6	8.2	1.84	585	0.53	4.12	3.0	42.3	870
A0101632 A0101633 A0101634 A0101635 A0101636																
A0101637 A0101638 A0101639 A0101640 A0101641																
A0101642 A0101643 A0101644 A0101645 A0101646																
A0101647 A0101648 A0101649 A0101650 A0101651		3.66	19.85	0.13	2.9	0.032	3.78	14.8	29.5	1.83	683	1.03	2.32	3.1	84.8	880
A0101652 A0101653 A0101654 A0101655 A0101656																
A0101657 A0101658 A0101659 A0101660 A0101661																
A0101662 A0101663 V469464 V469465 V469466																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
A0101627 A0101628 A0101629 A0101630 A0101631		11.2	50.8	<0.002	2.04	5.54	8.5	1	0.5	430	0.16	0.33	6.72	0.267	0.49	0.9
A0101632 A0101633 A0101634 A0101635 A0101636																
A0101637 A0101638 A0101639 A0101640 A0101641																
A0101642 A0101643 A0101644 A0101645 A0101646																
A0101647 A0101648 A0101649 A0101650 A0101651		3.0	107.5	<0.002	0.80	4.31	10.4	1	0.7	320	0.17	0.23	2.10	0.339	0.98	0.6
A0101652 A0101653 A0101654 A0101655 A0101656																
A0101657 A0101658 A0101659 A0101660 A0101661																
A0101662 A0101663 V469464 V469465 V469466																



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		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
A0101627 A0101628 A0101629 A0101630 A0101631		93	15.7	9.9	50	118.0
A0101632 A0101633 A0101634 A0101635 A0101636						
A0101637 A0101638 A0101639 A0101640 A0101641						
A0101642 A0101643 A0101644 A0101645 A0101646						
A0101647 A0101648 A0101649 A0101650 A0101651		100	3.8	9.3	62	119.0
A0101652 A0101653 A0101654 A0101655 A0101656						
A0101657 A0101658 A0101659 A0101660 A0101661						
A0101662 A0101663 V469464 V469465 V469466						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469467		2.25	<0.001													
V469468		1.97	<0.001													
V469469		2.25	0.001													
V469470		2.21	0.001													
V469471		2.18	0.001													
V469472		2.12	0.001													
V469473		<0.02	0.002													
V469474		2.11	0.001													
V469475		2.25	0.001													
V469476		2.02	0.003													
V469477		2.68	<0.001													
V469478		2.57	<0.001													
V469479		2.63	0.006													
V469480		2.55	<0.001	0.03	7.06	2.1	980	0.24	0.03	6.24	0.05	20.9	52.8	221	0.75	65.1
V469481		2.28	<0.001													
V469482		2.00	<0.001													
V469483		2.08	0.002													
V469484		2.01	0.001													
V469485		2.39	<0.001													
V469486		2.16	<0.001													
V469487		2.64	<0.001													
V469488		0.84	0.001													
V469489		2.63	<0.001													
V469490		2.40	<0.001													
V469491		2.13	<0.001													
V469492		2.12	<0.001													
V469493		2.04	<0.001													
V469494		1.97	0.001													
V469495		2.66	0.001													
V469496		2.75	0.003													
V469497		2.69	0.010													
V469498		2.81	0.033													
V469499		1.76	0.001													
V469500		2.77	0.001	0.03	7.72	4.2	50	0.35	0.13	13.90	0.12	61.0	49.0	300	0.09	19.1
V469501		2.48	<0.001													
V469502		2.59	0.003													
V469503		2.38	0.007													
V469504		0.06	0.138													
V469505		2.72	0.001													
V469506		2.74	<0.001													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469467 V469468 V469469 V469470 V469471		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469472 V469473 V469474 V469475 V469476																
V469477 V469478 V469479 V469480 V469481		6.94	13.85	0.11	1.0	0.042	0.57	7.7	94.9	6.15	1380	1.69	2.14	2.5	195.0	190
V469482 V469483 V469484 V469485 V469486																
V469487 V469488 V469489 V469490 V469491																
V469492 V469493 V469494 V469495 V469496																
V469497 V469498 V469499 V469500 V469501		8.80	15.05	0.13	0.9	0.055	0.10	35.7	5.9	3.28	1800	1.19	0.63	2.5	133.5	220
V469502 V469503 V469504 V469505 V469506																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469467 V469468 V469469 V469470 V469471																
V469472 V469473 V469474 V469475 V469476																
V469477 V469478 V469479 V469480 V469481		2.5	11.0	0.002	0.03	0.38	22.2	1	0.4	335	0.10	<0.05	0.16	0.309	0.08	0.2
V469482 V469483 V469484 V469485 V469486																
V469487 V469488 V469489 V469490 V469491																
V469492 V469493 V469494 V469495 V469496																
V469497 V469498 V469499 V469500 V469501		9.4	1.7	<0.002	0.37	1.13	32.0	1	0.5	1505	0.09	<0.05	0.71	0.328	0.02	0.5
V469502 V469503 V469504 V469505 V469506																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469467 V469468 V469469 V469470 V469471						
V469472 V469473 V469474 V469475 V469476						
V469477 V469478 V469479 V469480 V469481		179	0.3	12.0	108	46.0
V469482 V469483 V469484 V469485 V469486						
V469487 V469488 V469489 V469490 V469491						
V469492 V469493 V469494 V469495 V469496						
V469497 V469498 V469499 V469500 V469501		183	1.0	14.3	114	28.6
V469502 V469503 V469504 V469505 V469506						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469507		2.68	<0.001													
V469508		2.55	<0.001													
V469509		2.69	<0.001													
V469510		2.76	<0.001													
V469511		2.81	0.004													
V469512		2.58	0.001													
V469513		2.57	0.001													
V469514		2.28	0.006													
V469515		2.11	0.005													
V469516		2.49	0.002													
V469517		2.30	0.004													
V469518		2.65	0.006													
V469519		2.44	0.001													
V469520		1.34	0.002	<0.01	5.45	2.8	230	2.77	0.17	9.86	0.10	250	55.6	380	36.5	51.9
V469521		1.20	0.001													
V469522		2.60	<0.001													
V469523		2.05	<0.001													
V469524		2.41	0.002													
V469525		2.37	0.004													
V469526		2.16	0.001													
V469527		2.58	0.001													
V469528		2.65	0.003													
V469529		2.13	0.011													
V469530		2.35	<0.001													
V469531		2.92	0.010													
V469532		2.29	0.002													
V469533		2.45	0.004													
V469534		1.83	0.002													
V469535		2.78	0.007													
V469536		0.79	0.002													
V469537		1.75	0.005													
V469538		1.95	0.003													
V469539		1.84	<0.001													
V469540		2.48	0.002	0.09	5.90	5.7	150	1.41	0.34	11.90	0.08	98.6	60.2	373	7.78	13.6
V469541		1.79	0.004													
V469542		2.38	<0.001													
V469543		2.52	0.010													
V469544		2.40	<0.001													
V469545		2.69	0.002													
V469546		2.47	0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469507 V469508 V469509 V469510 V469511		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469512 V469513 V469514 V469515 V469516																
V469517 V469518 V469519 V469520 V469521		6.55	11.30	0.17	0.7	0.039	4.41	108.0	323	7.31	1760	0.82	1.59	44.1	251	2640
V469522 V469523 V469524 V469525 V469526																
V469527 V469528 V469529 V469530 V469531																
V469532 V469533 V469534 V469535 V469536																
V469537 V469538 V469539 V469540 V469541		8.29	13.70	0.08	1.2	0.058	0.98	52.6	72.6	5.52	1910	2.11	1.69	6.1	208	260
V469542 V469543 V469544 V469545 V469546																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469507 V469508 V469509 V469510 V469511																
V469512 V469513 V469514 V469515 V469516																
V469517 V469518 V469519 V469520 V469521		9.4	289	<0.002	0.29	0.22	23.5	<1	0.3	668	0.19	<0.05	4.97	0.245	1.67	11.6
V469522 V469523 V469524 V469525 V469526																
V469527 V469528 V469529 V469530 V469531																
V469532 V469533 V469534 V469535 V469536																
V469537 V469538 V469539 V469540 V469541		4.6	61.3	0.002	0.26	0.75	32.1	<1	0.4	1810	0.11	0.06	1.94	0.361	0.39	1.3
V469542 V469543 V469544 V469545 V469546																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469507 V469508 V469509 V469510 V469511						
V469512 V469513 V469514 V469515 V469516						
V469517 V469518 V469519 V469520 V469521		141	1.5	22.5	211	27.8
V469522 V469523 V469524 V469525 V469526						
V469527 V469528 V469529 V469530 V469531						
V469532 V469533 V469534 V469535 V469536						
V469537 V469538 V469539 V469540 V469541		201	1.2	18.0	165	39.9
V469542 V469543 V469544 V469545 V469546						



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469547		2.33	0.002													
V469548		2.32	0.005													

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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469547 V469548																

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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469547 V469548																

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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469547 V469548						



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CERTIFICATE COMMENTS													
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p>												
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61</p> <p>Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.</p> <table><tr><td>CRU-31</td><td>CRU-QC</td><td>LOG-21</td><td>LOG-21d</td></tr><tr><td>LOG-24</td><td>PUL-31</td><td>PUL-31d</td><td>PUL-QC</td></tr><tr><td>SPL-21</td><td>SPL-21d</td><td>WEI-21</td><td></td></tr></table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											



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CERTIFICATE VO19127454

Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 123 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469549		2.34	0.002													
V469550		2.27	0.056													
V469551		2.59	0.005													
V469552		0.07	0.506													
V469553		2.52	0.003													
V469554		2.63	0.001													
V469555		2.54	<0.001													
V469556		2.27	0.003													
V469557		2.30	0.003													
V469558		2.58	0.002													
V469559		2.30	0.001													
V469560		2.58	0.004													
V469561		2.61	0.002													
V469562		2.64	0.013													
V469563		2.56	0.002													
V469564		2.44	0.003	0.08	6.65	3.7	870	1.29	0.13	8.34	0.11	73.6	57.6	539	20.3	59.3
V469565		2.59	0.003													
V469566		2.30	0.004													
V469567		2.47	<0.001													
V469568		2.51	<0.001													
V469569		<0.02	0.001													
V469570		2.45	0.001													
V469571		2.07	0.002													
V469572		1.84	0.001													
V469573		2.18	0.021													
V469574		2.21	0.002													
V469575		2.15	0.005													
V469576		2.15	<0.001													
V469577		1.58	0.008													
V469578		2.72	0.002													
V469579		2.77	0.004													
V469580		2.50	0.002													
V469581		2.35	0.001													
V469582		2.81	0.002													
V469583		2.67	0.012													
V469584		0.81	<0.001													
V469585		2.53	<0.001													
V469586		2.60	0.001	0.03	6.05	2.9	90	0.25	0.05	7.45	0.05	7.62	56.7	520	0.29	33.5
V469587		2.75	<0.001													
V469588		2.95	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469549 V469550 V469551 V469552 V469553		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469554 V469555 V469556 V469557 V469558																
V469559 V469560 V469561 V469562 V469563																
V469564 V469565 V469566 V469567 V469568		7.37	10.90	0.14	0.8	0.038	2.32	36.8	205	6.20	1540	0.48	2.32	11.4	302	320
V469569 V469570 V469571 V469572 V469573																
V469574 V469575 V469576 V469577 V469578																
V469579 V469580 V469581 V469582 V469583																
V469584 V469585 V469586 V469587 V469588		7.92	11.20	0.05	1.1	0.045	0.10	2.9	44.0	6.02	1340	0.44	2.29	1.6	205	230



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm	ME-MS61 Rb ppm	ME-MS61 Re ppm	ME-MS61 S %	ME-MS61 Sb ppm	ME-MS61 Sc ppm	ME-MS61 Se ppm	ME-MS61 Sn ppm	ME-MS61 Sr ppm	ME-MS61 Ta ppm	ME-MS61 Te ppm	ME-MS61 Th ppm	ME-MS61 Ti %	ME-MS61 Tl ppm	ME-MS61 U ppm
V469549 V469550 V469551 V469552 V469553		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469554 V469555 V469556 V469557 V469558																
V469559 V469560 V469561 V469562 V469563																
V469564 V469565 V469566 V469567 V469568		7.7	183.0	<0.002	0.15	0.68	30.3	<1	0.3	1585	0.09	<0.05	0.57	0.290	1.12	1.9
V469569 V469570 V469571 V469572 V469573																
V469574 V469575 V469576 V469577 V469578																
V469579 V469580 V469581 V469582 V469583																
V469584 V469585 V469586 V469587 V469588		2.5	1.2	<0.002	0.14	0.44	39.1	<1	0.5	364	0.10	<0.05	0.74	0.401	<0.02	0.1



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469549 V469550 V469551 V469552 V469553						
V469554 V469555 V469556 V469557 V469558						
V469559 V469560 V469561 V469562 V469563						
V469564 V469565 V469566 V469567 V469568		167	0.6	13.4	195	36.6
V469569 V469570 V469571 V469572 V469573						
V469574 V469575 V469576 V469577 V469578						
V469579 V469580 V469581 V469582 V469583						
V469584 V469585 V469586 V469587 V469588		219	1.0	14.2	79	39.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469589		2.89	<0.001													
V469590		2.65	0.002													
V469591		1.99	<0.001													
V469592		2.28	0.002													
V469593		2.17	<0.001													
V469594		2.29	<0.001													
V469595		2.65	<0.001													
V469596		2.38	<0.001													
V469597		1.49	0.012													
V469598		1.35	<0.001													
V469599		2.75	0.002													
V469600		0.06	3.03													
V469601		2.68	0.002													
V469602		2.42	0.001													
V469603		2.81	0.001													
V469604		2.83	0.001													
V469605		2.69	0.003													
V469606		2.64	<0.001													
V469607		1.46	0.003													
V469608		0.07	0.138													
V469609		2.38	<0.001													
V469610		2.58	0.003	0.05	5.65	2.8	280	1.18	0.10	7.44	0.08	118.5	72.1	622	7.38	152.0
V469611		2.36	0.001													
V469612		2.74	0.002													
V469613		2.64	0.002													
V469614		2.57	0.003													
V469615		2.57	0.003													
V469616		2.53	0.011													
V469617		2.87	0.003													
V469618		2.64	0.002													
V469619		2.30	0.001													
V469620		2.47	<0.001													
V469621		2.48	<0.001													
V469622		2.35	<0.001													
V469623		2.44	<0.001													
V469624		1.29	<0.001													
V469625		1.21	<0.001													
V469626		2.55	<0.001													
V469627		2.58	<0.001													
V469628		2.53	<0.001													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469589		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469590																
V469591																
V469592																
V469593																
V469594																
V469595																
V469596																
V469597																
V469598																
V469599																
V469600																
V469601																
V469602																
V469603																
V469604																
V469605																
V469606																
V469607																
V469608																
V469609		9.32	12.00	0.14	1.1	0.058	1.06	67.0	82.2	6.82	1840	2.22	2.27	4.3	371	260
V469610																
V469611																
V469612																
V469613																
V469614																
V469615																
V469616																
V469617																
V469618																
V469619																
V469620																
V469621																
V469622																
V469623																
V469624																
V469625																
V469626																
V469627																
V469628																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469589 V469590 V469591 V469592 V469593																
V469594 V469595 V469596 V469597 V469598																
V469599 V469600 V469601 V469602 V469603																
V469604 V469605 V469606 V469607 V469608																
V469609 V469610 V469611 V469612 V469613		3.9	61.1	0.002	0.22	0.43	37.7	<1	0.5	496	0.09	<0.05	1.67	0.383	0.46	0.6
V469614 V469615 V469616 V469617 V469618																
V469619 V469620 V469621 V469622 V469623																
V469624 V469625 V469626 V469627 V469628																



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		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
V469589		1	0.1	0.1	2	0.5
V469590						
V469591						
V469592						
V469593						
V469594						
V469595						
V469596						
V469597						
V469598						
V469599						
V469600						
V469601						
V469602						
V469603						
V469604						
V469605						
V469606						
V469607						
V469608						
V469609		213	0.5	18.5	165	46.9
V469610						
V469611						
V469612						
V469613						
V469614						
V469615						
V469616						
V469617						
V469618						
V469619						
V469620						
V469621						
V469622						
V469623						
V469624						
V469625						
V469626						
V469627						
V469628						



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469629		2.41	0.001													
V469630		2.17	<0.001													
V469631		2.75	0.001	0.06	6.01	4.4	170	1.06	0.11	8.39	0.09	54.5	62.2	587	6.22	34.6
V469632		2.54	<0.001													
V469633		2.26	0.006													
V469634		2.41	0.005													
V469635		0.90	0.001													
V469636		1.49	0.001													
V469637		1.65	0.002													
V469638		2.20	0.005													
V469639		2.65	<0.001													
V469640		0.75	<0.001													
V469641		2.09	0.001													
V469642		2.42	<0.001													
V469643		2.28	<0.001													
V469644		2.52	<0.001													
V469645		2.38	<0.001													
V469646		2.64	<0.001													
V469647		2.40	<0.001													
V469648		2.49	<0.001													
V469649		2.31	0.009													
V469650		2.40	0.001													
V469651		2.40	0.001													
V469652		2.41	<0.001	0.02	5.65	2.7	30	0.22	0.03	7.02	0.05	7.60	64.9	800	0.66	33.5
V469653		2.77	<0.001													
V469654		2.65	<0.001													
V469655		2.26	0.001													
V469656		0.06	0.493													
V469657		2.48	<0.001													
V469658		2.32	0.002													
V469659		2.43	0.001													
V469660		2.44	0.002													
V469661		2.61	<0.001													
V469662		2.15	0.001													
V469663		2.36	<0.001													
V469664		2.57	0.001													
V469665		2.44	0.016													
V469666		2.62	0.007													
V469667		2.39	0.003													
V469668		2.47	<0.001													



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		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469629 V469630 V469631 V469632 V469633		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469634 V469635 V469636 V469637 V469638																
V469639 V469640 V469641 V469642 V469643																
V469644 V469645 V469646 V469647 V469648																
V469649 V469650 V469651 V469652 V469653		8.48	12.30	0.11	1.1	0.059	0.89	28.0	68.3	6.44	1980	0.97	2.50	3.4	304	260
V469654 V469655 V469656 V469657 V469658																
V469659 V469660 V469661 V469662 V469663																
V469664 V469665 V469666 V469667 V469668																



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V469629 V469630 V469631 V469632 V469633		5.1	58.1	0.002	0.20	0.72	40.4	<1	0.5	1050	0.10	0.07	1.62	0.407	0.34	0.5
V469634 V469635 V469636 V469637 V469638																
V469639 V469640 V469641 V469642 V469643																
V469644 V469645 V469646 V469647 V469648																
V469649 V469650 V469651 V469652 V469653		1.6	1.7	0.002	0.06	0.52	35.9	<1	0.4	483	0.10	0.05	0.20	0.375	0.02	0.1
V469654 V469655 V469656 V469657 V469658																
V469659 V469660 V469661 V469662 V469663																
V469664 V469665 V469666 V469667 V469668																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469629 V469630 V469631 V469632 V469633		224	0.8	18.1	154	44.8
V469634 V469635 V469636 V469637 V469638						
V469639 V469640 V469641 V469642 V469643						
V469644 V469645 V469646 V469647 V469648						
V469649 V469650 V469651 V469652 V469653		212	1.0	13.2	74	33.8
V469654 V469655 V469656 V469657 V469658						
V469659 V469660 V469661 V469662 V469663						
V469664 V469665 V469666 V469667 V469668						



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		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469669		2.33	<0.001													
V469670		2.35	<0.001													
V469671		2.36	<0.001													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P		
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	10	
V469669 V469670 V469671																					

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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469669																
V469670																
V469671																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
V469669 V469670 V469671						

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



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CERTIFICATE OF ANALYSIS VO19127454

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

Applies to Method: Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.
CRU-31 CRU-QC LOG-21 LOG-21d
LOG-24 PUL-31 PUL-31d PUL-QC
SPL-21 SPL-21d WEI-21



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Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 123 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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CERTIFICATE OF ANALYSIS VO19127454

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469549		2.34	0.002													
V469550		2.27	0.056													
V469551		2.59	0.005													
V469552		0.07	0.506													
V469553		2.52	0.003													
V469554		2.63	0.001													
V469555		2.54	<0.001													
V469556		2.27	0.003													
V469557		2.30	0.003													
V469558		2.58	0.002													
V469559		2.30	0.001													
V469560		2.58	0.004													
V469561		2.61	0.002													
V469562		2.64	0.013													
V469563		2.56	0.002													
V469564		2.44	0.003	0.08	6.65	3.7	870	1.29	0.13	8.34	0.11	73.6	57.6	539	20.3	59.3
V469565		2.59	0.003													
V469566		2.30	0.004													
V469567		2.47	<0.001													
V469568		2.51	<0.001													
V469569		<0.02	0.001													
V469570		2.45	0.001													
V469571		2.07	0.002													
V469572		1.84	0.001													
V469573		2.18	0.021													
V469574		2.21	0.002													
V469575		2.15	0.005													
V469576		2.15	<0.001													
V469577		1.58	0.008													
V469578		2.72	0.002													
V469579		2.77	0.004													
V469580		2.50	0.002													
V469581		2.35	0.001													
V469582		2.81	0.002													
V469583		2.67	0.012													
V469584		0.81	<0.001													
V469585		2.53	<0.001													
V469586		2.60	0.001	0.03	6.05	2.9	90	0.25	0.05	7.45	0.05	7.62	56.7	520	0.29	33.5
V469587		2.75	<0.001													
V469588		2.95	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469549 V469550 V469551 V469552 V469553		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469554 V469555 V469556 V469557 V469558																
V469559 V469560 V469561 V469562 V469563																
V469564 V469565 V469566 V469567 V469568		7.37	10.90	0.14	0.8	0.038	2.32	36.8	205	6.20	1540	0.48	2.32	11.4	302	320
V469569 V469570 V469571 V469572 V469573																
V469574 V469575 V469576 V469577 V469578																
V469579 V469580 V469581 V469582 V469583																
V469584 V469585 V469586 V469587 V469588		7.92	11.20	0.05	1.1	0.045	0.10	2.9	44.0	6.02	1340	0.44	2.29	1.6	205	230



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469549 V469550 V469551 V469552 V469553																
V469554 V469555 V469556 V469557 V469558																
V469559 V469560 V469561 V469562 V469563																
V469564 V469565 V469566 V469567 V469568		7.7	183.0	<0.002	0.15	0.68	30.3	<1	0.3	1585	0.09	<0.05	0.57	0.290	1.12	1.9
V469569 V469570 V469571 V469572 V469573																
V469574 V469575 V469576 V469577 V469578																
V469579 V469580 V469581 V469582 V469583																
V469584 V469585 V469586 V469587 V469588		2.5	1.2	<0.002	0.14	0.44	39.1	<1	0.5	364	0.10	<0.05	0.74	0.401	<0.02	0.1



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469549 V469550 V469551 V469552 V469553						
V469554 V469555 V469556 V469557 V469558						
V469559 V469560 V469561 V469562 V469563						
V469564 V469565 V469566 V469567 V469568		167	0.6	13.4	195	36.6
V469569 V469570 V469571 V469572 V469573						
V469574 V469575 V469576 V469577 V469578						
V469579 V469580 V469581 V469582 V469583						
V469584 V469585 V469586 V469587 V469588		219	1.0	14.2	79	39.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469589		2.89	<0.001													
V469590		2.65	0.002													
V469591		1.99	<0.001													
V469592		2.28	0.002													
V469593		2.17	<0.001													
V469594		2.29	<0.001													
V469595		2.65	<0.001													
V469596		2.38	<0.001													
V469597		1.49	0.012													
V469598		1.35	<0.001													
V469599		2.75	0.002													
V469600		0.06	3.03													
V469601		2.68	0.002													
V469602		2.42	0.001													
V469603		2.81	0.001													
V469604		2.83	0.001													
V469605		2.69	0.003													
V469606		2.64	<0.001													
V469607		1.46	0.003													
V469608		0.07	0.138													
V469609		2.38	<0.001													
V469610		2.58	0.003	0.05	5.65	2.8	280	1.18	0.10	7.44	0.08	118.5	72.1	622	7.38	152.0
V469611		2.36	0.001													
V469612		2.74	0.002													
V469613		2.64	0.002													
V469614		2.57	0.003													
V469615		2.57	0.003													
V469616		2.53	0.011													
V469617		2.87	0.003													
V469618		2.64	0.002													
V469619		2.30	0.001													
V469620		2.47	<0.001													
V469621		2.48	<0.001													
V469622		2.35	<0.001													
V469623		2.44	<0.001													
V469624		1.29	<0.001													
V469625		1.21	<0.001													
V469626		2.55	<0.001													
V469627		2.58	<0.001													
V469628		2.53	<0.001													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469589		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469590																
V469591																
V469592																
V469593																
V469594																
V469595																
V469596																
V469597																
V469598																
V469599																
V469600																
V469601																
V469602																
V469603																
V469604																
V469605																
V469606																
V469607																
V469608																
V469609		9.32	12.00	0.14	1.1	0.058	1.06	67.0	82.2	6.82	1840	2.22	2.27	4.3	371	260
V469610																
V469611																
V469612																
V469613																
V469614																
V469615																
V469616																
V469617																
V469618																
V469619																
V469620																
V469621																
V469622																
V469623																
V469624																
V469625																
V469626																
V469627																
V469628																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm 0.5	Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.01	Ti % 0.005	Tl ppm 0.02	U ppm 0.1
V469589 V469590 V469591 V469592 V469593																
V469594 V469595 V469596 V469597 V469598																
V469599 V469600 V469601 V469602 V469603																
V469604 V469605 V469606 V469607 V469608																
V469609 V469610 V469611 V469612 V469613		3.9	61.1	0.002	0.22	0.43	37.7	<1	0.5	496	0.09	<0.05	1.67	0.383	0.46	0.6
V469614 V469615 V469616 V469617 V469618																
V469619 V469620 V469621 V469622 V469623																
V469624 V469625 V469626 V469627 V469628																



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		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
V469589 V469590 V469591 V469592 V469593						
V469594 V469595 V469596 V469597 V469598						
V469599 V469600 V469601 V469602 V469603						
V469604 V469605 V469606 V469607 V469608						
V469609 V469610 V469611 V469612 V469613		213	0.5	18.5	165	46.9
V469614 V469615 V469616 V469617 V469618						
V469619 V469620 V469621 V469622 V469623						
V469624 V469625 V469626 V469627 V469628						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469629		2.41	0.001													
V469630		2.17	<0.001													
V469631		2.75	0.001	0.06	6.01	4.4	170	1.06	0.11	8.39	0.09	54.5	62.2	587	6.22	34.6
V469632		2.54	<0.001													
V469633		2.26	0.006													
V469634		2.41	0.005													
V469635		0.90	0.001													
V469636		1.49	0.001													
V469637		1.65	0.002													
V469638		2.20	0.005													
V469639		2.65	<0.001													
V469640		0.75	<0.001													
V469641		2.09	0.001													
V469642		2.42	<0.001													
V469643		2.28	<0.001													
V469644		2.52	<0.001													
V469645		2.38	<0.001													
V469646		2.64	<0.001													
V469647		2.40	<0.001													
V469648		2.49	<0.001													
V469649		2.31	0.009													
V469650		2.40	0.001													
V469651		2.40	0.001													
V469652		2.41	<0.001	0.02	5.65	2.7	30	0.22	0.03	7.02	0.05	7.60	64.9	800	0.66	33.5
V469653		2.77	<0.001													
V469654		2.65	<0.001													
V469655		2.26	0.001													
V469656		0.06	0.493													
V469657		2.48	<0.001													
V469658		2.32	0.002													
V469659		2.43	0.001													
V469660		2.44	0.002													
V469661		2.61	<0.001													
V469662		2.15	0.001													
V469663		2.36	<0.001													
V469664		2.57	0.001													
V469665		2.44	0.016													
V469666		2.62	0.007													
V469667		2.39	0.003													
V469668		2.47	<0.001													



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 Account: VISAU

Project: DOUAY

CERTIFICATE OF ANALYSIS VO19127454

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469629 V469630 V469631 V469632 V469633		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469634 V469635 V469636 V469637 V469638																
V469639 V469640 V469641 V469642 V469643																
V469644 V469645 V469646 V469647 V469648																
V469649 V469650 V469651 V469652 V469653		8.48	12.30	0.11	1.1	0.059	0.89	28.0	68.3	6.44	1980	0.97	2.50	3.4	304	260
V469654 V469655 V469656 V469657 V469658																
V469659 V469660 V469661 V469662 V469663																
V469664 V469665 V469666 V469667 V469668																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469629 V469630 V469631 V469632 V469633		5.1	58.1	0.002	0.20	0.72	40.4	<1	0.5	1050	0.10	0.07	1.62	0.407	0.34	0.5
V469634 V469635 V469636 V469637 V469638																
V469639 V469640 V469641 V469642 V469643																
V469644 V469645 V469646 V469647 V469648																
V469649 V469650 V469651 V469652 V469653		1.6	1.7	0.002	0.06	0.52	35.9	<1	0.4	483	0.10	0.05	0.20	0.375	0.02	0.1
V469654 V469655 V469656 V469657 V469658																
V469659 V469660 V469661 V469662 V469663																
V469664 V469665 V469666 V469667 V469668																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469629 V469630 V469631 V469632 V469633		224	0.8	18.1	154	44.8
V469634 V469635 V469636 V469637 V469638						
V469639 V469640 V469641 V469642 V469643						
V469644 V469645 V469646 V469647 V469648						
V469649 V469650 V469651 V469652 V469653		212	1.0	13.2	74	33.8
V469654 V469655 V469656 V469657 V469658						
V469659 V469660 V469661 V469662 V469663						
V469664 V469665 V469666 V469667 V469668						



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469669		2.33	<0.001													
V469670		2.35	<0.001													
V469671		2.36	<0.001													



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61				
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	
V469669 V469670 V469671																				



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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
V469669																
V469670																
V469671																

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



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469669 V469670 V469671						



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CERTIFICATE OF ANALYSIS VO19127454

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61												
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.												
	<table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											



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Project: DOUAY
 P.O. No.: SHIPMENT MGM1907
 This report is for 122 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 27-MAY-2019.
 The following have access to data associated with this certificate:

WEBTRIEVE (AURVISTA) ACCESS EVEN STAVRE	VIVIAN PARK	FRED SPEIDEL
--	-------------	--------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SPL-21d	Split sample - duplicate
LOG-21d	Sample logging - ClientBarCode Dup
LOG-24	Pulp Login - Rcd w/o Barcode
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
PUL-31d	Pulverize Split - duplicate
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid ICP-MS	

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



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469672		2.24	<0.001													
V469673		<0.02	<0.001													
V469674		2.09	0.045	1.12	5.99	21.6	200	1.47	2.69	8.58	0.27	350	125.0	527	0.77	15.1
V469675		2.19	0.022													
V469676		2.40	0.004													
V469677		2.70	0.001													
V469678		2.65	0.001													
V469679		2.33	<0.001													
V469680		2.54	0.004													
V469681		2.49	0.028													
V469682		2.36	<0.001													
V469683		2.50	<0.001													
V469684		2.54	0.008													
V469685		2.45	0.003													
V469686		2.47	0.001													
V469687		2.41	0.004													
V469688		0.74	<0.001													
V469689		2.52	0.001													
V469690		2.52	<0.001													
V469691		2.42	<0.001													
V469692		2.44	0.002													
V469693		2.72	0.004													
V469694		2.32	0.005													
V469695		2.47	0.003	0.03	5.38	5.8	140	0.26	0.06	9.99	0.08	9.18	58.4	692	1.76	31.7
V469696		2.48	0.030													
V469697		2.38	0.084													
V469698		2.30	0.031													
V469699		2.35	0.056													
V469700		2.60	0.128													
V469701		2.43	0.049													
V469702		2.27	0.011													
V469703		2.32	0.012													
V469704		0.05	2.98													
V469705		2.53	0.020													
V469706		2.48	0.096													
V469707		2.84	0.063													
V469708		2.46	0.081													
V469709		2.57	0.024													
V469710		2.25	0.014													
V469711		2.13	0.003													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469672 V469673 V469674 V469675 V469676		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469677 V469678 V469679 V469680 V469681		8.98	13.90	0.30	2.4	0.151	0.87	171.0	45.3	5.86	1380	1.04	1.56	20.8	306	3030
V469682 V469683 V469684 V469685 V469686																
V469687 V469688 V469689 V469690 V469691																
V469692 V469693 V469694 V469695 V469696		7.46	11.20	0.08	0.9	0.051	0.25	3.8	42.2	6.39	1760	0.69	1.60	1.7	362	220
V469697 V469698 V469699 V469700 V469701																
V469702 V469703 V469704 V469705 V469706																
V469707 V469708 V469709 V469710 V469711																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469672 V469673 V469674 V469675 V469676		816	17.1	0.002	1.38	1.39	23.1	1	0.6	1575	0.54	0.18	5.48	0.391	0.11	3.9
V469677 V469678 V469679 V469680 V469681																
V469682 V469683 V469684 V469685 V469686																
V469687 V469688 V469689 V469690 V469691																
V469692 V469693 V469694 V469695 V469696		5.4	8.2	0.002	0.17	1.61	30.0	1	0.4	646	0.10	0.05	0.53	0.352	0.08	0.1
V469697 V469698 V469699 V469700 V469701																
V469702 V469703 V469704 V469705 V469706																
V469707 V469708 V469709 V469710 V469711																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469672 V469673 V469674 V469675 V469676		237	1.4	28.5	107	112.5
V469677 V469678 V469679 V469680 V469681						
V469682 V469683 V469684 V469685 V469686						
V469687 V469688 V469689 V469690 V469691						
V469692 V469693 V469694 V469695 V469696		200	0.8	12.5	171	30.6
V469697 V469698 V469699 V469700 V469701						
V469702 V469703 V469704 V469705 V469706						
V469707 V469708 V469709 V469710 V469711						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469712		2.59	0.003													
V469713		2.02	0.034													
V469714		2.17	0.112													
V469715		2.27	0.027													
V469716		2.37	0.009	0.08	6.71	24.8	450	0.48	0.15	7.20	0.09	28.6	32.3	81	3.77	97.5
V469717		2.42	0.031													
V469718		2.31	0.014													
V469719		2.21	0.005													
V469720		1.10	0.077													
V469721		0.86	0.078													
V469722		2.08	0.024													
V469723		2.12	0.013													
V469724		2.18	0.021													
V469725		1.91	0.013													
V469726		2.04	0.052													
V469727		2.25	0.031													
V469728		2.14	0.057													
V469729		1.80	0.076													
V469730		1.98	0.031													
V469731		1.73	0.030													
V469732		2.12	0.021													
V469733		2.09	0.024													
V469734		0.96	0.032													
V469735		2.13	0.071													
V469736		0.87	0.001													
V469737		1.12	0.107													
V469738		2.34	0.062													
V469739		2.10	0.308	0.24	6.87	31.4	460	0.71	0.66	6.64	0.33	78.0	22.9	30	1.82	22.7
V469740		2.53	0.064													
V469741		2.42	0.063													
V469742		2.26	0.030													
V469743		2.14	0.031													
V469744		2.43	0.033													
V469745		2.12	<0.001													
V469746		2.01	0.005													
V469747		2.05	0.361													
V469748		2.06	0.026													
V469749		2.00	0.006													
V469750		1.92	0.011													
V469751		2.04	0.093													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10
V469712 V469713 V469714 V469715 V469716		10.45	14.35	0.11	2.5	0.108	0.81	12.1	36.3	1.34	1920	0.83	1.16	4.9	80.9	580
V469717 V469718 V469719 V469720 V469721																
V469722 V469723 V469724 V469725 V469726																
V469727 V469728 V469729 V469730 V469731																
V469732 V469733 V469734 V469735 V469736																
V469737 V469738 V469739 V469740 V469741		4.84	14.10	0.15	2.0	0.068	3.68	38.4	21.6	0.69	1560	2.41	0.06	12.1	27.7	750
V469742 V469743 V469744 V469745 V469746																
V469747 V469748 V469749 V469750 V469751																



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
V469712 V469713 V469714 V469715 V469716		3.8	46.5	<0.002	0.61	3.05	24.0	1	1.9	285	0.31	0.09	0.93	0.419	0.36	0.3
V469717 V469718 V469719 V469720 V469721																
V469722 V469723 V469724 V469725 V469726																
V469727 V469728 V469729 V469730 V469731																
V469732 V469733 V469734 V469735 V469736																
V469737 V469738 V469739 V469740 V469741		10.0	93.5	<0.002	2.60	6.55	16.9	1	0.9	341	0.21	0.33	4.33	0.365	0.43	0.9
V469742 V469743 V469744 V469745 V469746																
V469747 V469748 V469749 V469750 V469751																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469712 V469713 V469714 V469715 V469716		141	0.5	26.2	92	102.5
V469717 V469718 V469719 V469720 V469721						
V469722 V469723 V469724 V469725 V469726						
V469727 V469728 V469729 V469730 V469731						
V469732 V469733 V469734 V469735 V469736						
V469737 V469738 V469739 V469740 V469741		118	24.2	9.3	84	92.1
V469742 V469743 V469744 V469745 V469746						
V469747 V469748 V469749 V469750 V469751						



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
V469752		0.07	0.138													
V469753		2.13	0.063													
V469754		0.87	0.093													
V469755		1.95	0.062													
V469756		2.05	0.085													
V469757		2.11	0.069													
V469758		1.96	0.003													
V469759		2.24	0.002													
V469760		2.10	0.005													
V469761		2.02	0.027	0.05	6.10	44.9	500	0.82	0.07	9.01	0.10	21.3	18.0	25	1.77	36.7
V469762		2.10	0.755													
V469763		1.84	0.017													
V469764		1.58	0.032													
V469765		1.93	0.024													
V469766		0.97	0.001													
V469767		1.93	0.013													
V469768		1.72	0.260													
V469769		<0.02	0.263													
V469770		2.00	0.105													
V469771		2.04	0.009													
V469772		2.14	0.069													
V469773		2.23	0.111													
V469774		2.12	0.027													
V469775		2.28	0.044													
V469776		2.15	0.008													
V469777		1.97	0.004													
V469778		1.97	0.006													
V469779		1.93	0.068													
V469780		1.91	0.008													
V469781		1.80	<0.001													
V469782		1.71	0.018	0.02	6.65	2.9	1350	1.83	0.10	3.14	0.07	75.3	8.4	18	1.06	7.6
V469783		1.93	0.005													
V469784		0.74	0.001													
V469785		1.82	0.003													
V469786		1.92	0.010													
V469787		1.94	0.003													
V469788		2.25	0.009													
V469789		1.74	0.008													
V469790		2.15	0.013													
V469791		1.71	0.008													



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
V469752 V469753 V469754 V469755 V469756		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
V469757 V469758 V469759 V469760 V469761		6.64	12.70	0.06	1.8	0.058	1.93	8.5	45.7	1.69	2350	0.73	1.57	3.5	33.8	670
V469762 V469763 V469764 V469765 V469766																
V469767 V469768 V469769 V469770 V469771																
V469772 V469773 V469774 V469775 V469776																
V469777 V469778 V469779 V469780 V469781																
V469782 V469783 V469784 V469785 V469786		2.14	19.40	0.15	3.0	0.031	1.90	32.8	29.8	0.74	548	1.60	4.04	4.2	14.3	980
V469787 V469788 V469789 V469790 V469791																



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469752 V469753 V469754 V469755 V469756																
V469757 V469758 V469759 V469760 V469761		4.7	72.3	<0.002	0.57	3.92	19.4	1	0.6	461	0.23	<0.05	0.52	0.454	0.35	0.2
V469762 V469763 V469764 V469765 V469766																
V469767 V469768 V469769 V469770 V469771																
V469772 V469773 V469774 V469775 V469776																
V469777 V469778 V469779 V469780 V469781																
V469782 V469783 V469784 V469785 V469786		7.3	45.4	0.002	0.38	2.49	3.8	1	0.5	1730	0.20	<0.05	4.01	0.181	0.24	1.1
V469787 V469788 V469789 V469790 V469791																



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469752 V469753 V469754 V469755 V469756						
V469757 V469758 V469759 V469760 V469761		130	3.3	11.1	111	71.5
V469762 V469763 V469764 V469765 V469766						
V469767 V469768 V469769 V469770 V469771						
V469772 V469773 V469774 V469775 V469776						
V469777 V469778 V469779 V469780 V469781						
V469782 V469783 V469784 V469785 V469786		47	3.9	6.4	54	117.5
V469787 V469788 V469789 V469790 V469791						



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
V469792		1.89	0.140	0.03	6.87	2.6	630	1.97	0.09	3.02	0.07	83.4	8.6	19	1.02	12.4
V469793		1.73	0.155	0.03	6.87	2.6	630	1.97	0.09	3.02	0.07	83.4	8.6	19	1.02	12.4



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Sample Description	Method	Analyte	Units	LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61					
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P		
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	10	
V469792					2.37	19.40	0.12	3.2	0.032	1.75	33.8	42.4	0.75	572	0.49	4.24	4.4	15.2	960		
V469793																					

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



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Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
V469792 V469793		13.0	42.5	0.002	0.38	1.91	3.9	<1	0.7	576	0.20	<0.05	4.51	0.186	0.22	1.1



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
V469792 V469793		46	11.0	6.7	43	121.0



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CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61												
	LABORATORY ADDRESSES												
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61												
Applies to Method:	Processed at ALS Timmins located at Unit 10 - 2090 Riverside Drive, Timmins, ON, Canada.												
	<table border="0"> <tr> <td>CRU-31</td> <td>CRU-QC</td> <td>LOG-21</td> <td>LOG-21d</td> </tr> <tr> <td>LOG-24</td> <td>PUL-31</td> <td>PUL-31d</td> <td>PUL-QC</td> </tr> <tr> <td>SPL-21</td> <td>SPL-21d</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	LOG-21d	LOG-24	PUL-31	PUL-31d	PUL-QC	SPL-21	SPL-21d	WEI-21	
CRU-31	CRU-QC	LOG-21	LOG-21d										
LOG-24	PUL-31	PUL-31d	PUL-QC										
SPL-21	SPL-21d	WEI-21											