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# **SUMMER 2020 – WINTER 2021 KASAGIMINNIS GOLD PROJECT DIAMOND DRILLING REPORT**

**Little Ochig Lake Area  
Patricia Mining District  
NW Ontario**

**NTS: 520/08**



**ARDIDEN**

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## Summary

The Property is situated within the Meen-Dempster greenstone belt of the Archean age Uchi Subprovince in northwest Ontario. The Uchi Subprovince is richly endowed with over 62 million ounces of gold. This includes over 38 million ounces of past production at 5-15 g/t gold and over 24 million ounces of gold in resources and reserves.

The Uchi Subprovince extends for over 800 km from Bisset in the Province of Manitoba, through Red Lake and Pickle Lake in the Province of Ontario. Ardiden Limited is focused on under-explored parts of the central Uchi near established towns that are serviced by all-weather highways. This Property is one of these areas of interest.

Ardiden Limited (Ardiden) contracted Major Drilling Group International Inc to complete a series of early exploration diamond drill holes over the Kasagiminnis Property (Property). This was completed between 30 August 2020 until 23 March 2021. The new information provided from the diamond drilling has been utilised to determine structural controls, mineralisation, and lithological boundaries of the property whilst developing a broader understanding of the underlying controls on mineralization present across the property that was identified during the 2018 drill program.

Objectives of the drilling program is to:

- Test historical gold intercepts against magnetic conductors
- Obtain a sense of the lithological sequence in relation to intrusive bodies and metasediments
- Obtain structural data from drill core

The results for the diamond drilling have highlighted significant zones of deformation being overprinted by a series of multiple shear zones, intrusive anomalies, and magnetic destruction, which appears to offset the iron formation. Continued work is required to understand the nature and timing of the intrusive bodies along with the structural controls displayed in the drill core. The continuation of significant results with Au mineralisation were recorded within the assays from this 2020-2021 program and confirms assay results from the 2018 program. Defined structural interpretations taken from drill core have highlighted the presence of multiple shear zones with sulphide mineralisation, alteration zones and metasediment contacts that warrant further drilling.

Access to property for the drill program was initially via helicopter in the summer months before Ardiden completed a winter road into the project. This was completed over 16.73km into the project off Highway 599

All units in the report are in the SI system and all co-ordinates use the Universal Transverse Mercator with a datum of NAD83 in Zone 15N.

## Introduction

Between August 30<sup>th</sup> and December 3<sup>rd</sup>, 2020, and a secondly between March 5<sup>th</sup> and March 23<sup>rd</sup>, 2021, two diamond drilling programs were conducted at the Kasagiminnis Lake Property. Fifteen holes (KAS-20-01 to KAS-20-15) produced 3,117 metres, and in 2021, and 6 holes (KAS-21-01 to KAS-21-06) produced 853.47 metres

from diamond core drilling with a combined total of twenty-one drill holes. A combined total of 3,970.47 metres was drilled as part of a due diligence program to test and evaluate high grade historic gold intercepts and test mineralization extensions of key gold mineralization zones (the Kasagiminnis Gold Zone) to the west and east of the current JORC Resource and below the cut-off depth of 250 metres. These historic gold occurrences were previously drilled in 2011 by Manicouagan Minerals Inc and in 2018 by Ardiden Limited.

Of the twenty-one holes drilling during this program, four were abandoned due to broken ground or hole movement from the planned dip and azimuth (KAS-20-11, KAS-20-13, KAS-20-15, and KAS-21-03). Hole KAS-21-04 was abandoned from the ice due to rapid changing conditions. The remaining fifteen holes had reached their targeted depth successfully and encountered the Kasagiminnis Gold Zone. Gold mineralization in the Kasagiminnis Gold Zone occurs within a silicified zone containing disseminated sulphides (pyrite, pyrrhotite) alongside magnetite which was historically was called 'iron formation'.

The Kasagiminnis Lake Property consists of a contiguous block of 50 mineral claims totalling 9.91km<sup>2</sup> situated in the Little Ochig Lake Area (G-2114).

Portions of this report have been copied from the NI 43-101 Technical Report titled "Technical Report on Three Gold Exploration Properties Pickle Lake Area, Ontario, Canada for Manicouagan Minerals Inc." written by G.A. Harron & Associates Inc. and dated August 31st, 2009, and the Technical Report titled "Work Report of the 2011 Diamond Drilling Program, Kasagiminnis Lake Project Pickle Lake Area, Ontario" written by Bruce Mackie Geological Consulting Services and dated October 2011.

## Terms of Reference

This Report was prepared in conjunction with and at the request of Ardiden Limited for the purpose of filing assessment work as required under the Ontario Mining Act.

Map projections are in UTM, North American Datum 83, Zone 15 and all referenced UTM coordinates are in metres in this project unless stated otherwise. Contractions are "mm" = millimetre, "cm" = centimetre, "m" = metres, "km" = kilometres, "g" = gram, "kg" = kilogram, "in" = inch, "ft" = foot, "lb" = pound, "oz" = troy ounce, "oz/ton" = troy ounce per short ton, "g/T" is grams per metric tonne, and "ddh" = diamond drill hole.

## Disclaimer

The writer/s disclaims responsibility for portions of the current report that rely on information from historic assessment files and government maps and reports which may not have been prepared in compliance with modern standards.

## Property Location and Description

The Kasagiminnis Lake Property is located in the Patricia Mining District in North-western Ontario approximately 25 kilometres southwest of the town of Pickle Lake, and approximately 15 kilometres west of Mishkeegogamang First Nation Community of New Osnaburgh (see Figures 1 and 2). The geographic centre of

the property is located at 681818mE, 5682970mN (UTM, Zone 15, NAD83). The project covers portions of National Topographic Sheet (NTS) 52O/08.



Figure 1– Property Location Map (Natural Resources Canada, 2002)

On August 2<sup>nd</sup>, 2017, Ardiden Limited (ASX: ADV) signed an option agreement with White Metal Resources Corporation (TSX-V: WHM) to acquire 100% of the Pickle Lake Gold Properties in Ontario, Canada. The proposed acquisition includes four separate gold properties the Dorothy-Dobie Lake Property, Kasagiminnis Lake Property, South Limb Property, and the Pickle Lake West Property.

As of the date of this report, the Kasagiminnis Lake Project consists of a contiguous block of 44 mining claims totalling 1,007 Ha. The Kasagiminnis Lake Property is part of a larger land package, the Pickle Lake Properties, held by Ardiden Limited known as the Pickle Lake Gold Project, totalling 5,028 mining claims totalling 108,800 Ha and encompassing 250, 250 North, Dempster Lake, Dorothy Dobie, Dorothy Dobie North, Duffell Lake, Fry-McVean, Jean Lake, Kasagiminnis Lake, Kasagiminnis Lake North, Kawashe Lake, Kawashe Lake North, Keating

Lake, Meen Lake, New Patricia, Nabemakoseka, Relyea Lake, South Limb and West Pickle projects. The Kasagiminnis Lake Project requires \$20,000 per year in mineral exploration assessment work to keep the claims current, and the larger Pickle Lake Properties requires \$1,993,200 per year in mineral exploration assessment work to keep all claims current.

***Table 1– Kasagiminnis Project Mineral Claims Cell Information***



Area	Tenure ID	Project	Cell ID	Tenure Type	Tenure Status	Anniversary Date	Holder
Little Ochig Lake	107775	Pickle Lake	52008D320	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	110169	Pickle Lake	52008D355	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	122181	Pickle Lake	52008D292	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	122182	Pickle Lake	52008D312	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	122183	Pickle Lake	52008D354	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	124715	Pickle Lake	52008C263	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	124716	Pickle Lake	52008C261	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	124717	Pickle Lake	52008C283	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	136219	Pickle Lake	52008C262	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	136220	Pickle Lake	52008C303	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	136221	Pickle Lake	52008C301	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	141049	Pickle Lake	52008D352	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	142242	Pickle Lake	52008C322	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	178845	Pickle Lake	52008D275	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	178846	Pickle Lake	52008D318	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	181427	Pickle Lake	52008C282	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	187592	Pickle Lake	52008D313	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	188198	Pickle Lake	52008D340	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	198430	Pickle Lake	52008D336	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	199793	Pickle Lake	52008D311	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	200883	Pickle Lake	52008C321	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	236848	Pickle Lake	52008C281	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	236849	Pickle Lake	52008C302	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	253606	Pickle Lake	52008D296	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	253607	Pickle Lake	52008D295	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	254414	Pickle Lake	52008D332	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	266397	Pickle Lake	52008D351	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	281542	Pickle Lake	52008D331	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	290904	Pickle Lake	52008D291	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	290905	Pickle Lake	52008D353	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	292065	Pickle Lake	52008D280	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	292066	Pickle Lake	52008D300	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	301653	Pickle Lake	52008D335	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	310309	Pickle Lake	52008D293	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	310310	Pickle Lake	52008D314	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	310311	Pickle Lake	52008D334	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	310962	Pickle Lake	52008C323	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	341762	Pickle Lake	52008D294	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	341763	Pickle Lake	52008D333	SCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	703842	Pickle Lake	52008D298, 52008D299, 52008D297	MCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	703892	Pickle Lake	52008D315, 52008D316, 52008D317	MCMC	Active	06-09-21	100% (412507) ARDIDEN LTD
Little Ochig Lake	713441	Pickle Lake	52008D319, 52008D339, 52008D338, 52008D337	MCMC	Active	06-09-21	100% (412507) ARDIDEN LTD





## Climate and Physiography

Elevations on the Kasagiminnis Lake Project are generally within a 20m range from 390m to 410 m above sea level. The prevailing climatic conditions are typical of the northern Boreal Forest, with cold winter months and warm summer months lasting from June through September. Weather conditions allow exploration activities such as diamond drilling and geophysical surveys to be conducted year-round.

## Geological Setting

### Regional Geology

The Kasagiminnis Lake Project is located in the western part of the Pickle Lake Greenstone Belt situated within the Uchi Domain which is located in the southern part of the North Caribou Terrane which in turn lies within the Uchi Subprovince of the Canadian Shield (see Figure 3).

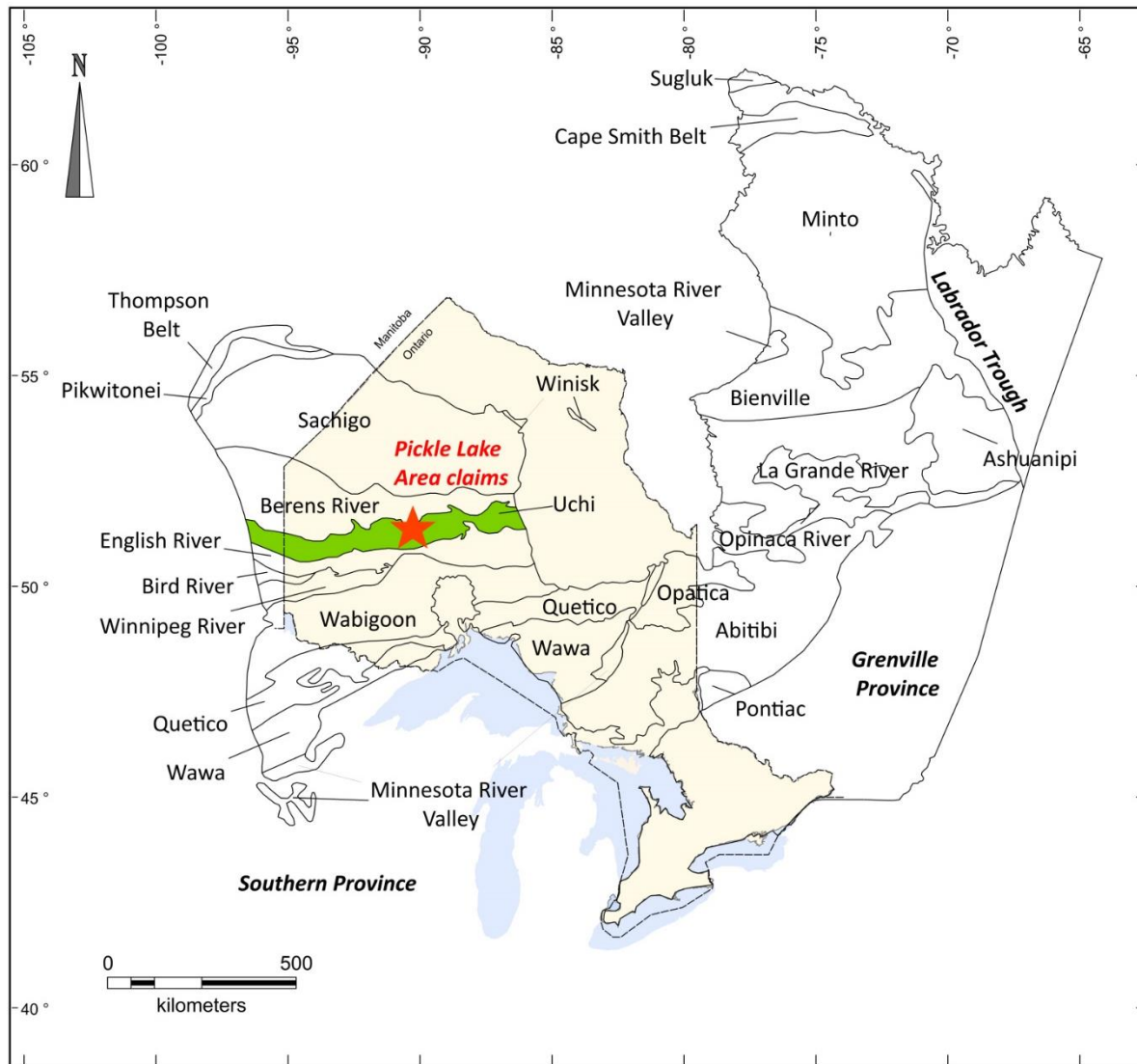
The Uchi Domain represents an area where significant Neoproterozoic volcanism and tectonism resulted in the production of new continental crust both prior and synchronous to collision with the Winnipeg River Terrane to the south. As a result, the Uchi Domain comprises Neoproterozoic volcanic-dominated supracrustal rock sequences, locally significant sedimentary rock accumulations and associated plutons that were built upon, or adjacent to the earlier Mesoproterozoic crust.

The “Pickle Lake Greenstone Belt” has been divided by previous workers in the past into a western portion; the Meen-Dempster Greenstone Belt (“M-DGB”) and an eastern portion; the Pickle Lake (“PLGB”) Greenstone Belt. This two- fold subdivision will be kept for the description below.

The Pickle Crow Assemblage is the oldest (>2860 Ma) lithologic sequence identified in the two greenstone belts. It is composed of mainly massive to pillowed basalt intercalated with thin laterally continuous banded iron formation and small discontinuous lenses of intermediate volcanic rocks. All of these lithologies are intruded by quartz-feldspar porphyry sills, and mafic to ultramafic intrusions. The Pickle Crow Assemblage is interpreted as being deposited in a back-arc to emergent arc setting prior to ~2860 Ma. The isotopically enriched tholeiitic lower sequence may represent deposition on or near a thinned or juvenile continental margin. The compositionally diverse rocks of the upper sequence are interpreted as originating in a transitional arc to back-arc setting.

Rocks of the overlying Kaminiskag Assemblage (2842-2836 Ma) have been identified along the northern margin of the M-DGB and along the south-eastern margin of the PLGB. Similar to the Pickle Crow Assemblage massive to pillowed basalt lithologies dominate, and at least two interflow banded iron formations are also present. In the M-DGB the Kaminiskag Assemblage also includes a number of thin discontinuous units of dacite to rhyolitic tuff, whereas in the PLGB the felsic unit is thicker and continuous over 8 km.

The Kaminiskag Assemblage is characterized by LREE depleted tholeiitic basalt and calc-alkaline dacite to rhyolite with radiogenic Nd isotopic compositions. These petrochemical characteristics are typical of immature Archean arc related rocks that occur in younger convergent margin settings.



**Figure 3 - Geological Sub Provinces**

The Meen Assemblage (2825 Ma) occurs exclusively in the M-DGB. This assemblage faces southwest, immediately overlying rocks of the Kaminiskag Assemblage and underlying a sequence of Confederation Assemblage rocks that are located to the southwest. The Meen Assemblage occurs as a tabular sheet with a 40 km strike length composes of monolithic pyroclastic rocks that are dominantly dacitic in composition with minor rhyolite. The upper portion of the assemblage locally contains sedimentary rocks (chert, marble, arenite, and pyrite-graphite schist).

Confederation Assemblage rocks (2744-2730 Ma) are found in both the M-DGB and the PLGB. Most of the northeast portion of the Confederation Assemblage is composed of intercalated mafic and intermediate volcanic rocks, which are best exposed in the south-eastern part of the PLGB, where the facing direction is to the southeast. In the eastern part of the PLGB the basal contact of the Confederation Assemblage with the

underlying Pickle Crow assemblage is marked by abundant fragmental rocks. In the M-DGB the Confederation Assemblage consists of two bimodal volcanic cycles. Each cycle is composed of pillowed to massive volcanic flows overlain by dacitic pyroclastic rocks. One of these cycles can be correlated between the M-DGB and the PLGB.

### **Geology of the Pickle Lake Greenstone Belt**

The PLGB is an approximately 70 km long by 25 km wide area of supracrustal rocks and internal granitoid plutons surrounded by large granitoid batholiths (Figures 4 & 5). The supracrustal rocks have been deformed and metamorphosed to greenschist facies with amphibolite facies occurring as thermal areoles surrounding younger plutons. A recent revised interpretation of the regional geology forms the basis of the following description of the PLGB.

The PLGB is subdivided into three (tectono-stratigraphic) assemblages (Pickle Crow, > 2860 Ma; Kaminiskag, ~2836 Ma; Confederation ~2744 Ma). The northwest-facing Pickle Crow assemblage dominates the north-western part of the PLGB. It comprises mainly massive to pillowed basalt flows intercalated with thin laterally continuous banded iron formation and small discontinuous lenses of intermediate volcanic rocks, all of which are intruded by semi-concordant quartz-feldspar porphyry dykes of various ages. On the basis of petrochemical characteristics, the Pickle Crow assemblage can be subdivided into a lower and an upper sequence. The lower sequence consists of tholeiitic basalt and rare calc-alkaline andesite which is spatially associated with iron formation. The upper sequence also consists of tholeiitic basalt intercalated with rare lenses of calc-alkaline andesite to dacite but is distinguished from the lower sequence by a centrally located alkaline basalt unit.

Rocks of the PLGB are affected by three episodes of folding and regional metamorphism.

The McCullah Creek-First Loon Lake area of the PLGB is underlain by supracrustal rocks of three distinct tectonostratigraphic assemblages (Pickle Crow, Confederation and Kaminiskag).

The northern portion of the PLGB is underlain by a northeast-striking sequence of supracrustal rocks defined as the Pickle Crow assemblage (Figure 5). This assemblage is dominated by massive and pillowed mafic volcanic flows with subordinate gabbroic sills. The mafic volcanic rocks are intercalated with thin laterally continuous banded iron formation and small discontinuous lenses of intermediate volcanic rocks. All lithologies are intruded by semi concordant feldspar porphyry dikes. Stratigraphy generally faces toward the northwest, except in areas of asymmetric folding. The minimum age of this assemblage is estimated to be 2860 Ma.

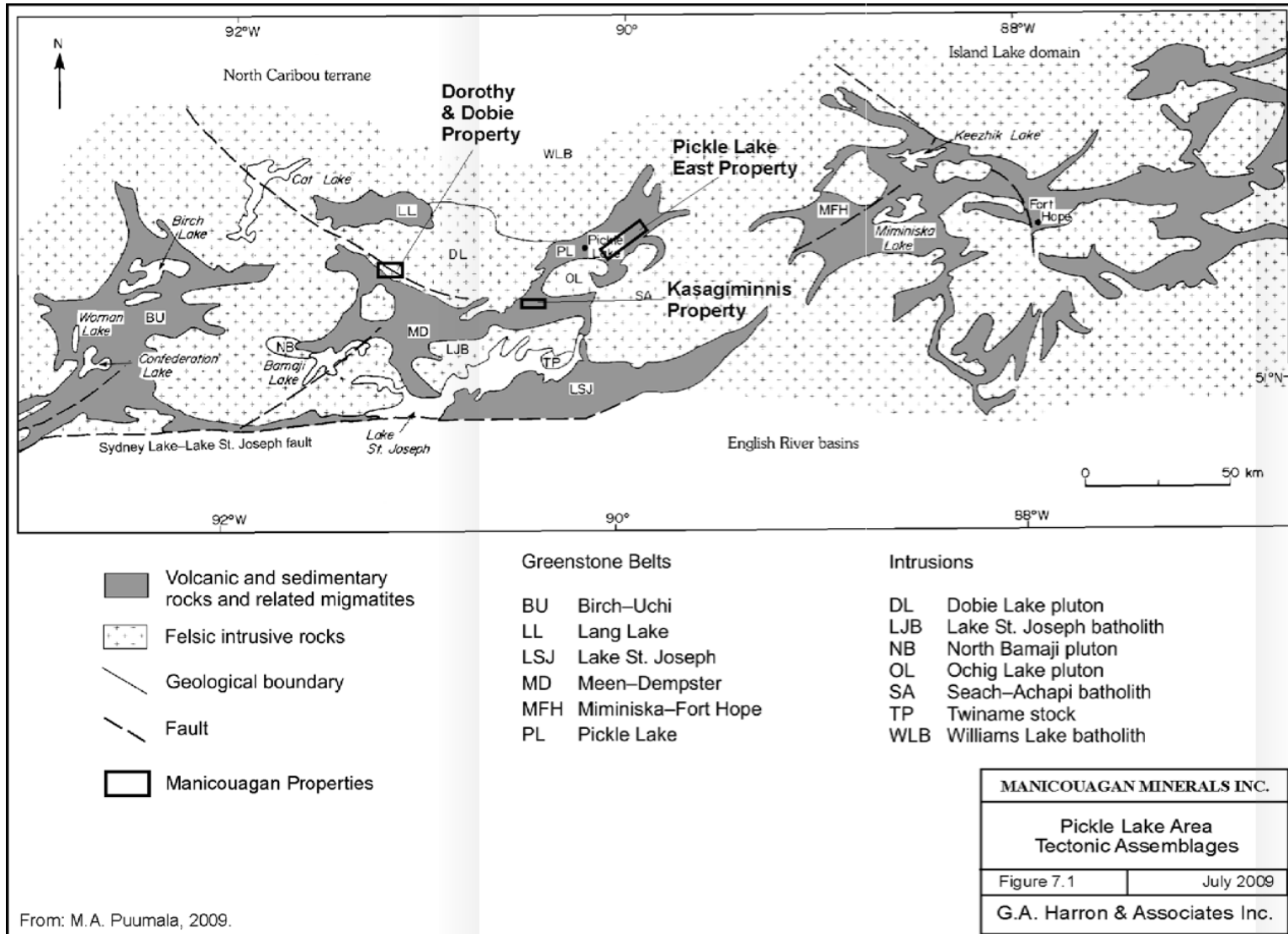


Figure 4 - Pickle Lake Area Tectonic Assemblages

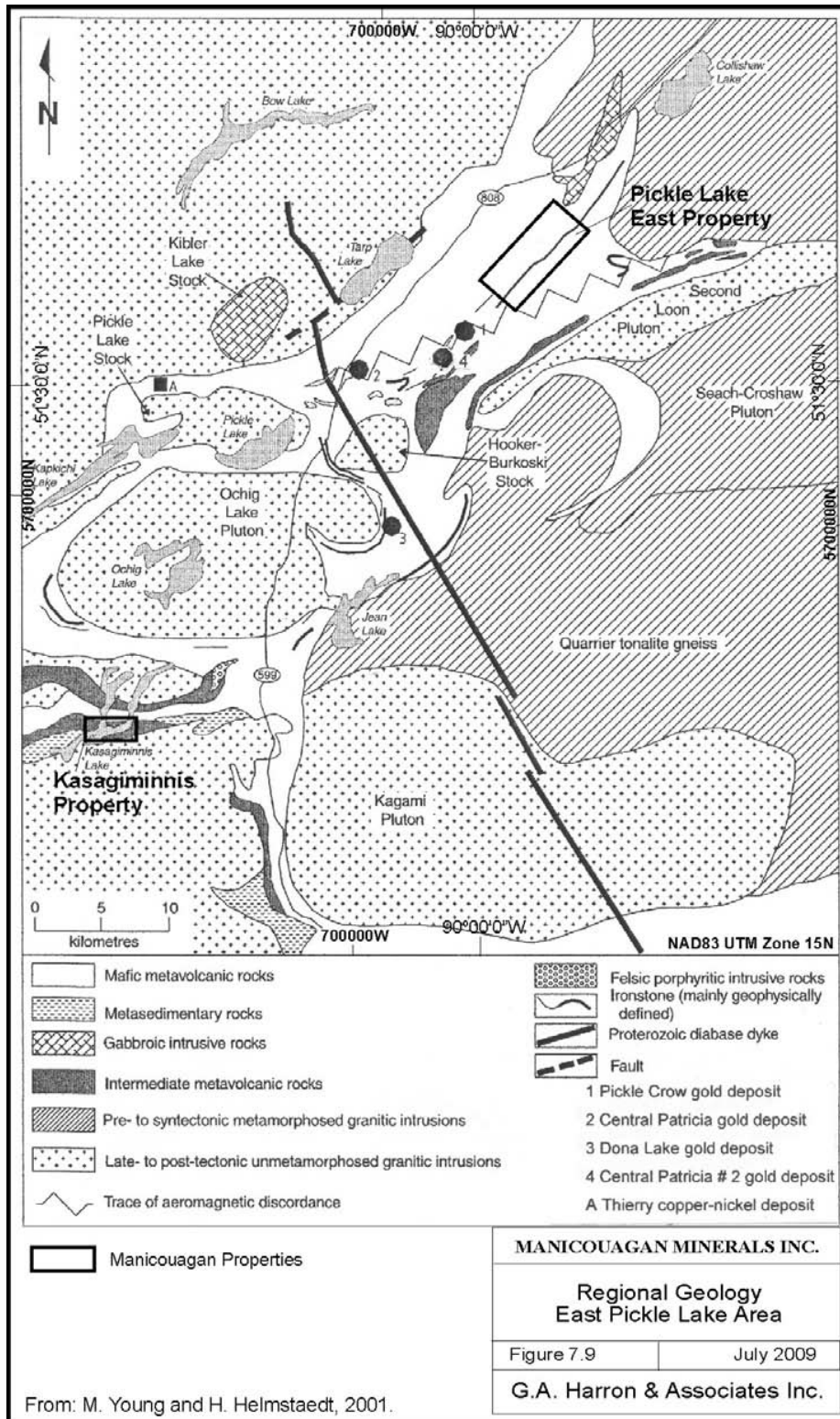


Figure 5 - Kasagiminnis Lake Area Geology



Rocks of the Kaminiskag assemblage (circa 2836 Ma) outcrop to the southeast of the Confederation assemblage. The Kaminiskag assemblage is dominated by mafic volcanic flows, with significant layers of felsic to intermediate volcanic ash flows. The mafic volcanic rocks are generally strongly foliated massive amphibolites, although minor amounts of ultramafic material have been reported. Minor amounts of banded iron formation are interbedded with the mafic volcanic rocks and thin layers of fine-grained clastic sediments are locally interbedded with the felsic to intermediate volcanic rocks. The main felsic to intermediate volcanic unit is a quartz-phyric dacite tuff that can be traced over a strike length of 8 km. This unit locally contains thin pyrrhotite rich massive sulphide lenses in chert.

The Kaminiskag assemblage is bounded to the southeast by granitic rocks of the Second Loon pluton, which imposes a contact strain and metamorphic aureole upon the adjacent supracrustal rocks. Generally, stratigraphy and foliation in the area are sub parallel, strike northeast and dip steeply to the northwest.

Strongly deformed rocks that exhibit extensive silica and carbonate alteration occur in the north-western portion of the area, near the Kawinogans River. This deformation zone extends toward the southwest into the Pickle Crow Mine area. This deformation event may also be linked to the creation of the anticline-syncline pair in the Central Patricia and Pickle Crow areas. Axial surfaces strike southwest and dip steeply to the northwest, with moderate to steep northeast- plunging hinge lines.

The boundary between the Confederation (2744 Ma) and the Pickle Crow (2860 Ma) assemblages has been interpreted to occur northeast of First Loon Lake. A major structural discontinuity separates an “S” fold from a sequence of less deformed lithologies to the southeast, and south facing directions indicate Confederation assemblage lying unconformably on Pickle Crow assemblage rocks.

### **Kasagiminnis Lake Project Geology**

The Kasagiminnis Lake property is located in the Dempster-Pickle Lakes greenstone belt which trends roughly east-west and joins the Pickle Lake belt to the east, and the Meen-Dempster Lakes belt to the west. The property is underlain by a complex sequence of southward younging mafic-to- intermediate flows, mafic-to-felsic pyroclastics, sediments and iron formation. This sequence has been intruded by numerous small gabbroic bodies, granite pegmatite dykes and minor felsite dykes. The portion of the belt exposed on the property has been compressed between two granitic bodies, the Kasagiminnis Lake and Carling Granite Plutons, on the north and south respectively, resulting in a narrowing of the belt to approximately one mile in width. High angle faults, interpreted from geological and geophysical data, crosscut the volcano-sedimentary sequence and trend northeast-southwest and northwest-southeast. Pervasive shearing and small-scale folding are probably related to a regional tectonic event.

### **Alteration and Mineralization**

The following is a description of the setting of the gold mineralization indicated from the historical drill results on the Kasagiminnis Lake Project from G. Herron 2009.

*“The hanging wall unit is identified as a fine-grained dacite to rhyodacite tuff. Silicification and sericitization make the unit appear rhyolitic. The mafic volcanic tuff and (or) amphibolite unit may be a sill-like intrusion or a thin mafic tuff. It contains 1 to 3% fine, disseminated, acicular magnetite. The unit grades into the mineralized zone where it is interlayered with lean chert-magnetite iron formation. The unit is auriferous where the magnetite is replaced by pyrrhotite. Magnetite and pyrrhotite are mutually exclusive of one another.*”

The footwall quartz-carbonate veinlet zone usually occurs within mafic volcanics, but locally incorporates minor iron formation. The quartz-calcite veinlets are similar to those that carry gold in the mineralized zone.

The footwall zone contains minor, secondary pyrrhotite and subeconomic concentrations of gold. The footwall mafic metavolcanics are tuffs and (or) flows, which appear to be similar to the mafic volcanic tuffs and (or) amphibolites of the hanging wall rocks, are foliated with a fine-to medium- grained porphyroblastic texture but are otherwise featureless. To date, 25 diamond-drill holes have intersected the mineralized zone.

The mineralized zone is a 10-13 m wide interval of mafic volcanic tuffs interlayered with lean iron formation. The zone is sheared, silicified and contains garnets as well as 1 to 5% pyrrhotite, and occasional concentrations up to 50%. Gold content appears to have a sympathetic relationship with pyrrhotite. In a few cases quartz-carbonate veinlets rimmed by amphibole and grunerite contain visible gold. Grunerite is common throughout the mineralized section. Hanging wall rocks to the mineralized zone are fine grained silicified and sericitized dacite and rhyodacite tuff, containing disseminated red biotite flakes and rarely sulphide minerals. The footwall to the mineralized zone is a sequence of felsic tuffs or flows similar to the mafic tuffs and amphibolites of the hanging wall (Seim, 1993).

The internal structures present in the bedrock are not well understood, due to a paucity of outcrop. Some faults interpreted from magnetic surveys have been supported by mylonites and fault breccias intersected in drill cores. Faults trending both northeast and northwest have been identified and may represent a conjugate fracture system developed in response to emplacement of surrounding granitoid plutons.”

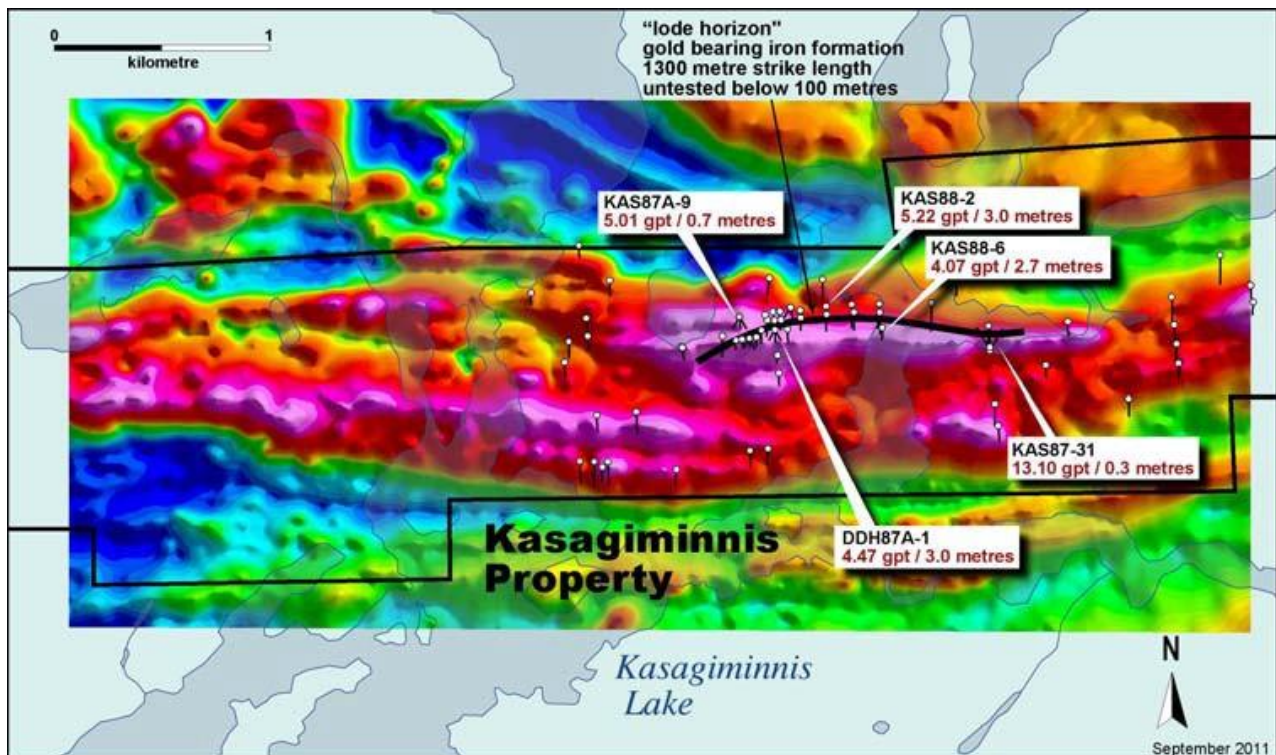


Figure 6 - Relationship between magnetite and gold mineralization (Herron, G.A. 2009)

## Deposit Type

The Kasagiminnis Lake prospect is situated within a 1.6 km wide east-trending segment of greenstone belt sandwiched between the Kasagiminnis Lake Pluton to the north and the Carling Lake Batholith to the south. The segment of greenstone belt consists of a sequence of south facing, slightly overturned, mafic metavolcanic flows interlayered with mafic to felsic pyroclastics, metasediments and lean oxide-facies iron formation with possible local silicate-facies iron formation. Gabbroic amphibolites, pegmatites, and the occasional felsic dyke are intrusive to the volcanic sedimentary sequence. The deposit geology, due to the scarcity of outcrop, is interpreted for the most part from diamond-drill core. The rock sequence through the gold deposit from the hanging wall on the north to the footwall on the south, is as follows: 1. Interlayered mafic metavolcanics and felsic pyroclastics. 2. Intermediate to felsic tuffs and crystal tuffs. 3. Mafic metavolcanic tuff and (or) amphibolite. 4. The mineralized zone. 5. Footwall quartz-carbonate veinlet zone. 6. Footwall mafic metavolcanics. The mineralized zone is a 10 to 13 m wide interval of mafic metavolcanic tuffs interlayered with lean iron formation. The zone is sheared and silicified and contains varying concentrations of secondary pyrrhotite. It is commonly garnetiferous. The gold content appears to be directly related to the pyrrhotite concentration, which varies from 1% to 5%, but is locally greater than 50% of the rock. The pyrrhotite is disseminated and has a feather texture. Occasionally, quartz-carbonate veinlets, rimmed by amphibole and grunerite, also carry gold. Grunerite is common throughout the mineralized section.

The hanging wall unit is identified as a fine-grained dacite to rhyodacite tuff. Silicification and sericitization make the unit appear rhyolitic. The mafic metavolcanic tuff and (or) amphibolite unit may be a sill-like intrusion or a thin mafic tuff. It contains 1 to 3% fine, disseminated, acicular magnetite. The unit grades into the mineralized zone where it is interlayered with lean chert magnetite iron formation. The unit is auriferous where the magnetite is replaced by pyrrhotite. Magnetite and pyrrhotite are mutually exclusive of one another. The footwall quartz-carbonate veinlet zone usually occurs within mafic metavolcanics, but locally incorporates minor iron formation. The quartz-calcite veinlets are similar to those that carry gold in the mineralized zone. The footwall zone contains minor, secondary pyrrhotite and subeconomic concentrations of gold. The footwall mafic metavolcanics are tuffs and (or) flows, which appear to be similar to the mafic metavolcanic tuffs and (or) amphibolites of the hanging wall rocks, are foliated with a fine- to medium-grained crystalloblastic texture but are otherwise featureless. (Janes *et al*, 1989).

## History of Exploration on the Property

Exploration has been documented in the Kasagiminnis Lake area since the early 1970s as follows:

- 1970s UMEX completed regional airborne geophysics and subsequently drilled two anomalies in the Kasagiminnis Lake area. No assay results reported.
- 1985 Moss Resources Ltd. Airborne VLF-EM and magnetic survey completed by Terraquest covering Kasagiminnis Lake property and some surrounding area.
- 1986 Power Exploration completed geological mapping.

- 1986-87 Power Exploration completed 39 drillholes totalling 12,424 feet. Drilling encountered significant gold mineralization including: 4.7' of 0.58 oz/t, 4.2' of 1.40 oz/t & 4.2' of 0.58 oz/t.
- 1987 Power Exploration completed detailed geological mapping and ground geophysics with discovery of a mineralized vein 400 feet from previous drilling.
- 1987-88 Power Exploration completed 49 drillholes totalling 19,971 feet and outlined a broad zone of gold mineralization over 3700 feet of strike extent.
- 2004 McVicar Resources completed airborne magnetic survey.
- 2007 Trillium North Resources mapped historic trenches found on the property.
- 2009 Manicouagan Minerals completed an airborne magnetic survey.
- 2009 Manicouagan Minerals completed a small soil sampling program to test a geophysical anomaly and reported 41ppb au.
- 2010 Manicouagan completed a B horizon soil sampling and mapping program.
- 2011 Manicouagan Minerals completed a drill program of 9 drillholes totalling 1,095 m. Significant results included 7.9m of 7.24 g/t Au and 1.9m of 12.7 g/t Au.
- 2018 Ardiden Limited completed a drill program of 15 drillholes totalling 1,869 m. Significant results included 26.20m @ 3.19 g/t Au, 21.0m @ 3.97 g/t Au and 15.40m @ 3.21 g/t Au.
- 2020 Ardiden Limited completed a UAV Magnetic Geophysical Survey over Kasagiminnis Property.

## Current Program

Between August 30<sup>th</sup> and December 3<sup>rd</sup>, 2020, and a secondly between March 5<sup>th</sup> and March 23<sup>rd</sup>, 2021, two separate diamond drill program was carried out on the Kasagiminnis Lake Project (PR-20-00112). Twenty-one holes, KAS-20-01 to 15 and KAS-21-01 to 06, totalling 3,970.47 metres were drilled as part of a due diligence program to further test and evaluate high grade historic gold intercepts and test mineralization extensions of key gold mineralization zones within the Kasagiminnis Gold Zone (Table 2-3/ Figure 7). These historic gold occurrences were previously drilled in 2018 by Ardiden Limited (KAS-18-01 to KAS-18-15) and Manicouagan Minerals in 2011.

## Personnel

Field operations were supervised by Ardiden Limited. The drill program was supervised by Daniel Grabiec P.Geo and Joseph Suk GIT. Exploration geologists and labour was provided by Pleson Geoscience (Geologists: Rory Krockner, Alex Pleson, Ramin, Dorian Chamale, Ramin Ghaderpanah and Marc Brunelle. Geotechnician: Phil Houghton and Scott Sutherland) with Mishkeegogamang First Nations providing a geotechnician (Andrew Munro). The drill contractor for the drill program was Majors Drilling Inc. from Winnipeg, Manitoba. The helicopter for the program was supplied by Panorama Helicopters Ltd. from Alma, Quebec. Trail construction and ice building contractors were provided by Pleson Geoscience. All these individuals and contractors

satisfactorily carried out their respective duties. The program was based out of Pickle Lake, located approximately 20 kilometres northeast of the project area.

### **Diamond Drilling**

Drill hole collars for this program were spotted next to historic holes as they were clearly marked with pickets and drill hole still intact from the 2018 drill programs. The drill was lined up using the Reflex Azimuth Pointing System (APS). Collar location coordinates were taken using the Gamin handheld GPS. The drillers used the point of intersection into the overburden as their zero-metre mark. The GPS points for this program were taken at the same zero-metre mark as well where the casing first intersected the overburden. Five holes KAS-20-11, KAS-20-13, KAS-20-15, KAS-21-03 and KAS-21-04 were abandoned due to difficult ground conditions and where casing was left in the ground and cemented, all other casing was pulled.

Azimuths for KAS-20-01-05 to KAS-20-15 and KAS-21-01 to KAS-21-06 were taken with the APS while the drill was being oriented on the drill pad. All holes were surveyed with a continuous shot gyro survey in and out by a Reflex Sprint IQ given potentially difficult overburden conditions the casing could deflect and could cause the drill azimuth to vary 0 to 1.5 degrees east or west from the original drill line-up.

All drill core was orientated using a Reflex True Core orientation tool. Structural data was recorded on each drill hole with alpha and beta measurements taken.

Drillhole collar information can be found in Table 2 below and drill Logs describing these holes are appended to this report (**Appendix I**).

The total meterage per claim (Table 3) demonstrated the 3970.47 metres is distributed across 5 claim cells (107775, 178846, 292066, 703842 and 713441), with 9 drill holes KAS-20-03, KAS-20-05, KAS-20-06, KAS-20-10, KAS-20-14, KAS-21-01, KAS21-02, KAS-21-05 and KAS-21-06 traversing two claims. The remaining 12 drill holes are located within a single claim.

Table 2 - Drill Collar Table

HOLE-ID	Easting (m)	Northing (m)	ELEV (m)	DEPTH (m)	AZIMUTH	DIP
KAS-2001	682475.2	5683266.3	379.5	194m	180	-70
KAS-2002	682475.2	5683266.3	379.5	254m	185	-78
KAS-2003	682579.4	5683291	380	212m	177	-60
KAS-2004	682579.4	5683291	380	272m	180	-70
KAS-2005	682162.5	5683306.5	380	251m	179	-61
KAS-2006	682162.5	5683306.5	380	200m	179	-46
KAS-2007	682162.5	5683306.5	380	311m	182	-73
KAS-2008	682086.5	5683309.1	381.85	311m	182	-73
KAS-2009	682086.5	5683309.1	381.85	251m	179	-61
KAS-2010	682086.5	5683309.1	381.85	200m	182	-45
KAS-2011	682475.2	5683266.3	379.5	20m	189	-85
KAS-2012	682475.2	5683266.3	379.5	380m	206	-87
KAS-2013	682475.2	5683266.3	379.5	44m	180	-90
KAS-2014	682711	5683257	377	140m	180	-45
KAS-2015	682711	5683257	377	77m	179	-65
KAS-2101	682743	5683260	377.4	144.37m	180	-45
KAS-2102	682743	5683260	377.4	219.1m	180	-70
KAS-2103	682950	5683253	377.4	51m	180	-45
KAS-2105	682950	5683253	377.4	21m	180	-70
KAS-2105	682650	5683260	380	161m	180	-50
KAS-2106	682650	5683260	380	257m	180	-70

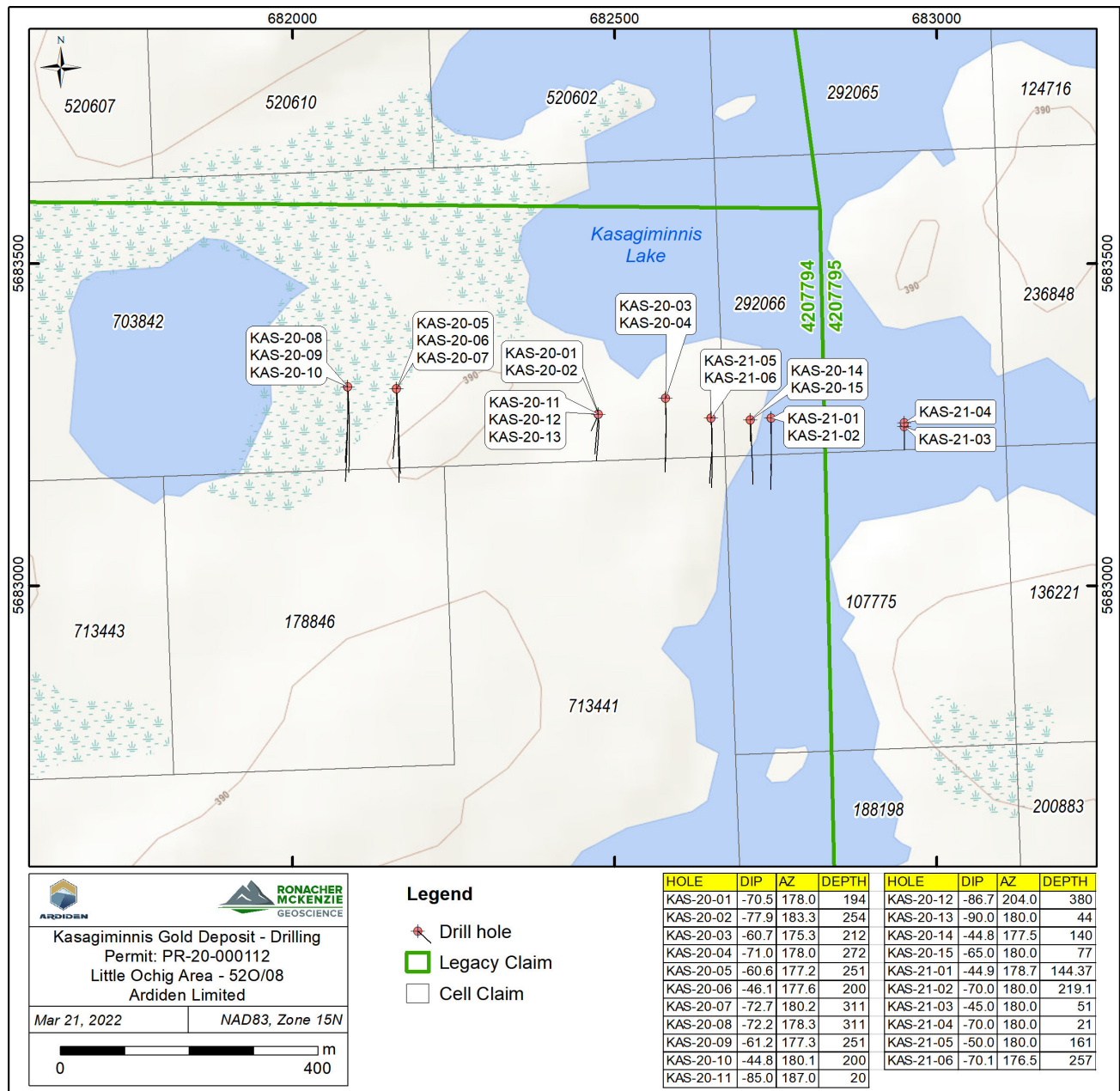


Figure 7 – Map of drill holes and access trail at the Kasagiminnis Prospect

Table 3 – Meterage per Claim

Hole_ID	Azimuth	Dip	Total Depth	Depth Per Cell	Cell_ID	Cell Total Length
KAS-20-14	180	-45	140.00	62.00	107775	0.00
KAS-21-01	180	-45	144.37	64.00	107775	0.00
KAS-21-02	180	-70	219.10	52.70	107775	178.10
KAS-20-05	180	-60	251.00	6.00	178846	0.00
KAS-20-06	180	-45	200.00	26.00	178846	0.00
KAS-20-10	180	-45	200.00	17.00	178846	49.00
KAS-20-03	180	-60	212.00	26.00	713441	0.00
KAS-21-05	180	-50	161.00	67.00	713441	0.00
KAS-21-06	180	-70	257.00	82.00	713441	175.00

Hole_ID	Azimuth	Dip	Total Depth	Depth Per Cell	Cell_ID	Cell Total Length
KAS-20-05	180	-60	251.00	245.00	703842	0.00
KAS-20-06	180	-45	200.00	174.00	703842	0.00
KAS-20-07	180	-70	311.00	311.00	703842	0.00
KAS-20-08	180	-70	311.00	311.00	703842	0.00
KAS-20-09	180	-60	251.00	251.00	703842	0.00
KAS-20-10	180	-45	200.00	183.00	703842	1475.00
KAS-20-14	180	-45	140.00	78.00	292066	0.00
KAS-20-15	180	-65	77.00	77.00	292066	0.00
KAS-21-01	180	-45	144.37	80.37	292066	0.00
KAS-21-02	180	-70	219.10	167.00	292066	0.00
KAS-21-03	180	-45	51.00	51.00	292066	0.00
KAS-21-04	180	-70	21.00	21.00	292066	474.37
KAS-20-01	180	-70	194.00	194.00	703842	0.00
KAS-20-02	180	-80	254.00	254.00	703842	0.00
KAS-20-03	180	-60	212.00	186.00	703842	0.00
KAS-20-04	180	-70	272.00	272.00	703842	0.00
KAS-20-11	180	-85	20.00	20.00	703842	0.00
KAS-20-12	180	-85	380.00	380.00	703842	0.00
KAS-20-13	180	-90	44.00	44.00	703842	0.00
KAS-21-05	180	-50	161.00	94.00	703842	0.00
KAS-21-06	180	-70	257.00	175.00	703842	1619.00
<b>TOTAL</b>						<b>3970.47</b>

### Drilling Access Trail

Access to the drill sites was via the winter access trail that is situated 40km south from Pickle Lake on Highway 599. This old trail heads west off the highway and was refurbished by Ardiden to conduct the winter drilling program. This trail commenced on 5 January 2021 and was completed 25 January by earthwork’s contractor Pleson Geoscience. At approximately 6.5km along this trail the permitted ice bridge was constructed by the earthwork’s contractor. A total of 16.73km was created to allow access into the drill pad locations (Figure 8). The total line metres of trail cleared traverses Ardiden’s Kasagiminnis North and Kasagiminnis Projects with 6 cells at Kasagiminnis and 41 cells and Kasagiminnis North (Table 3).



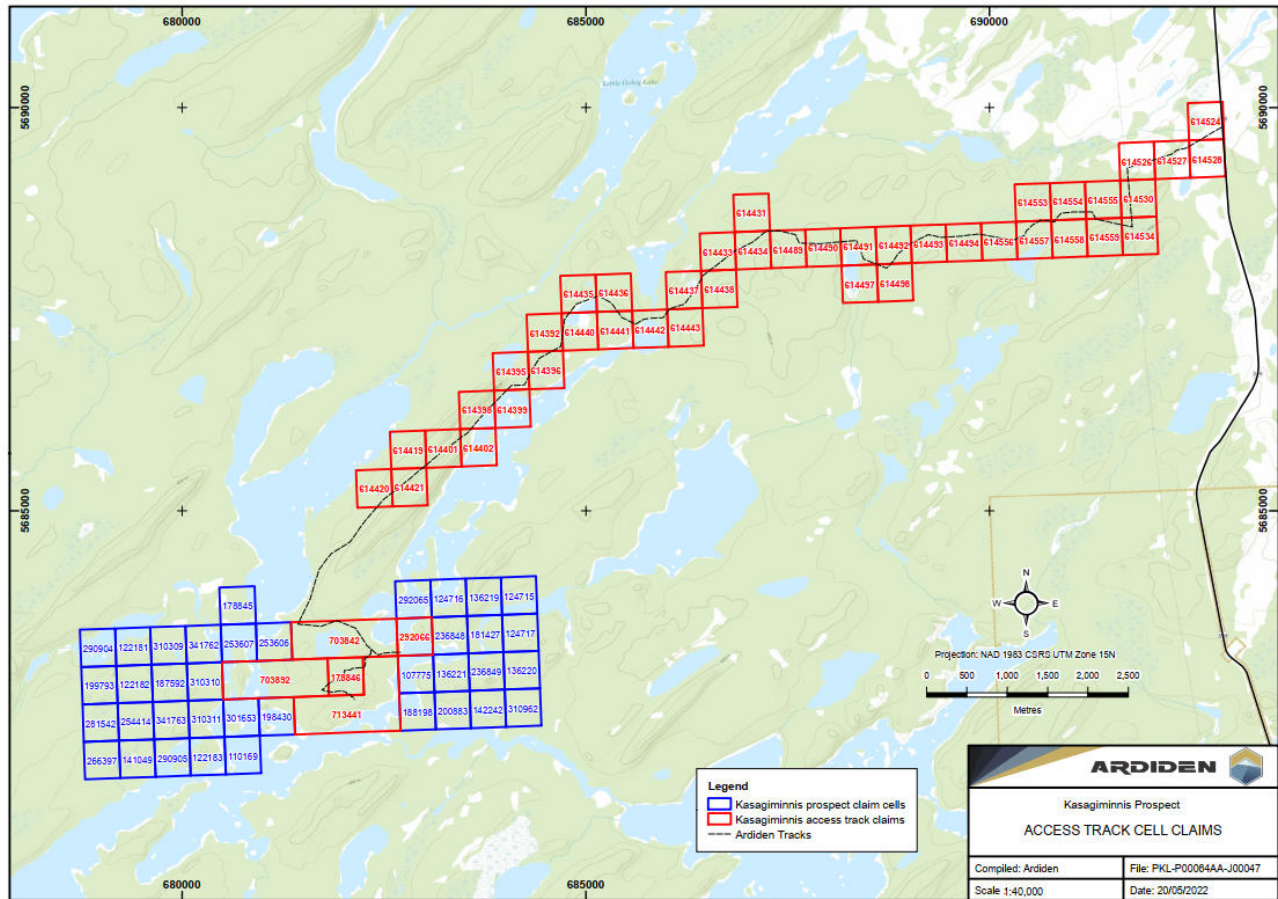


Figure 8 – Ardiden cell claims covering the access trail

Table 4 – Access Trail Claim Line Metres

COMPANY	PROJECT	TENURE_NUM	DISTANCE METRES
ARDIDEN	KASAGIMINNIS	713443	195.13
ARDIDEN	KASAGIMINNIS	713441	85.87
ARDIDEN	KASAGIMINNIS	178846	539.84
ARDIDEN	KASAGIMINNIS	178846	294.17
ARDIDEN	KASAGIMINNIS	713441	160.58
ARDIDEN	KASAGIMINNIS	703842	385.08
ARDIDEN	KASAGIMINNIS	703842	526.56
ARDIDEN	KASAGIMINNIS	292066	36.49
ARDIDEN	KASAGIMINNIS	703842	662.84
ARDIDEN	KASAGIMINNIS NORTH	614392	273.45
ARDIDEN	KASAGIMINNIS NORTH	614395	359.19
ARDIDEN	KASAGIMINNIS NORTH	614396	445.95
ARDIDEN	KASAGIMINNIS NORTH	614398	435.69
ARDIDEN	KASAGIMINNIS NORTH	614399	218.66
ARDIDEN	KASAGIMINNIS NORTH	614401	539.70
ARDIDEN	KASAGIMINNIS NORTH	614402	172.59
ARDIDEN	KASAGIMINNIS NORTH	614419	61.09
ARDIDEN	KASAGIMINNIS NORTH	614420	258.00
ARDIDEN	KASAGIMINNIS NORTH	614421	486.50

COMPANY	PROJECT	TENURE_NUM	DISTANCE METRES
ARDIDEN	KASAGIMINNIS NORTH	614431	33.23
ARDIDEN	KASAGIMINNIS NORTH	614433	404.21
ARDIDEN	KASAGIMINNIS NORTH	614434	468.80
ARDIDEN	KASAGIMINNIS NORTH	614435	404.34
ARDIDEN	KASAGIMINNIS NORTH	614436	336.74
ARDIDEN	KASAGIMINNIS NORTH	614437	581.93
ARDIDEN	KASAGIMINNIS NORTH	614438	147.30
ARDIDEN	KASAGIMINNIS NORTH	614440	285.46
ARDIDEN	KASAGIMINNIS NORTH	614441	243.29
ARDIDEN	KASAGIMINNIS NORTH	614442	488.73
ARDIDEN	KASAGIMINNIS NORTH	614443	40.90
ARDIDEN	KASAGIMINNIS NORTH	614489	515.01
ARDIDEN	KASAGIMINNIS NORTH	614490	436.65
ARDIDEN	KASAGIMINNIS NORTH	614491	617.72
ARDIDEN	KASAGIMINNIS NORTH	614492	368.89
ARDIDEN	KASAGIMINNIS NORTH	614493	462.64
ARDIDEN	KASAGIMINNIS NORTH	614494	437.19
ARDIDEN	KASAGIMINNIS NORTH	614498	200.33
ARDIDEN	KASAGIMINNIS NORTH	614524	317.21
ARDIDEN	KASAGIMINNIS NORTH	614526	505.80
ARDIDEN	KASAGIMINNIS NORTH	614527	466.24
ARDIDEN	KASAGIMINNIS NORTH	614528	151.62
ARDIDEN	KASAGIMINNIS NORTH	614530	464.13
ARDIDEN	KASAGIMINNIS NORTH	614534	251.32
ARDIDEN	KASAGIMINNIS NORTH	614553	85.18
ARDIDEN	KASAGIMINNIS NORTH	614554	422.88
ARDIDEN	KASAGIMINNIS NORTH	614555	170.12
ARDIDEN	KASAGIMINNIS NORTH	614556	448.20
ARDIDEN	KASAGIMINNIS NORTH	614557	435.57
ARDIDEN	KASAGIMINNIS NORTH	614558	66.31
ARDIDEN	KASAGIMINNIS NORTH	614559	333.76
<b>TOTAL</b>			<b>16729.08</b>

### Geochemical Analysis Program

Ardiden conducted a series of geochemical studies from 3 October to 6 October across 3 claims at Kasagiminnis (178846, 703842 and 713441). Three analysis profiles were utilised for this program with 32 soil samples, 22 soil samples under MMI (Mobile Metal Ion) and 40 tree bark samples. Samples were collected by Joseph Suk and Daniel Grabiec from Ardiden Limited and Ramin Ghaderpanah (Pleson Geoscience), all samples were dispatched to SGS laboratory in Burnaby British Columbia.

The collection of a representative sample of the soil microbial community should reflect changes in soil chemistry that are induced by subsurface zones of mineralisation. The technique is particularly useful in northern environments for the direct delineation of mineralisation buried under glacial till. ICP-MS was conducted on the soil samples with 49 elements analysed as part of the multi element suite.

The MMI technology is an innovative geochemical process that uses a very different approach to the analysis of metals in soils, using extremely weak solutions of organic and inorganic compounds rather than the conventional aggressive acid digest solutions commonly used in geochemistry. Conventional techniques digests soil substrates releasing metals that are chemically bound either to each other or within the mineral grains. In contrast to this, MMI extractants, containing strong ligands, are used to detach and hold in solution metal ions which are loosely bound to the soil particles by weak atomic forces. The metal ions held in solution are therefore the chemically active or “mobile” component. These mobile forms occur in very low concentrations that are readily measurable by modern ICP-MS analytical instrumentation with very low detection limits and high precision for the 51 elements analysed as part of the multi element suite. Samples are taken 10cm below the organic layer.

Recent developments in analytical technology have added impetus to the use of biogeochemical surveys in exploration. Ardiden requested a suite of 63 elements many at very low detection limits, high sensitivity ICP-MS technology has provided vast amounts of data that can be used to relate plant signatures to underlying geology. In the boreal forest in Northern Ontario, tree bark samples from black spruce can be used to detect gold and alteration minerals.

A total of 105 samples were analysed across the 4 claims which included 94 samples, 5 standards, 5 duplicates samples and 3 blank standards (Table 5). The average weight for MMI samples was 220gram, average weight for Soil samples was 241gram and average weight for bark samples was 35gram.

**Table 5 – Number of Samples per Cell Claim**

CELL CLAIM NUMBER	713441	178846	703842	713441	TOTAL
MMI	2	5	7	8	22
SOIL	4	10	9	9	32
BARK	8	10	11	11	40
<b>Total</b>	<b>14</b>	<b>25</b>	<b>27</b>	<b>28</b>	<b>94</b>

The results from the analysis have highlighted the geochemical signature across each analysis suite, Ardiden aimed to determine pathfinder elements across the sample area along with identifying the presence of anomalous Au mineralisation within each sample analysis regime (Figure 9-11). A series of maps displaying pathfinder elements are displayed in the appendices, pathfinder elements included Ag, As, Bi, Sb, Te and W.

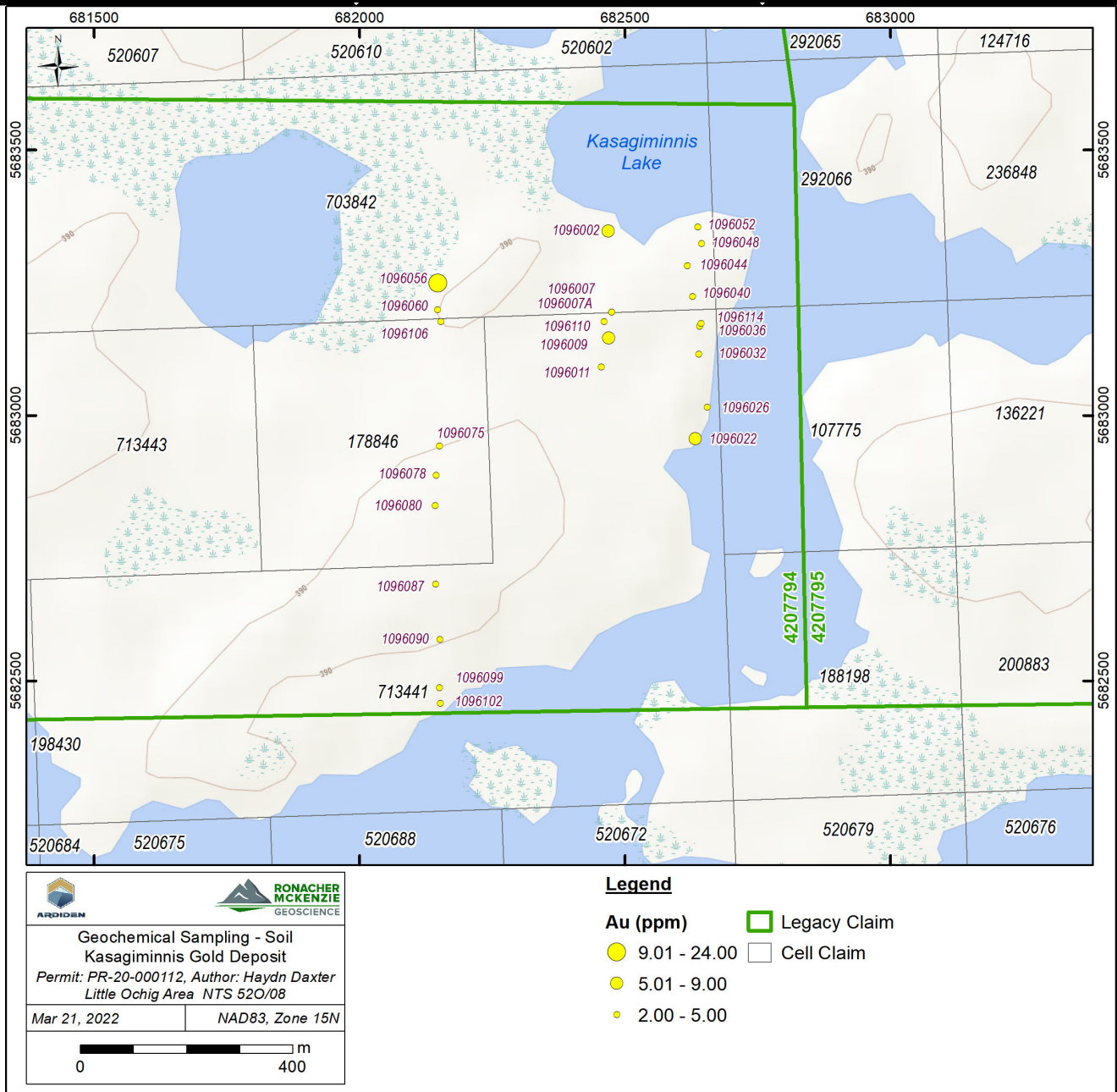


Figure 9 – Soil Samples map with Au Mineralisation

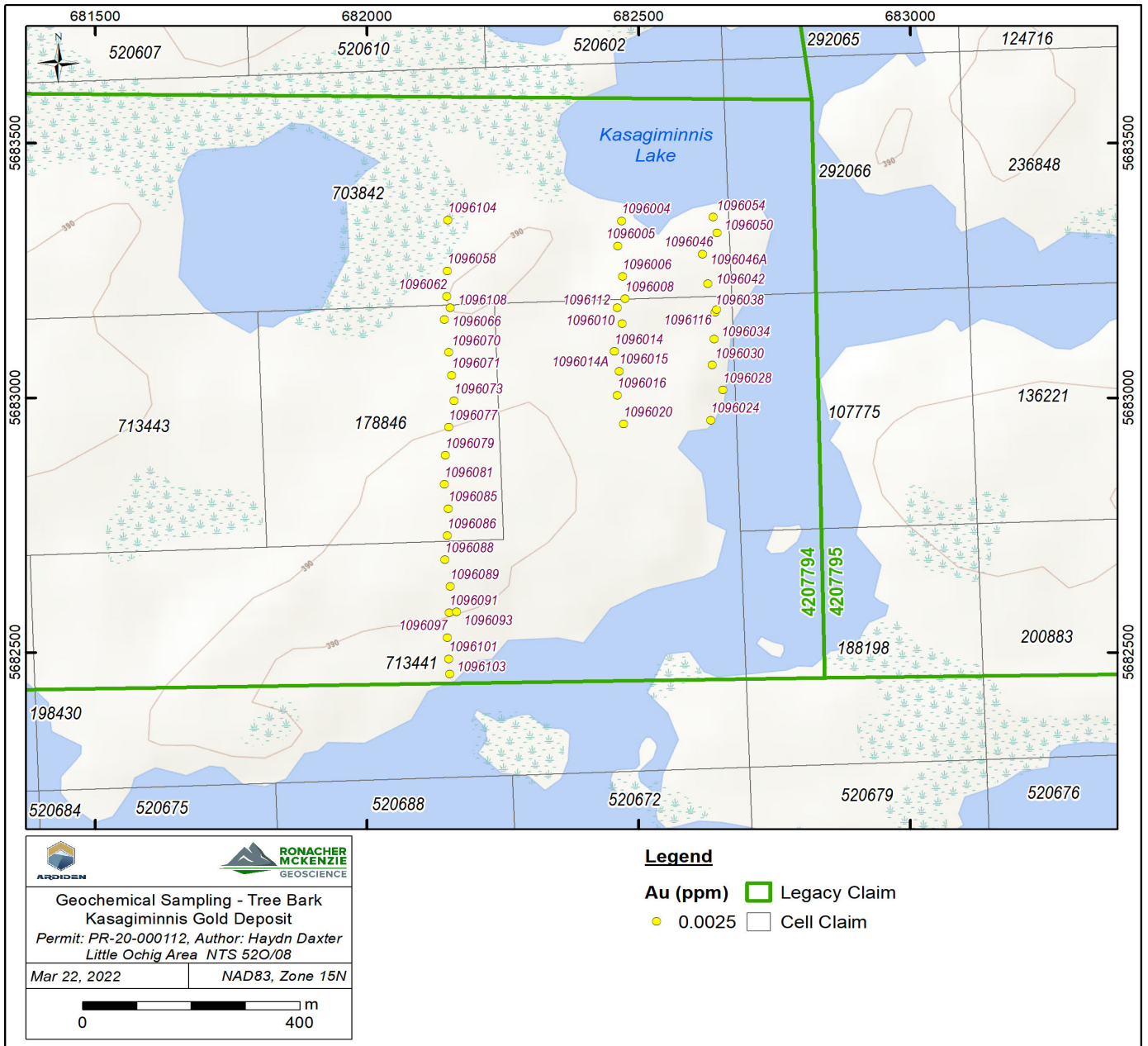


Figure 10 – Tree Bark Samples map with Au Mineralisation

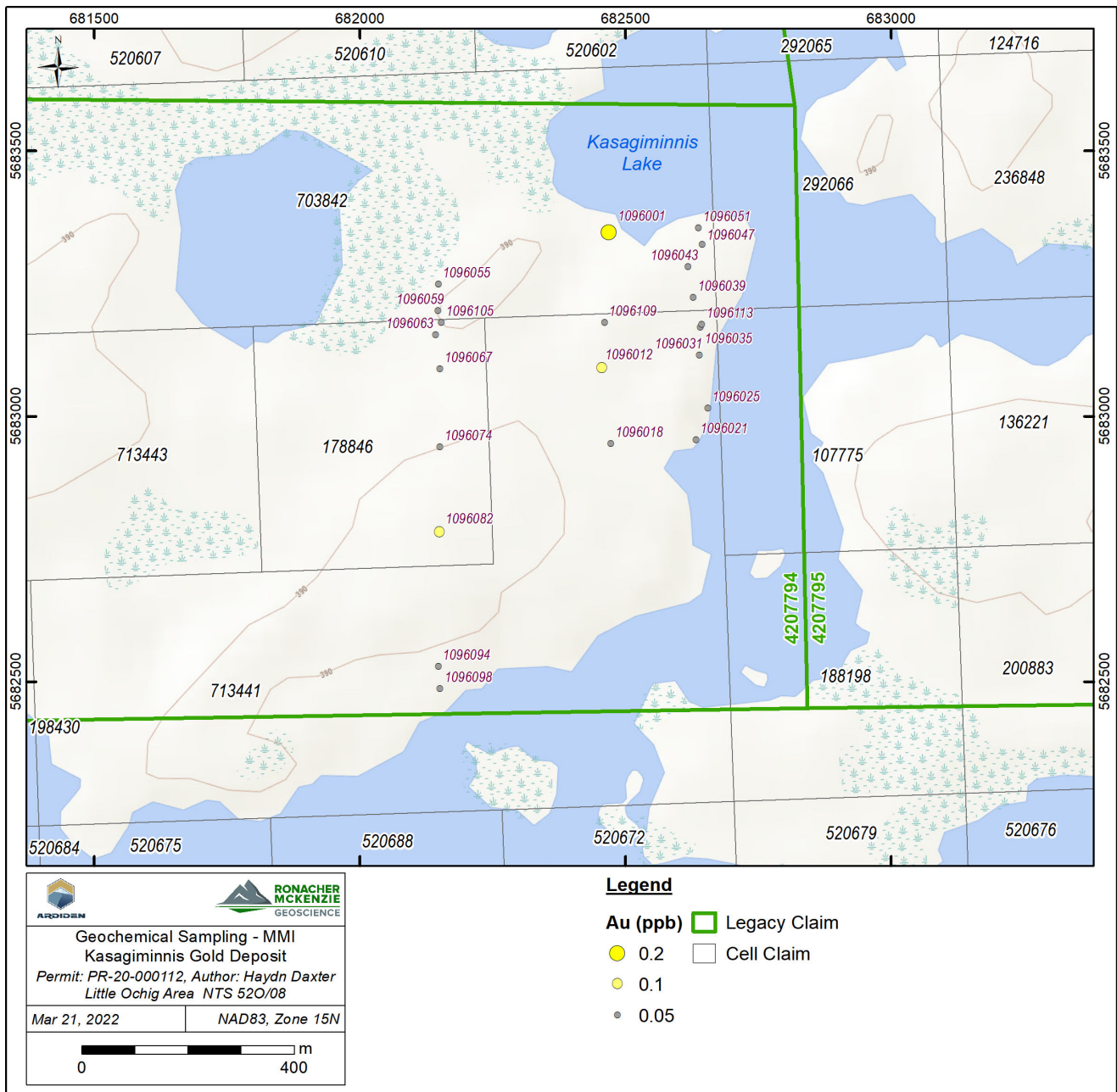


Figure 11 – MMI Samples map with Au Mineralisation

## Sampling and Analytical Methods

### Diamond Drill Core Sampling Method and QA/QC

All core was transported from the drill site to a storage facility in Pickle Lake prior to transportation to Thunder Bay. Cores were split by diamond saw in preparation for logging and sampling on site. A total of 1686 samples were taken across 5 claim cells representing a total of 1469.65 metres of sampling, which included 1366 core samples (Table 6), 109 standards, 146 duplicates and 65 blank standards.

**Table 6 – Samples per Claim Cell**

CELL CLAIM NUMBER	KAS-20-01	KAS-20-02	KAS-20-03	KAS-20-04	KAS-20-05	KAS-20-06	TOTAL
703842	33	83	39	73	55	48	331
713441			26				26
178846						26	26
292066							0
107775							0
<b>Total</b>	<b>33</b>	<b>83</b>	<b>65</b>	<b>73</b>	<b>55</b>	<b>74</b>	<b>383</b>
CELL CLAIM NUMBER	KAS-20-07	KAS-20-08	KAS-20-09	KAS-20-10	KAS-20-12	KAS-20-14	TOTAL
703842	149		107	43	95		394
713441							0
178846		126					126
292066						1	1
107775						33	33
<b>Total</b>	<b>149</b>	<b>126</b>	<b>107</b>	<b>43</b>	<b>95</b>	<b>34</b>	<b>554</b>
CELL CLAIM NUMBER	KAS-20-15	KAS-21-01	KAS-21-02	KAS-21-04	KAS-21-05	KAS-21-06	TOTAL
703842					60	76	136
713441					59	33	92
178846							0
292066	31	11	74	5			121
107775		59	21				80
<b>Total</b>	<b>31</b>	<b>70</b>	<b>95</b>	<b>5</b>	<b>119</b>	<b>109</b>	<b>429</b>

All samples were cut using a core saw. The core was cut along the top of the foliation of the rocks. The backside of the core remains in the box while the front side of the core was put into individual sample bags with the corresponding sample ticket. Starts and ends of sample intervals were cut perpendicular to core axis with the saw when not on a natural break. All sample intervals start with a sample ticket inserted and stapled at the beginning of the interval. Sample lengths range from 0.21 to 2.15 metres in length. The average sample length for the program was 1.076 metres. In general, one metre samples were taken in the main zone. Sample variance may occur in minor amounts when attempting to keep similarly mineralized zone rock together or not sampling over lithological boundaries. The largest sample intervals were kept to 1.5-metre intervals and were taken over what appeared to be waste rock. All individual sample bags were labelled and put into rice bags where they were transported to ActLabs in Thunder Bay via Ardiden personnel or shipped on pallets via Manitoulin Transport.

There were 109 standards analyses within the sample stream for drillholes 20-01 to 20-15 and 21-01 to 21-06. Four standards were used, with two high, a medium, and low Au-bearing certified reference material from OREAS (Ore Research and Exploration P/L), OREAS E1336, OREAS 238, OREAS 229b and OREAS 257b.

There were 10 analyses of the high-level standards with all assays suitably distributed within 2 standard deviations of the certified value. Analysis of 31 mid-level standards all returned assay results within 2 standard deviations of the certified values. The corresponding low-level standards recorded all 30 analyses within 2 standard deviations of the certified values. Overall, no standards returned either low-level or high-level non-compliance failures exceeding 2 standard deviations.

Blank sample analysis totalled 65 assays with 3% of the total blank analyses returning anomalous Au values above detection, with values at 5 ppb Au, thus corresponding to 3 times the detection limit.

A series of 146 duplicated assays were conducted with a satisfactory result represented across the majority of Au values, certain samples reported either an increase or decrease in Au that is attributed to the distribution of free gold within the drill core.

The overall distribution of data displayed a strong correlation between original and duplicate assays with scatter plot distribution displaying a linear trendline with the R<sup>2</sup> value of 0.999 (Figure 12).

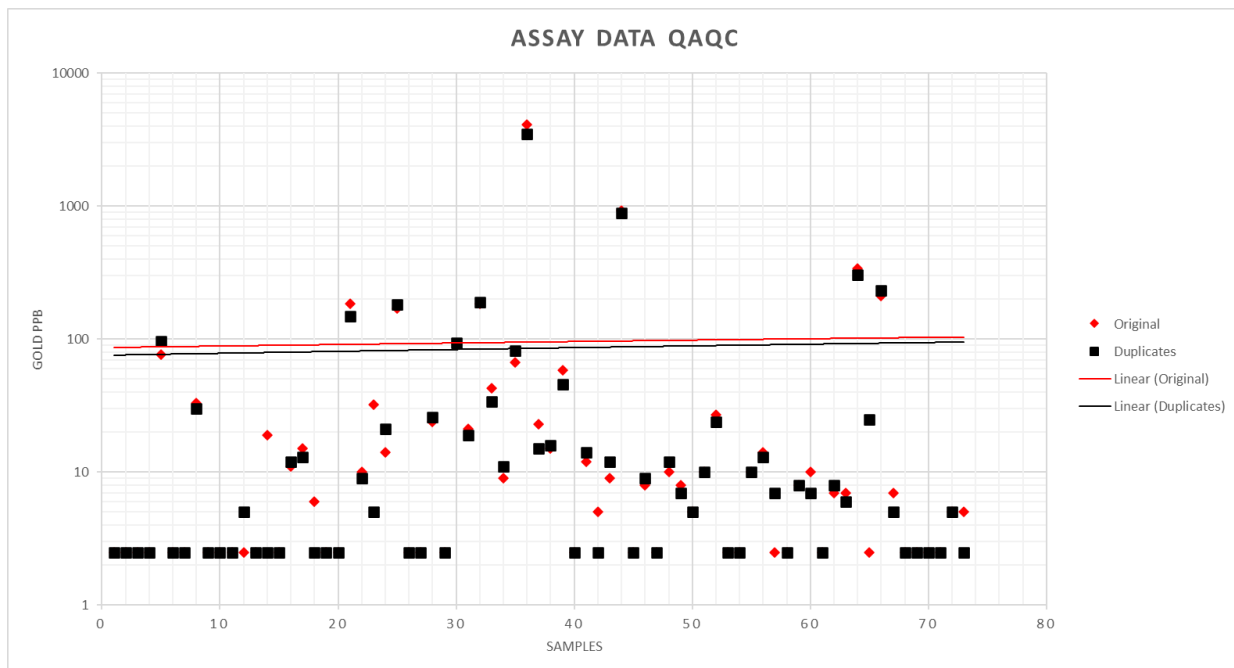


Figure 12 - Assay QAQC distribution for Standard and Duplicate Analysis of Au (ppb)

### Sample Preparation and Analytical Methods

The samples were first analysed using standard fire assay procedures with an AA/ICP finish. Assay results greater than 2.50 gram per tonne were re-run using a gravimetric finish. In addition to the standard quality control of the laboratory, a series of blanks and standards are inserted in every shipment for quality control purposes. A total of 57 standards were inserted in series to the rock samples. One of four alternating standards were added to the series every 20 samples (0.510g/t Au, 3.03g/t Au, 11.95g/t, 14.22g/t). A total of 53 blanks of ¼" crushed silica was also added in series every 20 samples. A total of 25 quarter duplicates were also added every 40 samples. The quarter duplicate sample was taken by cutting the half core in half again lengthways and by inserting them into their own separate sample bag in sequence after one another.



Specific gravity was measured on site by company geologists for all samples sent to the lab and data was recorded into the company's data base.

Sampling and analysis during the Summer-Autumn 2020 Exploration Program was performed on diamond drill core from all holes completed. Three holes were abandoned due to poor ground conditions with no sampling conducted on KAS-20-11, KAS-20-13, and KAS-21-03.

## Results

Twenty-one diamond drill holes (KAS-20-01 to KAS-20-15 and KAS-21-01 to KAS21-06) totalling 3,971.07 metres were drilled on mining claims 107775, 178846, 292066, 703842 and 713441. The holes were drilled in a north-south direction as the target horizon generally strikes east west and dips steeply to the north.

Due to the cost associated with a helicopter supported drill program, multiple drill holes were completed from the same drill pad during the KAS-20 series drill holes. Holes were planned with a varying downhole dip from surface to test the zone of mineralisation with depth continuation. All holes KAS-20-01 to KAS-20-15 and KAS-21-01 to Kas-21-06 were drilled with the same orientation (180°). Overburden conditions, especially around Kasagiminnis Lake were difficult, even more so on the lake with ice drilling. Overburden depths ranged from 2.32 to 25.75 metres on the land and 16.0 to 31.0 metres on the frozen lake and often contained very large granitic boulders mixed with sand, as a result KAS-20-11/13 and KAS-21-03 were abandoned from a shallow depth. The final hole KAS-21-06 was completed at the target depth and the decision was taken to terminate the program due to road access conditions becoming challenging from increased temperatures in late March 2021.

Drilling was completed over a small area in respect to the property size and the geology observed in each hole was similar. The holes were collared into 10-30 metres of intermediate volcanics (historically called a dacite). The presence of feldspar phenocrysts could indicate a volcanic tuff which gradually decreases in feldspar crystals down hole – indicating a possible younging direction down hole. The lower contact of this unit is very gradational and graduates into a mafic volcanic. Within this mafic volcanic, there is a consistent 0.5 to 1 metre wide, coarser grained mafic intrusive closer to the upper contact that is distinctively different than all other units and can be used as a stratigraphic marker. The lower contact of the Mafic Volcanic is generally silicified/bleached and occasionally mineralized for an area of 0.5 to 5 metres at the contact. Frequent zones of quartz flooding were intersected and rare shearing with the disseminated 1-2% pyrite/pyrrhotite. Structural measurements were intrinsic within this program to commence building a structural model of the mineralisation zones at Kasagiminnis. Following the mafic volcanic was a 10-20 metre wide, coarser grained mafic intrusive. Underlying the mafic intrusive is the target horizon, a strongly magnetic unit is the target horizon iron formation. This iron formation unit is not a typical banded magnetite chert unit and more closely resembles a lean iron formation with generally less than 5% visible magnetite. The iron formation begins with upwards of 15% red subhedral garnets. This unit notably had lesser amount of mineralization than iron formations without garnet. There was a fairly sharp drop off of garnets in the iron formation (15% to 0% garnets in less than 1-2 metre length).

The non-garnet iron formation ranged from 10-30m in length and was characterized by <10% magnetite crystals (<3mm subhedral; dark grey-black). This 10-30m area contains one or more areas that are 0.1 to 6.5 metres in length of mineralization. Mineralization includes quartz flooding with few significant (>1cm wide) quartz veins that contain sulphides. The quartz flooding typically introduces 1-5% finely disseminated pyrrhotite and pyrite and locally up to 10% semi-massive bands. A direct correlation is evident increased silicification against sulphides within the drill core.

Following the iron formation is another mafic intrusive, lithologically similar to the one directly above the garnetiferous iron formation however it is substantially more magnetic. The first 10-20m of this unit can have upwards of ten 0.1 to 1m wide iron formation units from the upper contact of this unit and gradually decreasing in width and occurrences down hole. The amount of magnetite in this unit is strongest near the upper contact and gradually lessens down hole. Localised zonation of coarse-grained chlorite+biotite+magnetite+quartz ‘units’ were present throughout this mafic intrusive.

All drill holes during this program generally followed these stratigraphical units in this order and were subsequently shut down shortly after the end of the iron formation unit and into the mafic intrusive at the end of hole.

**Table 7 - Current Program Significant Results**

Hole ID	From (m)	To (m)	Length (m)	Au g/t
KAS-20-01	164.0	167.0	3.0	3.13
KAS-20-01	164.0	165.0	1.0	1.38
KAS-20-01	166.0	167.0	1.0	7.57
KAS-20-02	190.0	196.0	6.0	4.23
KAS-20-02	193.0	196.0	3.0	7.74
KAS-20-02	195.0	196.0	1.0	12.80
KAS-20-03	159.5	166.0	6.5	4.28
KAS-20-03	160.4	162.1	1.7	5.89
KAS-20-03	163.0	166.0	3.0	5.62
KAS-20-04	203.0	205.0	2.0	1.92
KAS-20-04	216.0	217.0	1.0	1.63
KAS-20-04	223.0	224.0	1.0	1.41
KAS-20-05	210.7	212.0	1.3	3.72
KAS-20-06	56.0	57.0	1.0	1.27
KAS-20-07	151.0	153.0	2.0	1.89
KAS-20-09	62.0	63.0	1.0	1.63
KAS-20-14	97.0	100.0	3.0	2.84
KAS-20-14	97.0	98.0	1.0	4.30
KAS-21-01	123.0	124.0	1.0	1.84
KAS-21-02	118.0	119.0	1.0	3.49
KAS-21-02	121.0	123.0	2.0	1.58
KAS-21-02	129.5	131.0	1.5	1.02
KAS-21-05	103.0	104.0	1.0	3.25
KAS-21-04	112.0	113.0	1.0	3.95

Hole ID	From (m)	To (m)	Length (m)	Au g/t
KAS-21-06	147.0	153.2	6.2	1.68
KAS-21-06	148.0	149.0	1.0	5.25
KAS-21-06	155.0	157.0	2.0	2.50
KAS-21-06	156.0	157.0	1.0	4.55
KAS-21-06	161.0	162.9	1.9	1.60
KAS-21-06	161.8	162.9	1.1	2.04

## Interpretations and Conclusions

The 2020-2021 drill program on the Kasagiminnis Lake Project met its original objectives and successfully intersected gold mineralization in every drill hole. Drilling clearly demonstrated the relationship between an iron rich horizon, shear zones and mineralization while it was also noted the horizon was not definitively a classic banded iron formation of chert and magnetite but a lean iron formation (metasediment) with identifiable horizons of more or less magnetite within the unit. The previous mineralisation model at Kasagiminnis postulated a series of parallel shears steeply dipping circa 70° to the north in conjunction with the iron bearing metasediment. Modelling of the structural data from the 2020-2021 drilling has identified a secondary series of flat lying shear zones that plunge between 20-30° to the west.

Additional work is warranted along the eastern extension of the Kasagiminnis Gold Zone underneath Kasagiminnis Lake where historical drilling returned values including 9.33 gpt over 1.1 metres. In addition, some deeper drilling should be conducted on the western strike extension of the gold bearing zone including below KAS-18-10. To the south and the west of the current resource there remains great potential to conduct targeted drilling thus extending the current resource. Finally, a series of drill holes to better understand the flat lying shear zones would continue to grow the resources and develop a robust model for the Kasagiminnis Project.

## Aboriginal Consultation

Within this report documents Ardiden Limited's (ASX: ADV) activities associated with conducting consultation with Aboriginal communities in relation to exploration activities on the South Limb Prospect as part of the Pickle Lake Gold Project in North-western Ontario (Figure 2).

The complete claim details for the Kasagiminnis Prospect are listed within 'Property Location and Description' with the full list of claims (Table 1).

The Ministry of Northern Development and Mines (MNDM) have instructed Ardiden to contact and develop consultation protocols with the communities of Mishkeegogamang. During the period leading up to the exploration permit being granted, signing of an MOU (Memorandum of Understanding) between the Mishkeegogamang First Nation Community and Ardiden Limited, during drilling and after drilling the company attended several meetings at Mishkeegogamang First Nation Community Band Offices. Details and summary for each meeting is included in Appendix 5. All meetings were focused on direct consultation with the members of the communities that include the Chief and Council, Elders and other residents. The meetings ranged from formal and informal presentations held at the Mishkeegogamang First Nation Community Band Offices.

## Recommendations

Based on the results of the current exploration program, a further three-phase exploration program is warranted on the Kasagiminnis Lake Project.

### Exploration Phase I

Further exploration on the Kasagiminnis Lake Project should include a continuation of the 2020-2021 Drill Program to test the work performed on structural data. This along with evaluating the series of shear zones and depth extents of mineralization should comprise this as a high priority. Elsewhere in the Pickle Lake Greenstone belt, iron formation related gold has been mined successfully to depths of down to ~1,500 metres at the Central Pickle mine.

### Exploration Phase II

Cognisant on the results of Phase I, a further diamond drilling program is recommended to follow up on extending the resource to the east and west. Further work on structural interpretations with drilling to allow a higher level of confidence to develop a larger, potentially economic, deposit size at Kasagiminnis.

### Exploration Phase III

In conjunction with additional drilling in Phases I and II, a further low level close spaced geophysical survey is warranted to continue developing the structural controls of a complex deposit such as Kasagiminnis. The 2021 UAV magnetic survey was incomplete, and the western extent of the property would benefit from a survey of similar capacity.

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## Statement of Qualifications

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Telephone: +61 8 6184 5938

### Certificate of Author

I, Haydn Daxter, do hereby certify that:

I am a direct employee of Ardiden Limited and Exploration Manager in charge of producing this report.

I am a graduate of the University of New England, NSW, Australia B.Sc., Mineral Deposits (2019).

I am a member of the Australian Institute of Geoscientists (MAIG No. 7595).

I have worked as a geologist for a total of 2 years since obtaining my B.Sc. degree and had an exposure to Archean gold systems in Australia and Canada.

I am responsible for the preparation of this report titled "Summer 2020 – Winter 2021 Kasagiminnis Gold Project Diamond Drilling Report, Kasagiminnis Project, Pickle Lake Area, Ontario"

I have previously visited the Property and planned the drilling program.

I have had an involvement with the property that forms the subject of this report since the diamond drilling commenced in August 2020.

March 10, 2022

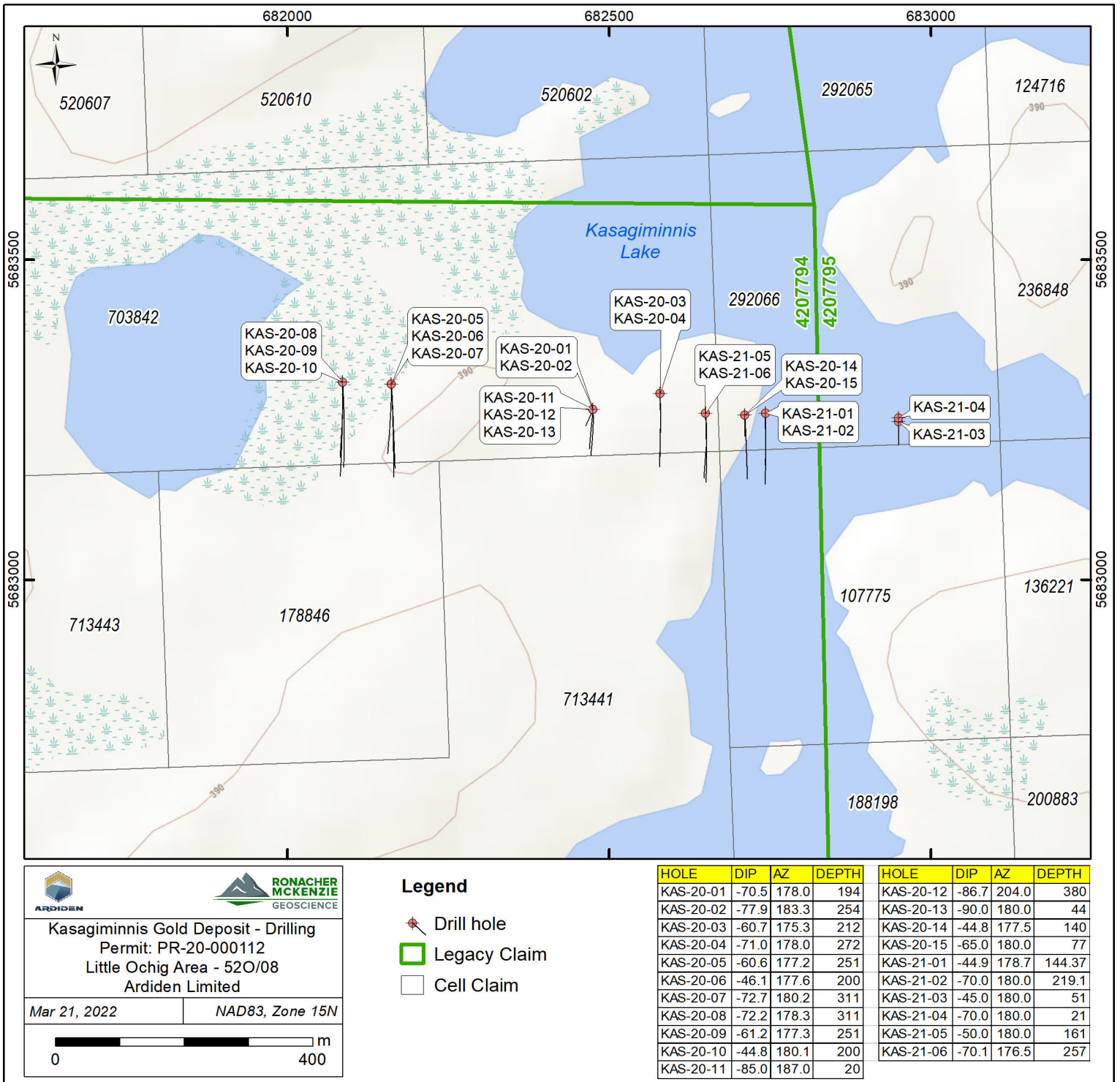
*"Haydn Daxter"*

Haydn Daxter BSc MAIG

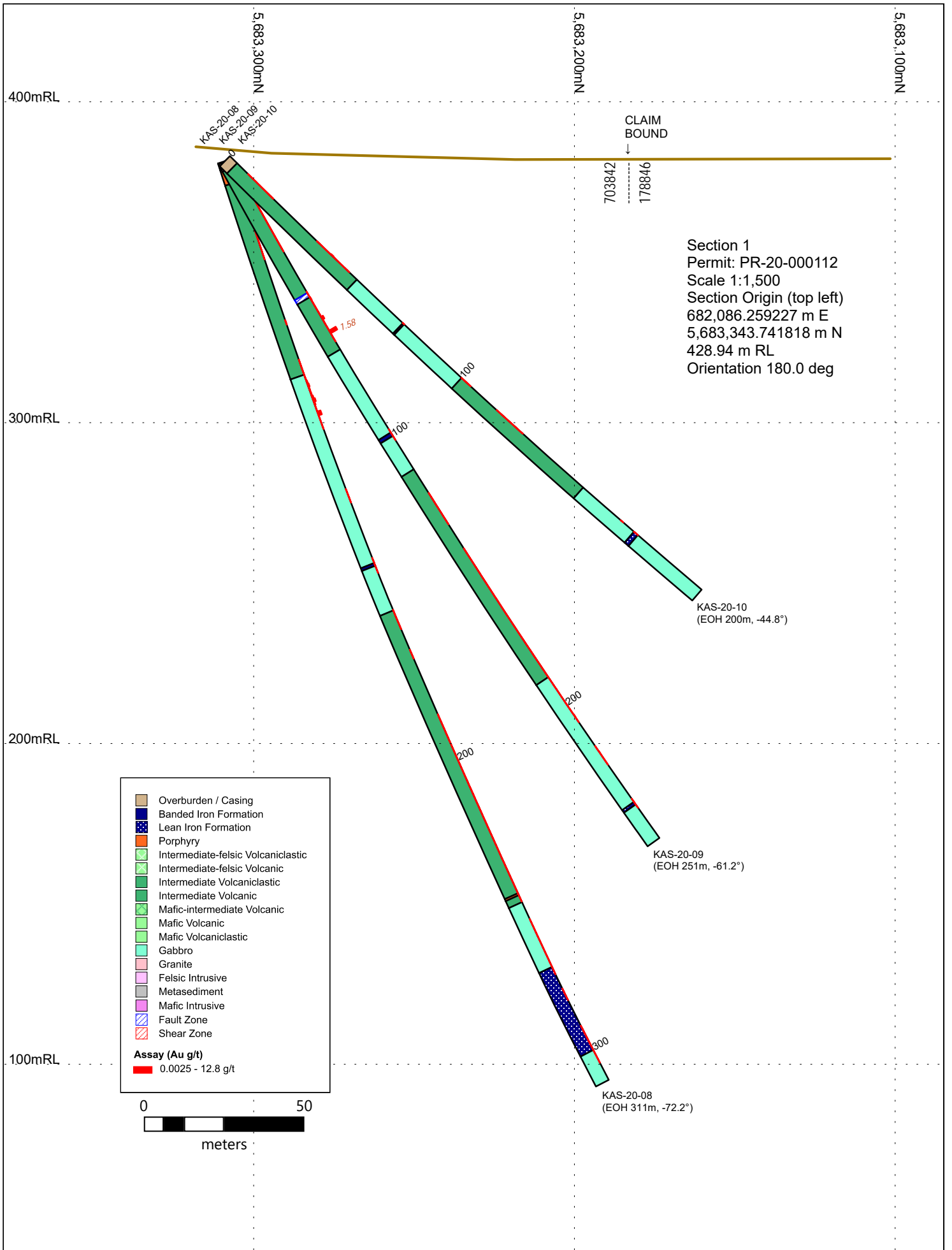
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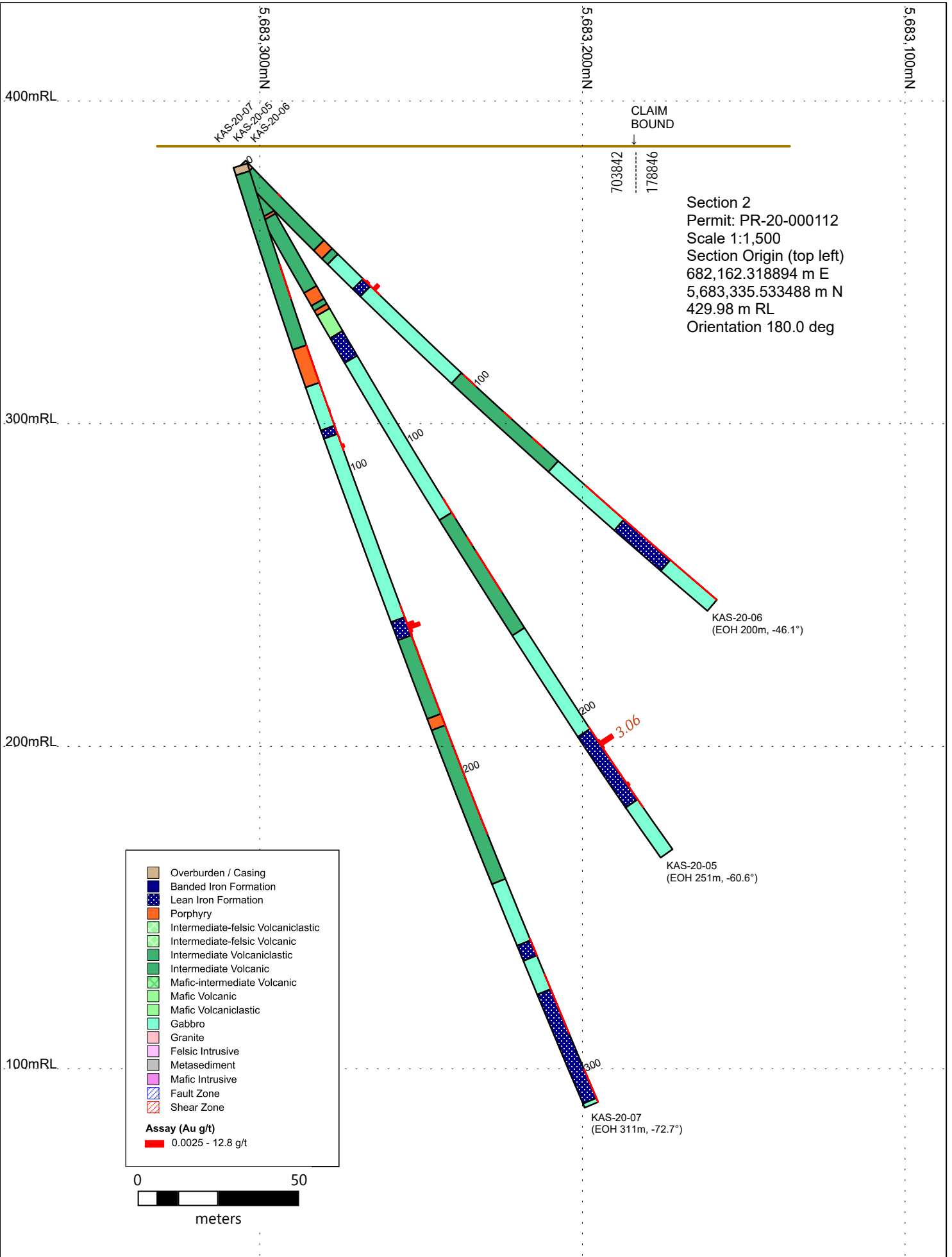
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# 1 Appendix I Diamond Drill Plan Map & Cross Sections

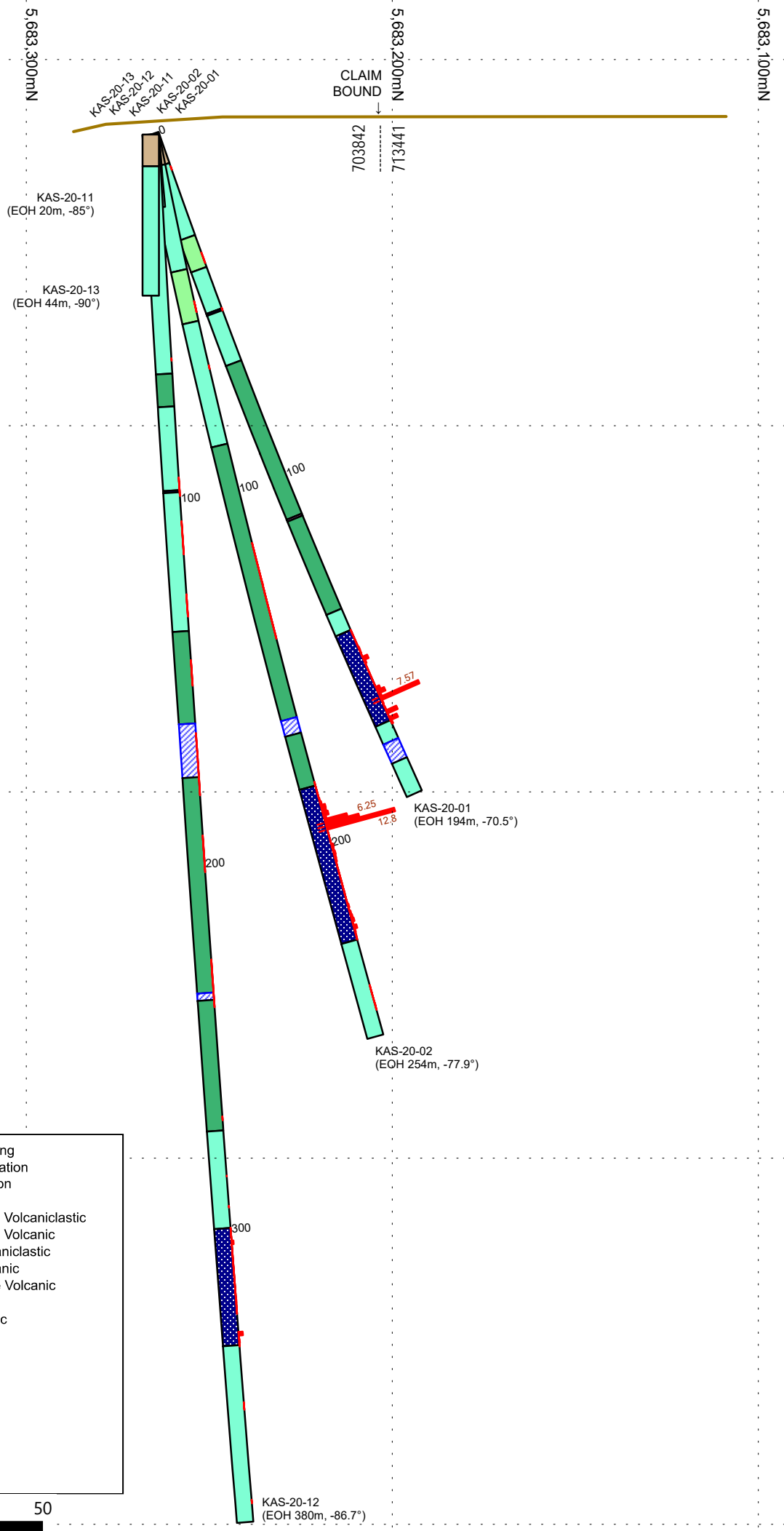




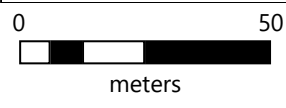


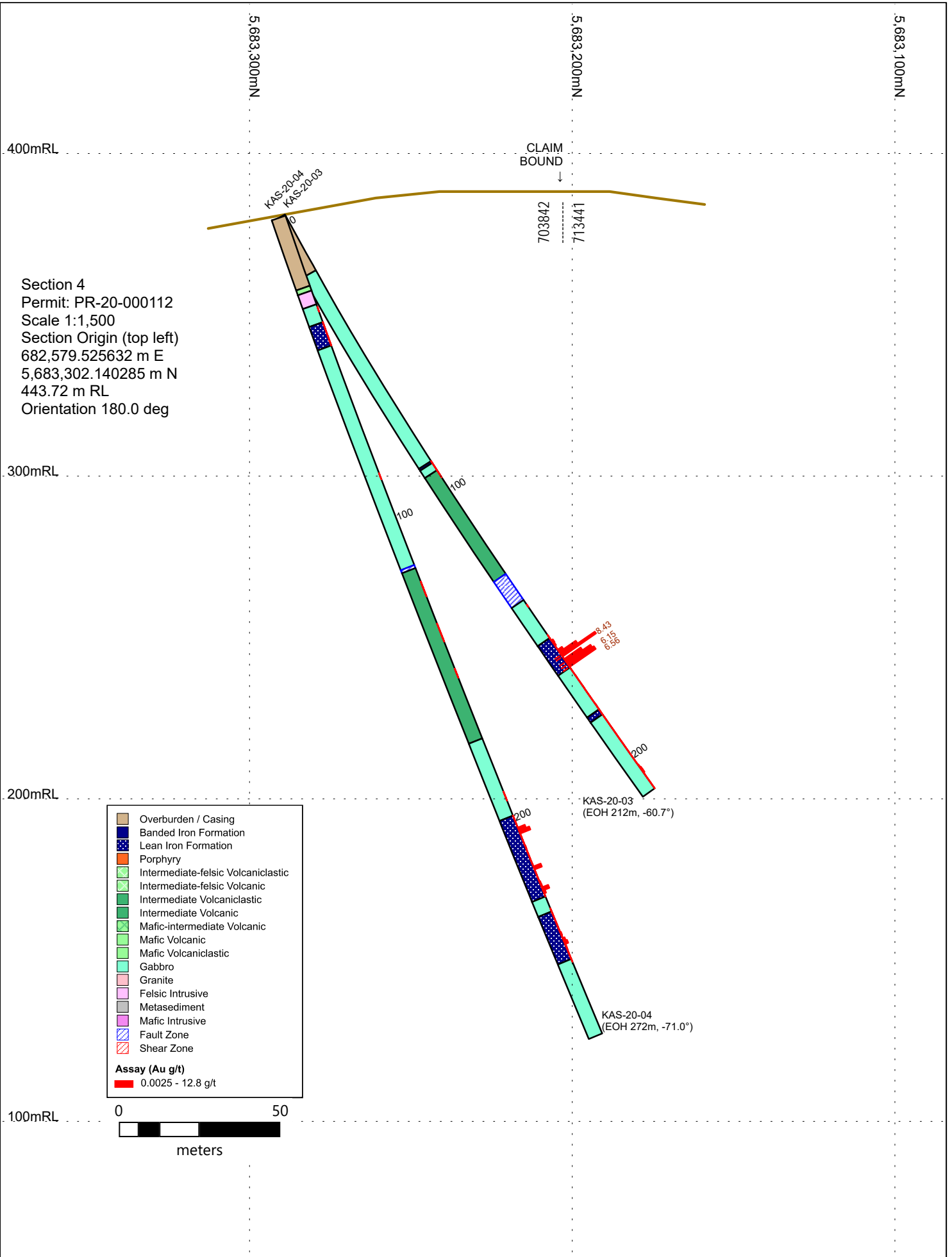


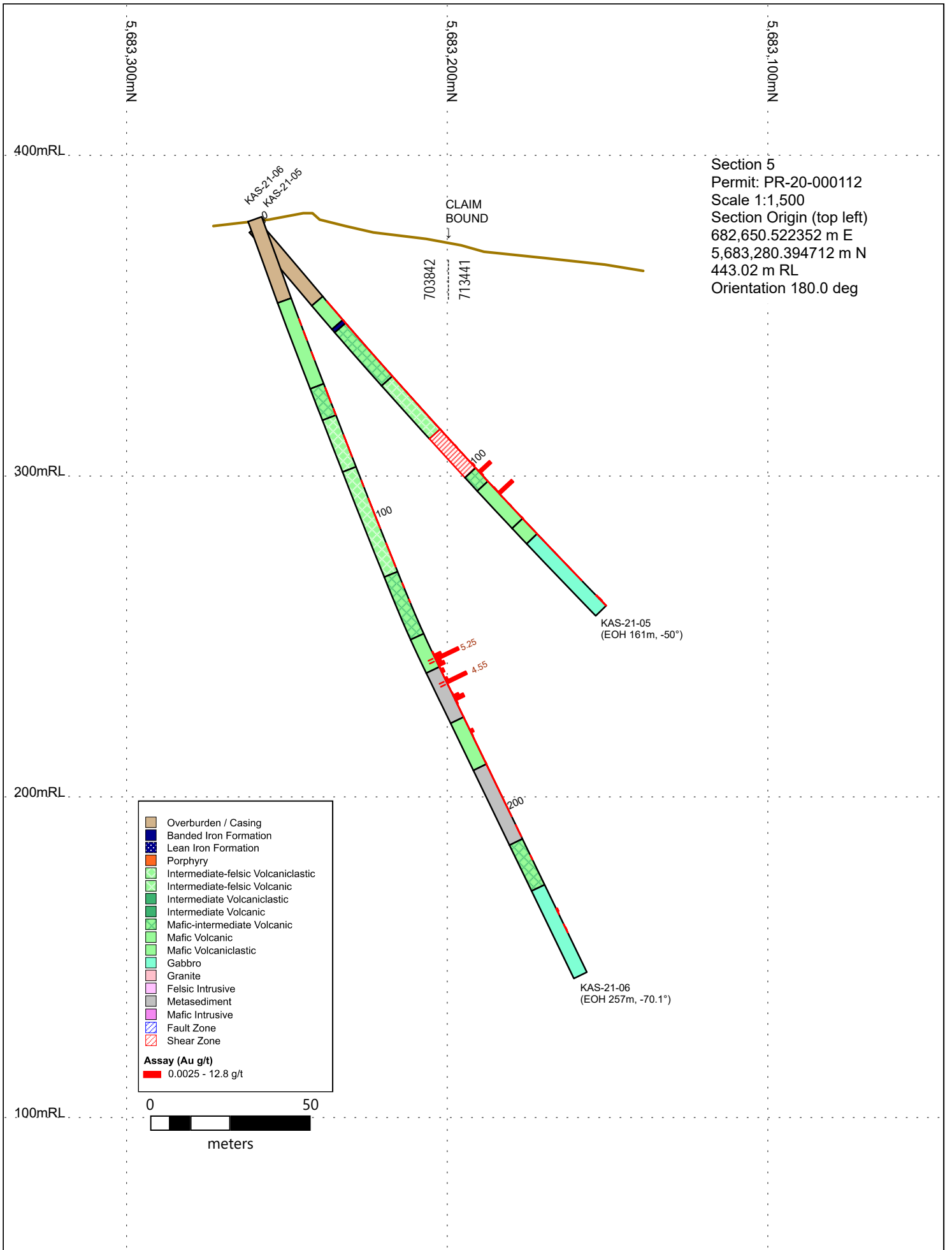
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 Orientation 180.0 deg



- |                       |                                    |
|-----------------------|------------------------------------|
|                       | Overburden / Casing                |
|                       | Banded Iron Formation              |
|                       | Lean Iron Formation                |
|                       | Porphyry                           |
|                       | Intermediate-felsic Volcaniclastic |
|                       | Intermediate-felsic Volcanic       |
|                       | Intermediate Volcaniclastic        |
|                       | Intermediate Volcanic              |
|                       | Mafic-intermediate Volcanic        |
|                       | Mafic Volcanic                     |
|                       | Mafic Volcaniclastic               |
|                       | Gabbro                             |
|                       | Granite                            |
|                       | Felsic Intrusive                   |
|                       | Metasediment                       |
|                       | Mafic Intrusive                    |
|                       | Fault Zone                         |
|                       | Shear Zone                         |
| <b>Assay (Au g/t)</b> |                                    |
|                       | 0.0025 - 12.8 g/t                  |





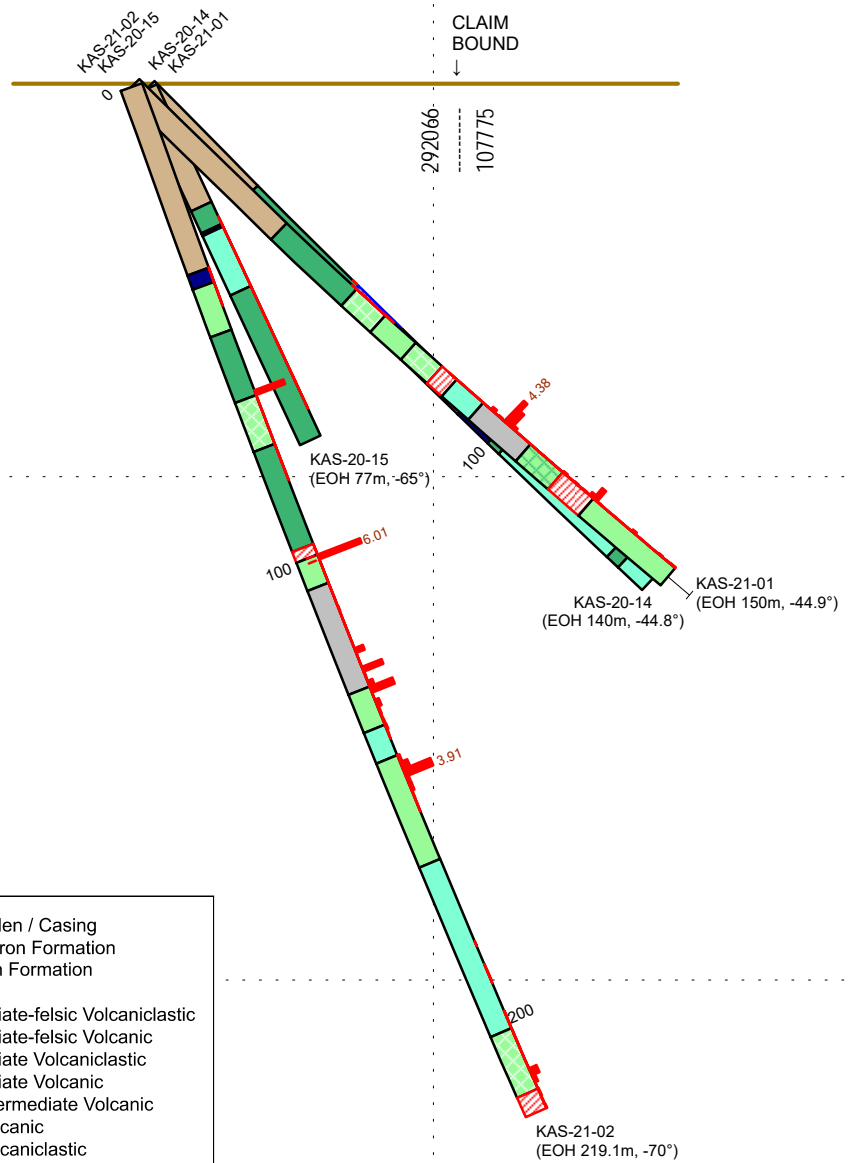


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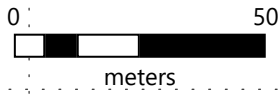
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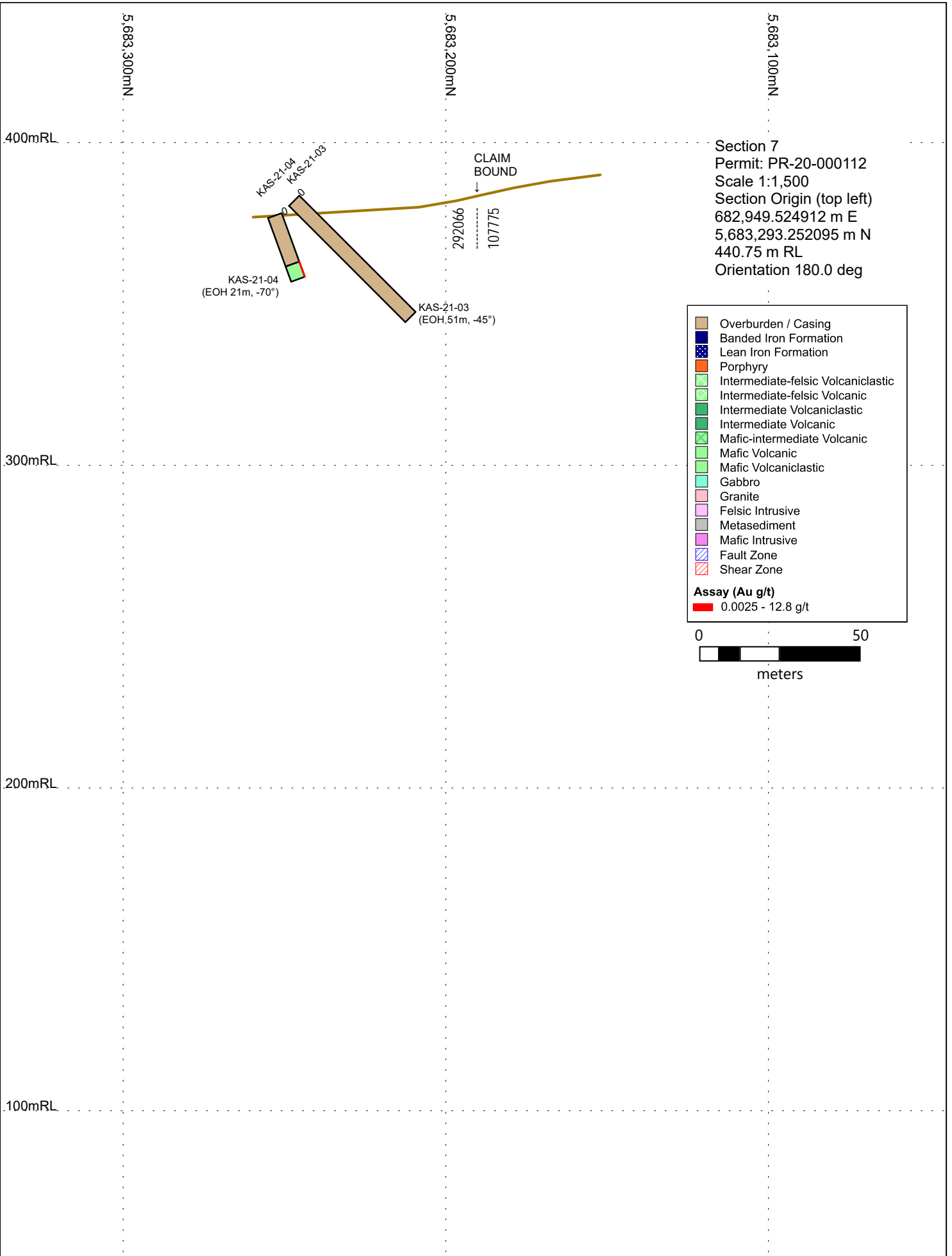
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  - Lean Iron Formation
  - Porphyry
  - Intermediate-felsic Volcaniclastic
  - Intermediate-felsic Volcanic
  - Intermediate Volcaniclastic
  - Intermediate Volcanic
  - Mafic-intermediate Volcanic
  - Mafic Volcanic
  - Mafic Volcaniclastic
  - Gabbro
  - Granite
  - Felsic Intrusive
  - Metasediment
  - Mafic Intrusive
  - Fault Zone
  - Shear Zone
- Assay (Au g/t)**
- 0.0025 - 12.8 g/t



300mRL

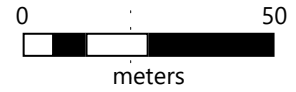
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 Orientation 180.0 deg

- Overburden / Casing
  - Banded Iron Formation
  - Lean Iron Formation
  - Porphyry
  - Intermediate-felsic Volcaniclastic
  - Intermediate-felsic Volcanic
  - Intermediate Volcaniclastic
  - Intermediate Volcanic
  - Mafic-intermediate Volcanic
  - Mafic Volcanic
  - Mafic Volcaniclastic
  - Gabbro
  - Granite
  - Felsic Intrusive
  - Metasediment
  - Mafic Intrusive
  - Fault Zone
  - Shear Zone
- Assay (Au g/t)**  
 0.0025 - 12.8 g/t



## **2 Appendix II Diamond Drill Hole Logs**





## DRILL LOG REPORT

Hole Size:		Drilling Contractor:		Start Date:		Azimuth:		Coordinates							
NQ		Major Drilling		8/30/2020		178		NAD83 / UTM zone 15N							
Claim #:		Casing Left in Hole:		End Date:		Dip:		Easting:							
703842		Yes		9/1/2020		-70.5		682,475							
Core Storage:		Casing Length (m):		Logger:		Act. Depth (m):		Northing:							
Murillo		8.75		Joe Suk		194		5,683,266							
		Casing Capped:		End Date of Logging:		Elev. (m):									
		Yes		9/2/2020		379.5									
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	9	Overburden													
9	29.91	Gabbro	Granoblastic		Foliation	14.3	32			1095071	10	11	1	0.0025	Gabbro with one 10 cm quartz vein with 1 mm pyrrhotite rims.
29.91	39.17	Mafic Volcanic	Flow		Veining	20.8	20	40		1095072	35	36	1	0.008	Mafic volcanic unit with 10 quartz
					Veining	30.3	23	340		1095073	36	37	1	0.008	Mafic volcanic unit with 10 quartz carbonate veins and biotite alteration
					Veining	37.26	20	340		1095074	37	38	1	0.0025	Mafic volcanic unit with 10 quartz carbonate veins and biotite alteration
39.17	51.2	Gabbro	Granoblastic		Veining	49	20	345							
51.2	51.78	Banded Iron Formation	Banded							1095075	51.2	51.78	0.58	0.006	Banded iron formation with 8% sulphides including 7% pyrrhotite and 1% pyrite.
					Foliation	51.2	20								
51.78	66.4	Gabbro	Granoblastic												
66.4	111.48	Intermediate Volcanic	Schistose		Contact	67	35	0	Gradual						
					Foliation	68.5	30								
					Foliation	69	28	340							
					Foliation	78	30								
					Foliation	79	30								
					Veining	86	35	350							
					Foliation	97	30								
					Foliation	105	30								
111.48	112.05	Mafic Intrusive	Porphyritic		Contact	111.5	30		Sharp						
112.05	139.65	Intermediate Volcanic	Schistose		Contact	112	30		Sharp						
					Foliation	114	35								
					Foliation	117	35								
139.65	146	Gabbro	Granoblastic		Veining	136.71	45	335							
					Veining	144.5	30	340							
146	173	Lean Iron Formation	Schistose		Veining	152.05	50	20		1095076	146	147	1	0.007	Trace disseminated sulphides
					Veining	156	45	335		1095077	147	148	1	0.0025	Trace disseminated sulphides
					Veining	161.07	25	345		1095078	148	149	1	0.008	Trace disseminated sulphides
					Veining	166.7	30	27	VG found on this Qtz vein.	1095079	149	150	1	0.014	Trace disseminated sulphides
					Veining	169.91	35	25		1095081	150	151	1	0.032	Trace disseminated sulphides
					Veining	171.61	32	10		1095082	151	152	1	0.139	Trace disseminated sulphides
										1095083	152	153	1	0.096	Trace disseminated sulphides
										1095084	153	154	1	0.0025	Trace disseminated sulphides
										1095086	154	155	1	0.954	Trace disseminated sulphides
										1095087	155	156	1	0.253	Trace disseminated sulphides
										1095088	156	157	1	0.0025	Trace disseminated sulphides
										1095089	157	158	1	0.014	Trace disseminated sulphides
										1095091	158	159	1	0.0025	Trace disseminated sulphides
										1095092	159	160	1	0.0025	Trace disseminated sulphides
										1095093	160	161	1	0.0025	Trace disseminated sulphides
										1095094	161	162	1	0.0025	Trace disseminated sulphides



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095095	162	163	1	0.0025	Trace disseminated sulphides
										1095096	163	164	1	0.693	Trace disseminated sulphides
										1095097	164	165	1	1.38	Trace disseminated sulphides
										1095098	165	166	1	0.379	Trace disseminated sulphides
										1095099	166	167	1	7.57	166.7 m: VG found within the outer edge of a quartz vein.
										1095101	167	168	1	0.143	Trace disseminated sulphides
										1095102	168	169	1	0.04	Trace disseminated sulphides
										1095103	169	170	1	0.106	Trace disseminated sulphides
										1095104	170	171	1	2.05	Trace disseminated sulphides
										1095105	171	172	1	0.066	Trace disseminated sulphides
										1095106	172	173	1	1.53	Trace disseminated sulphides
										1095107	173	174	1	0.252	Trace disseminated sulphides
<b>173</b>	<b>178.3</b>	<b>Gabbro</b>	<b>Granoblastic</b>												
Highly chloritized mafic volcanic unit which transitions from a gabbro to a flow.															
<b>178.3</b>	<b>184.05</b>	<b>Fault Zone</b>			Fault	178.3	40	30							
Broken blocks of core, sections with fault breccia															
<b>184.05</b>	<b>194</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining	186	25	20							
End of Hole															



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	9/1/2020	Azimuth:	183	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	9/3/2020	Dip:	-78	Easting:	682,475						
Core Storage:	Murillo	Casing Length (m):	9	Logger:	Joe Suk	Act. Depth (m):	254	Northing:	5,683,266						
		Casing Capped:	Yes	End Date of Logging:	9/4/2020			Elev. (m):	379.5						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	8.75	Overburden													
8.75	38	Gabbro	Granoblastic		Veining	14.3	30	320							
					Veining	35.03	32	340							
38	52.5	Mafic Volcanic	Flow	Gabbro						1095108	47	48	1	0.0025	Section of qtz flooding
Chloritized fine grained mafic unit with biotite and qtz carb. Veins. Qtz flooding from 47.1-49.7					Foliation	43	25	30		1095109	48	49	1	0.005	Section of qtz flooding
										1095111	49	50	1	0.0025	Section of qtz flooding
52.5	87	Gabbro	Granoblastic		Veining	65.19	20	20		1095112	65	66	1	0.0025	irregular shaped quartz vein with Py
Same unit as 8.75-38 just with varying grain sizes from medium to coarse.					Foliation	69.39	30	330							
					Contact	86.71	35	330	Gradual						
87	164.1	Intermediate Volcanic	Schistose		Veining	91	15	25		1095113	115	116	1	0.0025	shoulder sample, 1% py
Sheared int. volcanic unit. Bleaching and quartz flooding occurring from 115-128. This interval contains 3-4% pyrite commonly along fractures. Also found within thin stringer veinlets. Fault zone from 134.5-135.5. Minor breccia shouldering the fault.					Foliation	93.55	25	335		1095114	116	117	1	0.0025	shoulder sample, 1% py
					Veining	98.5	30	340		1095115	117	118	1	0.0025	shoulder sample, 1% py
					Foliation	122	35	330		1095116	118	119	1	0.0025	shoulder sample, 1% py
					Veining	144.85	33	35		1095117	119	120	1	0.0025	shoulder sample, 1% py
					Foliation	150.45	25	330		1095118	120	121	1	0.0025	3% py
					Veining	156.48	40	340		1095119	121	122	1	0.0025	3% py
					Veining	160.71	35	320		1095121	122	123	1	0.0025	3% py
										1095122	123	124	1	0.0025	3% py
										1095123	124	125	1	0.015	3% py
										1095124	125	126	1	0.024	3% py
										1095126	126	127	1	0.06	3% py
										1095127	127	128	1	0.0025	trace py
										1095128	128	129	1	0.009	trace py
										1095129	129	130	1	0.0025	trace py
										1095131	130	131	1	0.005	trace py
										1095132	131	132	1	0.005	trace py
										1095133	132	133	1	0.0025	trace py
										1095134	133	134	1	0.0025	trace py
										1095135	134	135	1	0.0025	trace py
										1095136	135	136	1	0.0025	trace py
										1095137	136	137	1	0.005	trace py
										1095138	137	138	1	0.005	trace py
										1095139	138	139	1	0.009	trace py
										1095141	139	140	1	0.008	trace py
										1095142	140	141	1	0.008	trace py
										1095143	141	142	1	0.006	trace py
164.1	168.5	Fault Zone													
Blocky and crumbly fz with some fault breccia. No sulphides. Hematite staining common. Found within the shoulders of the fz as well.															
168.5	183.5	Intermediate Volcanic	Schistose		Foliation	170	40	350		1095144	182.5	183.5	1	0.032	gabbro/iron formation
183.5	227.12	Lean Iron Formation		Gabbro	Veining	190.76	30	340		1095145	183.5	184	0.5	0.008	gabbro/iron formation
Sheared gabbro unit with intercolated iron formation with quartz flooding and veinlets. 183.5-210.5: sulphide(pyrite) rich section. Some 1 metre sections with up to 30% pyrite. Medium-coarse grained garnets common after 210.5 m. Sulphides commonly fractured					Veining	194.76	35	325		1095146	184	185	1	0.011	silicified section, 1 % py
					Veining	200.25	40	345		1095147	185	186	1	0.0025	silicified section, 1 % py
					Veining	200.8	40	340		1095148	186	187	1	0.01	silicified section, 1 % py
					Veining	216.33	33	335		1095149	187	188	1	0.093	silicified section, 1 % py
					Veining	219.3	26	345		1095151	188	189	1	0.248	8% py



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
					Veining	223.52	40	15		1095152	189	190	1	0.813 5% py	
					Veining	227	40	20		1095153	190	191	1	0.747 5% py	
										1095154	191	192	1	0.974 5% py	
										1095155	192	193	1	0.415 5% py	
										1095156	193	194	1	4.18 5% py	
										1095157	194	195	1	6.25 5% py	
										1095158	195	196	1	12.8 10% py	
										1095159	196	197	1	0.021 2% py	
										1095161	197	198	1	0.024 shoulder sample, gab	
										1095162	198	199	1	0.006 shoulder sample, gab	
										1095163	199	200	1	0.0025 shoulder sample, gab	
										1095164	200	201	1	0.305 8% py	
										1095166	201	202	1	0.22 10% py	
										1095167	202	203	1	0.322 5% py	
										1095168	203	204	1	0.232 5% py	
										1095169	204	205	1	0.184 8% py	
										1095171	205	206	1	0.043 3% py	
										1095172	206	207	1	0.006 3% py, 5% garnet	
										1095173	207	208	1	0.0025 py + garnet	
										1095174	208	209	1	0.007 py + garnet	
										1095175	209	210	1	0.006 py + garnet	
										1095176	210	211	1	0.028 py + garnet	
										1095177	211	212	1	0.03 py + garnet	
										1095178	212	213	1	0.0025 py + garnet	
										1095179	213	214	1	0.036 py + garnet	
										1095181	214	215	1	0.011 py + garnet	
										1095182	215	216	1	0.01 2% pyrite	
										1095183	216	217	1	0.009 lean iron formation	
										1095184	217	218	1	0.18 lean iron formation	
										1095185	218	219	1	0.035 lean iron formation	
										1095186	219	220	1	0.203 lean iron formation	
										1095187	220	221	1	0.289 lean iron formation	
										1095188	221	222	1	0.418 lean iron formation	
										1095189	222	223	1	0.085 lean iron formation	
										1095191	223	224	1	0.586 lean iron formation	
										1095192	224	225	1	0.14 lean iron formation	
										1095193	225	226	1	0.067 lean iron formation	
227.12	254	Gabbro	Granoblastic							1095194	226	227.12	1.12	0.031 lean iron formation, pyrite	
										1095195	240	241	1	0.02 lean iron formation, pyrite	
										1095196	241	242	1	0.005 lean iron formation, pyrite	
										1095197	242	243	1	0.0025 lean iron formation, pyrite	
										1095198	243	244	1	0.005 lean iron formation, pyrite	
										1095199	244	245	1	0.025 lean iron formation, pyrite	
										1095201	245	246	1	0.06 lean iron formation, pyrite	
										1095202	246	247	1	0.028 lean iron formation, pyrite	



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	9/6/2020	Azimuth:	175	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	9/8/2020	Dip:	-61	Easting:	682,579						
Core Storage:	Murillo	Casing Length (m):	19.8	Logger:	Joe Suk	Act. Depth (m):	212	Northing:	5,683,291						
		Casing Capped:	Yes	End Date of Logging:	9/9/2020			Elev. (m):	380						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	19.8	Overburden													
19.8	89	Gabbro	Granoblastic		Veining	28.11	45	345							
					Veining	34.91	35	25							
					Veining	41.06	45	330							
					Veining	49	30	345							
					Veining	69.69	25	43							
					Foliation	83.38	38	330							
89	89.7	Banded Iron Formation	Banded		Bedding	89	40	345		1095203	89	89.56	0.56	0.0025	BIF
89.7	92.4	Gabbro	Granoblastic							1095204	89.56	91	1.44	0.0025	BIF and gabbro with pyrite
										1095206	91	92	1	0.0025	iron formation with pyrite
										1095207	92	93	1	0.005	iron formation with pyrite
92.4	131	Intermediate Volcanic	Crystalization		Veining	105.2	45	20							
					Veining	113.84	45	348		1095208	93	94	1	0.008	iron formation with pyrite
					Veining	119.5	45	350		1095209	94	95	1	0.007	iron formation with pyrite
					Veining	127.6	45	25							
131	140.8	Fault Zone													
140.8	155.1	Gabbro	Spinifex							1095211	142.6	143.4	0.8	0.012	qtz vein
					Veining	152.78	35	30		1095212	154	155	1	0.012	shoulder of iron formation
155.1	166.22	Lean Iron Formation	Banded	Gabbro	Veining	156.28	40	330		1095213	155	156	1	0.0025	iron formation with pyrite
					Veining	159.5	46	25		1095214	156	157	1	0.375	pyrite
					Veining	161.54	45	340		1095215	157	158	1	0.271	iron formation with pyrite
										1095216	158	159.5	1.5	0.018	iron formation with pyrite
										1095217	159.5	160.4	0.9	1.05	in 10 cm sections
										1095218	160.4	161.4	1	4.11	in 10 cm sections
										1095219	161.4	162.1	0.7	8.43	in 10 cm sections
										1095221	162.1	163	0.9	0.023	iron formation with trace sulphides
										1095222	163	164	1	4.15	iron formation with trace sulphides
										1095223	164	165	1	6.15	iron formation with trace sulphides
										1095224	165	166	1	6.56	iron formation with trace sulphides
166.22	182	Gabbro	Granoblastic	Lean Iron Formation						1095225	166	167	1	0.013	iron formation with trace sulphides
					Veining	169.16	40	338		1095226	167	168	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
					Veining	173.26	40	20		1095227	168	169	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095228	169	170	1	0.04	iron formation/gabbro with disseminated sulphides(py+po)



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095229	170	171	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095231	171	172	1	0.01	iron formation/gabbro with disseminated sulphides(py+po)
										1095232	172	173	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095233	173	174	1	0.049	iron formation/gabbro with disseminated sulphides(py+po)
										1095234	174	175	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095235	175	176	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095236	176	177	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095237	177	178	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095238	178	179	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095239	179	180	1	0.015	iron formation/gabbro with disseminated sulphides(py+po)
										1095241	180	181	1	0.058	iron formation/gabbro with disseminated sulphides(py+po)
										1095242	181	182	1	0.024	iron formation/gabbro with disseminated sulphides(py+po)
<b>182</b>	<b>183.9</b>	<b>Lean Iron Formation</b>	<b>Banded</b>												
Iron formations from 182-183.9, 185.66-185.92, 189.19-189.73, 194.06-194.16. From 204-206: 4 irregular shaped quartz veins with pyrite, pyrrhotite, and trace chalcopyrite.					Foliation	182.25	55	350		1095243	182	183	1	0.015	iron formation/gabbro with disseminated sulphides(py+po)
										1095244	183	184	1	0.005	iron formation/gabbro with disseminated sulphides(py+po)
<b>183.9</b>	<b>212</b>	<b>Gabbro</b>	<b>Granoblastic</b>	<b>Lean Iron Formation</b>											
Iron formations from 182-183.9, 185.66-185.92, 189.19-189.73, 194.06-194.16. From 204-206: 4 irregular shaped quartz veins with pyrite, pyrrhotite, and trace chalcopyrite.					Veining	186.34	36	345		1095289	184	185	1	0.005	OUT OF SEQUENCE BUT NO ERROR
					Veining	186.34	36	345		1095246	185	186	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
					Veining	193.64	40	318		1095247	186	187	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
					Veining	205.13	55	25		1095248	187	188	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095249	188	189	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095251	189	190	1	0.008	iron formation/gabbro with disseminated sulphides(py+po)
										1095252	190	191	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095253	191	192	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095254	192	193	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)



### DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095255	193	194	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095256	194	195	1	0.007	iron formation/gabbro with disseminated sulphides(py+po)
										1095257	195	196	1	0.009	iron formation/gabbro with disseminated sulphides(py+po)
										1095258	196	197	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095259	197	198	1	0.0025	iron formation/gabbro with disseminated sulphides(py+po)
										1095261	198	199	1	0.006	iron formation/gabbro with disseminated sulphides(py+po)
										1095262	199	200	1	0.005	iron formation/gabbro with disseminated sulphides(py+po)
										1095263	200	201	1	0.008	iron formation/gabbro with disseminated sulphides(py+po)
										1095264	201	202	1	0.006	iron formation/gabbro with disseminated sulphides(py+po)
										1095265	202	203	1	0.009	iron formation/gabbro with disseminated sulphides(py+po)
										1095266	203	204	1	0.128	iron formation/gabbro with disseminated sulphides(py+po)
										1095267	204	205	1	0.266	iron formation/gabbro with disseminated sulphides(py+po)
										1095268	205	206	1	0.269	iron formation/gabbro with disseminated sulphides(py+po)
										1095269	206	207	1	0.053	iron formation/gabbro with disseminated sulphides(py+po)
										1095271	207	208	1	0.012	iron formation/gabbro with disseminated sulphides(py+po)
										1095272	208	209	1	0.025	iron formation/gabbro with disseminated sulphides(py+po)
										1095273	209	210	1	0.006	iron formation/gabbro with disseminated sulphides(py+po)
										1095274	210	211	1	0.006	iron formation/gabbro with disseminated sulphides(py+po)
										1095275	211	212	1	0.011	iron formation/gabbro with disseminated sulphides(py+po)



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	9/9/2020	Azimuth:	178	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	9/11/2020	Dip:	-71	Easting:	682,579						
Core Storage:	Murillo	Casing Length (m):	23	Logger:	Joe Suk	Act. Depth (m):	272	Northing:	5,683,291						
		Casing Capped:	Yes	End Date of Logging:	9/12/2020			Elev. (m):	380						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	23	Overburden													
23	24.58	Mafic Volcanic	Granoblastic												
Fine grained mv.															
24.58	29.1	Felsic Intrusive	Banded	Gabbro											
Pink, felsic intrusive with 10-20 cm sections of gabbro within.															
29.1	35	Gabbro	Granoblastic							1095276	30	31.5	1.5	0.0025	1-2% Pyrite
35	42.72	Lean Iron Formation	Banded	Gabbro						1095277	35	36	1	0.0025	iron formation
Silicified, cherty iron formation intermixed with gabbro. Highly magnetic and light grey in colour.															
					Veining	38.3	34	22		1095278	36	37	1	0.0025	iron formation
					Veining	39.29	40	345		1095279	37	38	1	0.0025	iron formation
										1095281	38	39	1	0.0025	iron formation
										1095282	39	40	1	0.0025	iron formation
										1095283	40	41	1	0.0025	iron formation
										1095284	41	42	1	0.0025	iron formation
										1095286	42	42.72	0.72	0.005	iron formation
42.72	115.5	Gabbro	Granoblastic		Veining	42.76	30	15		1095287	85	86	1	0.0025	4% pyrite within fluidized section
Felsic dykes (blotches) found after 68.8m.															
					Veining	48.22	60	44		1095288	86	87	1	0.0025	4% pyrite within fluidized section
					Veining	69	25	345							
					Veining	77.55	48	330							
					Veining	86.12	45	335							
					Veining	103.26	40	18							
					Veining	111.86	35	345							
115.5	116.5	Fault Zone													
Fault zone with 8 cm of fault gouge and evidence of fluid passge. Garnets and carbonate associated around the gouge.															
116.5	173.25	Intermediate Volcanic	Banded		Veining	121.65	17	0		1095291	121	122	1	0.019	shoulder of mineralized zone. 1% pyrite
123.5-125: mineralized zone with up to 10% sulphides, including pyrrhotite and pyrite.															
					Veining	128.75	45	335		1095292	122	123	1	0.0025	1-2% pyrite
					Veining	136.26	15	345		1095293	123	124	1	0.007	2-3% pyrite
					Shear Bands	140.84	35	15		1095294	124	125	1	0.009	5-10% pyrite and 5% pyrrhotite
					Foliation	147.5	35	345		1095295	125	126	1	0.006	shoulder of mineralized zone, 1% pyrite
					Veining	159.42	45	22		1095296	135	136	1	0.009	1-2% disseminated sulphides
					Veining	163.36	50	15		1095297	136	137	1	0.01	1-2% disseminated sulphides
					Veining	170.45	45	20		1095298	137	138	1	0.009	1-2% disseminated sulphides
										1095299	138	139	1	0.013	1-2% disseminated sulphides
										1095301	139	140	1	0.024	1-2% disseminated sulphides
										1095302	140	141	1	0.019	1-2% disseminated sulphides
										1095303	150	151	1	0.0025	1-2% disseminated sulphides
										1095304	151	152	1	0.0025	1-2% disseminated sulphides
										1095305	152	153	1	0.0025	1-2% disseminated sulphides
173.25	199	Gabbro	Granoblastic		Veining	185.73	45	20		1095306	191	192	1	0.0025	gabbro with disseminated sulphides
Medium to coarse grained gabbro, relatively barren. @ 192.9: 3 cm wide pyrrhotite blob.															
					Veining	190.07	24	20		1095307	192	193	1	0.0025	gabbro with disseminated sulphides
										1095308	193	194	1	0.0025	gabbro with disseminated sulphides, large 3cm pyrrhotite





## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
199	226.04	Lean Iron Formation		Gabbro	Veining	201.44	35	18		1095309	199	200	1	0.013	lean iron formation with disseminated sulphides
Looks like a gabbro unit. Likely broken and silicified throughout. The light bands tend to be the most magnetic.					Veining	209.5	45	298		1095311	200	201	1	0.005	lean iron formation with disseminated sulphides
					Veining	215.12	40	15		1095312	201	202	1	0.0025	lean iron formation with disseminated sulphides
					Veining	220.85	40	15		1095313	202	203	1	0.0025	lean iron formation with disseminated sulphides
										1095314	203	204	1	1.56	lean iron formation with disseminated sulphides
										1095315	204	205	1	2.27	lean iron formation with disseminated sulphides
										1095316	205	206	1	0.0025	lean iron formation with disseminated sulphides
										1095317	206	207	1	0.0025	lean iron formation with disseminated sulphides
										1095318	207	208	1	0.0025	lean iron formation with disseminated sulphides
										1095319	208	209	1	0.008	lean iron formation with disseminated sulphides
										1095321	209	210	1	0.088	lean iron formation with disseminated sulphides
										1095322	210	211	1	0.007	lean iron formation with disseminated sulphides
										1095323	211	212	1	0.021	lean iron formation with disseminated sulphides
										1095324	212	213	1	0.0025	lean iron formation with disseminated sulphides
										1095326	213	214	1	0.0025	lean iron formation with disseminated sulphides
										1095327	214	215	1	0.0025	lean iron formation with disseminated sulphides
										1095328	215	216	1	0.055	lean iron formation with disseminated sulphides
										1095329	216	217	1	1.63	lean iron formation with disseminated sulphides
										1095331	217	218	1	0.018	lean iron formation with disseminated sulphides
										1095332	218	219	1	0.018	lean iron formation with disseminated sulphides
					1095333	219	220	1	0.0025	lean iron formation with disseminated sulphides					
					1095334	220	221	1	0.019	lean iron formation with disseminated sulphides					
					1095335	221	222	1	0.184	lean iron formation with disseminated sulphides					
					1095336	222	223	1	0.198	lean iron formation with disseminated sulphides					
					1095337	223	224	1	1.41	lean iron formation with disseminated sulphides					
					1095338	224	225	1	0.414	lean iron formation with disseminated sulphides					
					1095339	225	226	1	0.006	lean iron formation with disseminated sulphides					
226.04	231.05	Gabbro	Granoblastic	Lean Iron Formation	Veining	228.96	35	20		1095341	230	231	1	0.005	gabbro with disseminated sulphides



### DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments				
231.05	247	Lean Iron Formation	Banded	Gabbro	Veining	233.9	53	15		1095342	231	232	1	0.018	lean iron formation with disseminated sulphides				
Highly magnetic iron formation with 0.1-2cm wide bands of chlorite, biotite, quartz. Less silicious and more banded than the previous IF. More of a healed, silicious unit up 236.					Veining	243.56	45	10		1095343	232	233	1	0.011	lean iron formation with disseminated sulphides				
														1095344	233	234	1	0.01	lean iron formation with disseminated sulphides
														1095345	234	235	1	0.01	lean iron formation with disseminated sulphides
														1095346	235	236	1	0.005	lean iron formation with disseminated sulphides
														1095347	236	237	1	0.0025	lean iron formation with disseminated sulphides
														1095348	237	238	1	0.005	lean iron formation with disseminated sulphides
														1095349	238	239	1	0.167	lean iron formation with disseminated sulphides
														1095351	239	240	1	0.051	lean iron formation with disseminated sulphides
														1095352	240	241	1	0.43	lean iron formation with disseminated sulphides
														1095353	241	242	1	0.703	lean iron formation with disseminated sulphides
														1095354	242	243	1	0.1	lean iron formation with disseminated sulphides
														1095355	243	244	1	0.087	lean iron formation with disseminated sulphides
														1095356	244	245	1	0.014	lean iron formation with disseminated sulphides
														1095357	245	246	1	0.011	lean iron formation with disseminated sulphides
														1095358	246	247	1	0.012	lean iron formation with disseminated sulphides
					247	272	Gabbro	Granoblastic	Lean Iron Formation	Veining	249.11	40	340		1095359	247	248	1	0.025
Medium to coarse grained gabbro with very minimal (2-5%) lean iron formation. The gabbro loses its foliation at 255 m.					Veining	264.55	47	335											
					Veining	264.85	45	10											



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	10/7/2020	Azimuth:	177	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	10/9/2020	Dip:	-61	Easting:	682,162						
Core Storage:	Murillo	Casing Length (m):	23	Logger:	Joe Suk	Act. Depth (m):	251	Northing:	5,683,306						
		Casing Capped:	Yes	End Date of Logging:	10/10/2020			Elev. (m):	380						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	2.58	Overburden													
2.58	6.7	Porphyry	Porphyritic												
White quartz eyes commonly speckled throughout.															
6.7	7.8	Intermediate Volcanic	Volcanic												
7.8	8.8	Porphyry	Porphyritic												
8.8	9.8	Intermediate Volcanic	Volcanic												
9.8	17.34	Intermediate Volcanic	Volcanic	Porphyry	Veining	12.72	40	345							
17.34	18.32	Porphyry	Porphyritic	Intermediate											
18.32	44.09	Intermediate Volcanic	Volcanic		Veining	22.11	40	340							
					Foliation	34.14	45	10							
					Veining	42	40	20							
44.09	48.68	Porphyry	Porphyritic												
48.68	50.49	Intermediate Volcanic	Volcanic												
50.49	52.17	Porphyry	Porphyritic												
52.17	60.24	Mafic Volcanic	Volcanic		Veining	58.26	55	33							
60.24	69.15	Lean Iron Formation	Banded	Gabbro	Veining	65.25	45	30							
69.15	126	Gabbro	Granoblastic	Diabase	Veining	79.04	44	0		1095361	121	122	1	0.078	Trace disseminated pyrite.
Medium to coarse grained gabbro with two diabase dykes from 85.32-85.63m and 111.91-112.69m.															
					Veining	92.42	50	25		1095362	122	123	1	0.006	Trace disseminated pyrite.
					Veining	121.76	27	335		1095363	123	124	1	0.0025	Trace disseminated pyrite.
										1095364	124	125	1	0.0025	Trace disseminated pyrite.
										1095366	125	126	1	0.0025	Trace disseminated pyrite.
126	168.3	Intermediate Volcanic	Volcanic		Veining	130.07	40	337		1095367	126	127	1	0.01	Trace disseminated pyrite.
From 126-127.3: injection of fluids and signs of flow with some carbonation. From 163.5-166: porphyritic texture with 0.1-1 cm qtz phenocrysts.															
					Veining	138.91	45	345		1095368	127	128	1	0.0025	Trace disseminated pyrite.
					Veining	148.5	45	340		1095369	135	136	1	0.0025	Trace disseminated pyrite.
					Foliation	163.42	55	12		1095371	136	137	1	0.0025	Trace disseminated pyrite.
										1095372	137	138	1	0.0025	Trace disseminated pyrite.
										1095373	140	141	1	0.005	1% disseminated pyrite.
										1095374	141	142	1	0.005	Trace disseminated pyrite.
										1095375	142	143	1	0.006	2% disseminated pyrite.
										1095376	143	144	1	0.0025	1% disseminated pyrite.
										1095377	144	145	1	0.0025	1% disseminated pyrite.
										1095378	145	146	1	0.0025	1% disseminated pyrite.
										1095379	146	147	1	0.0025	1% disseminated pyrite.
										1095381	147	148	1	0.006	1% disseminated pyrite.
										1095382	148	149	1	0.0025	1% disseminated pyrite.
										1095383	149	150	1	0.005	Trace disseminated pyrite.
										1095384	150	151	1	0.007	Trace disseminated pyrite.
										1095385	151	152	1	0.0025	Trace disseminated pyrite.
										1095386	152	153	1	0.005	Trace disseminated pyrite.
										1095387	153	154	1	0.014	Trace disseminated pyrite.
										1095388	154	155	1	0.026	Trace disseminated pyrite.
168.3	205.67	Gabbro	Granoblastic		Veining	178.36	35	15							
Medium to coarse grained gabbro.															
					Veining	187.91	60	345		1095389	205	206	1	0.014	1% disseminated pyrite.
205.67	232.1	Lean Iron Formation	Banded	Gabbro	Veining	208.88	55	20		1095391	206	207	1	0.006	1% disseminated pyrite.
Fine-medium grained gabbro(magnetic) intermixed with lean iron formation. Up to 3 % sulphides (pyrite and pyrrhotite) from 211-212 m. 4 sections of 0.2-0.5 meters of lean iron formation with visible magnetite. Overall magnetic.															
					Veining	226.77	50	32		1095392	207	208	1	0.012	1% disseminated pyrite.
										1095393	208	209	1	0.006	1% disseminated pyrite.
										1095394	209	210	1	0.028	1% disseminated pyrite.



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095395	210	210.7	0.7	0.317	1% disseminated pyrite.
										1095396	210.7	212	1.3	3.06	10% py, 5% pyrrhotite. Strongly silicified, highly sheared. Mineralization starts and ends abruptly.
										1095397	212	213	1	0.328	1% disseminated pyrite.
										1095398	213	214	1	0.043	1% disseminated pyrite.
										1095399	214	215	1	0.024	Trace disseminated pyrite.
										1095401	215	216	1	0.029	Trace disseminated pyrite.
										1095402	216	217	1	0.0025	Trace disseminated pyrite.
										1095403	217	218	1	0.0025	Trace disseminated pyrite.
										1095404	218	219	1	0.0025	Trace disseminated pyrite.
										1095406	219	220	1	0.0025	Trace disseminated pyrite.
										1095407	220	221	1	0.0025	Trace disseminated pyrite.
										1095408	221	222	1	0.0025	Trace disseminated pyrite.
										1095409	222	223	1	0.076	Trace disseminated pyrite.
										1095411	223	224	1	0.008	Trace disseminated pyrite.
										1095412	224	225	1	0.0025	Trace disseminated pyrite.
										1095413	225	226	1	0.0025	Trace disseminated pyrite.
										1095414	226	227	1	0.371	Trace disseminated pyrite.
										1095415	227	228	1	0.0025	Trace disseminated pyrite.
										1095416	228	229	1	0.0025	Trace disseminated pyrite.
										1095417	229	230	1	0.005	Trace disseminated pyrite.
										1095418	230	231	1	0.005	Trace disseminated pyrite.
										1095419	231	232	1	0.0025	Trace disseminated pyrite.
										1095421	232	233	1	0.008	Trace disseminated pyrite.
										1095422	233	234	1	0.0025	Trace disseminated pyrite.
										1095423	234	235	1	0.014	Trace disseminated pyrite.
232.1	251	Gabbro	Granoblastic		Veining	246.22	30	0							
Magnetic gabbro, barren.															



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	10/9/2020	Azimuth:	178	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	10/12/2020	Dip:	-46	Easting:	682,162						
Core Storage:	Murillo	Casing Length (m):	3	Logger:	Joe Suk	Act. Depth (m):	200	Northing:	5,683,306						
		Casing Capped:	Yes	End Date of Logging:	10/14/2020			Elev. (m):	380						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	3.1	Overburden													
3.1	34.7	Intermediate Volcanic	Banded												
40 cm porphyritic section from 10.2-10.61. Sericitic stockworks running through section, 20% sericite from 4.5-8m and 10% from 22-30m. Brecciated section @ 13.9-14.2m with pink/grey feldspar fragments.					Foliation	9.1	65	5		1095424	14.5	15.5	1	0.011	Int. Volcanic unit with few, thin pyrite
					Foliation	29.05	65	345							
34.7	38.31	Porphyry	Porphyritic												
Blocky quartz porphyry with minor pink feldspar. Sericite coating the blocks, slippery to the touch.					Foliation	36.74	55	10							
38.31	40.78	Intermediate Volcanic	Banded	Porphyry											
40.78	51.74	Gabbro	Granoblastic	Diabase											
53 cm section of fine grained diabase from 49.36-49.89 m.															
51.74	54.98	Lean Iron Formation	Banded												
Light, highly magnetic. 2 x 10cm quartz veins from 52.3-52.6; pyrite found rimming the quartz veins.					Veining	53.17	60	345		1095425	51.74	53	1.26	0.0025	Two qtz veins with pyrite. 1%
										1095426	53	54	1	0.303	One pyrite band
										1095427	54	55	1	0.033	Gabbro with several QC veins running
54.98	94	Gabbro	Granoblastic	Diabase											
Mottled gabbro, medium to coarse grained. Significant veining running through 54-61m section. Becomes blobby and foliated at 73 metres. From 86.91-87.47: diabase dyke.					Veining	57.36	52	27		1095428	55	56	1	0.018	Several QC veins running through
					Foliation	74.47	60	12		1095429	56	57	1	1.27	Several QC veins running through
					Dyke	86.91	65	18		1095431	57	58	1	0.013	Several QC veins running through
										1095432	58	59	1	0.009	Several QC veins running through
94	134.6	Intermediate Volcanic	Banded	Porphyry											
From 99.75-101.06: Quartz porphyry with stringers of sericite From 110-134: 0.1-1.5 metre sections of mafic porphyry within the unit. An intermediate porphyry with stretched quartz grains. 98-98.3: section displaying fluid injection.					Veining	94.6	60	22		1095433	95	96	1	0.007	shoulder of injection zone, trace py
					Foliation	105.5	68	338		1095434	96	97	1	0.023	shoulder of injection zone, 1% py
					Veining	114.82	52	340		1095435	97	98	1	0.052	shoulder of injection zone, 2% py
					Foliation	131.78	60	20		1095436	98	99	1	0.028	injection zone, 1% py
										1095437	99	100	1	0.0025	shoulder of injection zone, trace py
															Intermediate section between two mafic
										1095438	112	113	1	0.0025	porphyritic sections. 1% py
															Intermediate section between two mafic
										1095439	113	114	1	0.006	porphyritic sections. 1% py
										1095441	114	115	1	0.0025	Intermediate section between two mafic
															porphyritic sections. 1% py
										1095442	124	125	1	0.006	Intermediate section with 1% diss. Py
										1095443	125	126	1	0.0025	Intermediate section with 1% diss. Py
										1095444	126	127	1	0.0025	Intermediate section with 1% diss. Py
										1095446	127	128	1	0.0025	Intermediate section with 1% diss. Py
134.6	161.9	Gabbro	Granoblastic	Diabase											
Diabase found from 139.87-141.04 and 142.6-143. 3 5-10 cm sections of lean iron formation in the final 3 metres.					Dyke	140.11	65	0		1095447	146	147	1	0.0025	Gabbro with 1% po
					Veining	146.12	48	340		1095448	147	148	1	0.0025	Gabbro with several QC veins running
					Veining	159.87	55	12		1095449	148	149	1	0.0025	Gabbro with several QC veins running
					Veining	177.76	50	25		1095451	149	150	1	0.0025	Gabbro with several QC veins running
										1095452	150	151	1	0.0025	Gabbro with several QC veins running
										1095453	151	152	1	0.0025	Gabbro with several QC veins running
										1095454	152	153	1	0.0025	Gabbro with 1% po
										1095455	153	154	1	0.005	Gabbro with 1% po
										1095456	154	155	1	0.0025	Gabbro with 1% po



# DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
161.9	181	Lean Iron Formation	Banded	Gabbro						1095457	155	156	1	0.008	Gabbro with several QC veins running
										1095458	156	157	1	0.009	Gabbro with several QC veins running
										1095459	157	158	1	0.0025	Gabbro with several QC veins running
										1095461	158	159	1	0.005	Gabbro with several QC veins running
										1095462	159	160	1	0.009	Gabbro with several QC veins running
										1095463	160	161	1	0.006	Gabbro with several QC veins running
										1095464	161	162	1	0.005	Gabbro with several QC veins running through.
										1095465	162	163	1	0.0025	Lean iron formation
										1095466	163	164	1	0.0025	Lean iron formation
										1095467	164	165	1	0.0025	Lean iron formation
										1095468	165	166	1	0.0025	Lean iron formation
										1095469	166	167	1	0.0025	Lean iron formation
										1095471	167	168	1	0.0025	Lean iron formation
										1095472	168	169	1	0.0025	Lean iron formation
										1095473	169	170	1	0.0025	Lean iron formation
										1095474	170	171	1	0.0025	Lean iron formation
										1095475	171	172	1	0.0025	Lean iron formation
										181	200	Gabbro	Granoblastic	Lean Iron Formation	Veining
1095477	173	174	1	0.0025	Lean iron formation										
1095478	174	175	1	0.0025	Lean iron formation										
1095479	175	176	1	0.006	Lean iron formation										
1095481	176	177	1	0.019	Lean iron formation										
1095482	177	178	1	0.012	Lean iron formation										
1095483	178	179	1	0.017	Lean iron formation										
1095484	179	180	1	0.0025	Lean iron formation										
1095485	180	181	1	0.0025	gabbro with some lean iron										
1095486	181	182	1	0.0025	gabbro with some lean iron										
1095487	182	183	1	0.0025	gabbro with some lean iron										
1095488	183	184	1	0.0025	gabbro with some lean iron										
1095489	184	185	1	0.007	gabbro with some lean iron										
1095491	185	186	1	0.012	gabbro with some lean iron										
1095492	186	187	1	0.014	gabbro with some lean iron										
1095493	187	188	1	0.012	15 cm qc vein with magnetite, po, py. 2%										
1095494	188	189	1	0.007	gabbro with some lean iron										
1095495	189	190	1	0.0025	gabbro with diss py, up to 1%										
1095496	190	191	1	0.011	gabbro with diss py, up to 1%										
1095497	191	192	1	0.009	gabbro with diss py, up to 1%										
1095498	192	193	1	0.011	gabbro with diss py, up to 1%										
1095499	193	194	1	0.014	gabbro with diss py, up to 1%										
1095501	194	195	1	0.007	gabbro with diss py, up to 1%										
1095502	195	196	1	0.007	gabbro with diss py, up to 1%										
1095503	196	197	1	0.009	gabbro with diss py, up to 1%										
1095504	197	198	1	0.01	gabbro with diss py, up to 1%										
1095505	198	199	1	0.016	gabbro with diss py, up to 1%										
1095506	199	200	1	0.011	gabbro with diss py, up to 1%										



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	10/12/2020	Azimuth:	178	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	10/15/2020	Dip:	-73	Eastings:	682,162						
Core Storage:	Murillo	Casing Length (m):	3	Logger:	Joe Suk	Act. Depth (m):	311	Northing:	5,683,306						
		Casing Capped:	Yes	End Date of Logging:	10/17/2020			Elev. (m):	380						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	2.48	Overburden													
2.48	59.3	Intermediate Volcanic	Banded												
Strongly foliated to sheared int volcanic unit with with 3 30 cm qtz-carb veins from 9.1-9.4, 11-11.3, 37.05-37.35. 1-3cm bands of biotite and chlorite found across unit. Sericite coming up in randomly oriented, stockwork veinlets throughout section.										1095507	33	34	1	0.007	shoulder sample, int. vol
										1095508	34	35	1	0.008	1% trace diss py
										1095509	35	36	1	0.015	1% trace diss py
										1095511	36	37	1	0.009	1% trace diss py
										1095512	37	38	1	0.011	1% trace diss py
										1095513	38	39	1	0.005	1% trace diss py
										1095514	39	40	1	0.009	3% py from 39.8-40
										1095515	40	41	1	0.006	1% trace diss py
										1095516	41	42	1	0.0025	blebs of pyrite, 3% py
										1095517	42	43	1	0.006	1% trace diss py
										1095518	43	44	1	0.006	shoulder sample
59.3	71.6	Porphyry	Porphyritic		Foliation	69.6	35	18		1095519	59.3	60	0.7	0.0025	start of quartz porphyry
Strongly foliated quartz porphyry with strong, pervasive sericitization and medium grained quartz eyes.										1095521	60	61	1	0.0025	quartz porphyry with Si and sericite
										1095522	61	62	1	0.0025	quartz porphyry with Si and sericite
										1095523	62	63	1	0.0025	quartz porphyry with Si and sericite
										1095524	63	64	1	0.0025	quartz porphyry with Si and sericite
										1095526	64	65	1	0.0025	quartz porphyry with Si and sericite
										1095527	65	66	1	0.005	quartz porphyry with Si and sericite
										1095528	66	67	1	0.006	quartz porphyry with Si and sericite
										1095529	67	68	1	0.0025	quartz porphyry with Si and sericite
										1095531	68	69	1	0.0025	quartz porphyry with Si and sericite
										1095532	69	70	1	0.017	quartz porphyry with Si and sericite
										1095533	70	71	1	0.012	quartz porphyry with Si and sericite
										1095534	71	72	1	0.0025	quartz porphyry with Si and sericite
71.6	85.75	Gabbro	Granoblastic							1095535	72	73	1	0.006	continuous sampling between mineralizations, gabbro
										1095536	73	74	1	0.0025	continuous sampling between mineralizations, gabbro
										1095537	74	75	1	0.007	continuous sampling between mineralizations, gabbro
										1095538	75	76	1	0.014	continuous sampling between mineralizations, gabbro
										1095539	76	77	1	0.018	continuous sampling between mineralizations, gabbro
										1095541	77	78	1	0.0025	continuous sampling between mineralizations, gabbro
										1095542	78	79	1	0.01	continuous sampling between mineralizations, gabbro
										1095543	79	80	1	0.021	continuous sampling between mineralizations, gabbro
										1095544	80	81	1	0.136	continuous sampling between mineralizations, gabbro
										1095545	81	82	1	0.007	continuous sampling between mineralizations, gabbro



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095546	82	83	1	0.014	continuous sampling between mineralizations, gabbro
										1095547	83	84	1	0.008	continuous sampling between mineralizations, gabbro
										1095548	84	85	1	0.02	continuous sampling between mineralizations, gabbro
<b>85.75</b>	<b>88.5</b>	<b>Lean Iron Formation</b>	<b>Banded</b>							1095549	85	86	1	0.008	lean iron formation, 3-8% sulphides (py +
Magnetic lean iron formation, silicified.															
<b>88.5</b>	<b>149</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining	90.11	20	22		1095551	86	87	1	0.0025	lean iron formation, 3-8% sulphides (py +
Medium to coarse grained gabbro. From 89-92 metres, 3-8% diss to semi-massive py +po.															
					Veining	101.7	25	350		1095552	87	88	1	0.0025	lean iron formation, 3-8% sulphides (py +
					Veining	116.7	45	0		1095553	88	89	1	0.0025	lean iron formation, 3-8% sulphides (py +
					Veining	136.3	25	0		1095554	89	90	1	0.086	gabbro + lean iron, 3-8% sulphides (py +
					Veining	146.4	30	20		1095555	90	91	1	0.014	gabbro + lean iron, 3-8% sulphides (py +
										1095556	91	92	1	0.019	gabbro + lean iron, 3-8% sulphides (py +
										1095557	92	93	1	0.459	gabbro, 1% diss po
										1095558	93	94	1	0.03	gabbro, 1% diss po
										1095559	145	146	1	0.0025	shoulder sample of gabbro
										1095561	146	147	1	0.005	shoulder sample of gabbro with qc veins
										1095562	147	148	1	0.007	shoulder sample of gabbro with qc veins
										1095563	148	149	1	0.01	shoulder sample of gabbro with qc veins
<b>149</b>	<b>155</b>	<b>Lean Iron Formation</b>	<b>Banded</b>	<b>Gabbro</b>						1095564	149	150	1	0.05	lean iron formation, 3% py+po
Super silicious, quartz flooded. Massive pyrrhotite fracture fillings and some minor pyrite. From 151-156: 4-15% sulfides.															
										1095566	150	151	1	0.076	lean iron formation, 3% py+po
										1095567	151	152	1	1.35	lean iron formation, 10% py+po
										1095568	152	153	1	2.42	lean iron formation, 3% py+po
										1095569	153	154	1	0.508	lean iron formation, 3% py+po
										1095571	154	155	1	0.195	lean iron formation, 5% py+po
<b>155</b>	<b>181.05</b>	<b>Intermediate Volcanic</b>	<b>Banded</b>	<b>Gabbro</b>	Veining	160.89	40	15		1095572	155	156	1	0.017	lean iron formation+gabbro , 3-5% py+po
Intercolated, intermediate and mafic volcanic unit. Strongly foliated unit with evidence of fluid injections @159.5-160 and 165-166m. Large qtz vein from 155.6-156.28: chlorite stringers with pyrite and pyrrhotite within. Biotite and chlorite bands common															
					Veining	165.95	45	10		1095573	156	157	1	0.026	int. vol. with 1-3% py and qc veins
					Foliation	178.87	35	15		1095574	157	158	1	0.038	int. vol. with 1-3% py and qc veins
										1095575	158	159	1	0.008	gabbro with 1% po
										1095576	159	160	1	0.073	gabbro with injection unit. 5% py+po
										1095577	160	161	1	0.044	1-2% sulfides locally
										1095578	161	162	1	0.014	1-2% sulfides locally
										1095579	162	163	1	0.01	1-2% sulfides locally
										1095581	163	164	1	0.0025	1-2% sulfides locally
										1095582	164	165	1	0.0025	1-2% sulfides locally
										1095583	165	166	1	0.0025	1-2% sulfides locally
										1095584	166	167	1	0.027	1-2% sulfides locally
										1095585	167	168	1	0.005	1-2% sulfides locally
										1095586	168	169	1	0.006	1-2% sulfides locally
										1095587	169	170	1	0.014	1-2% sulfides locally
										1095588	170	171	1	0.02	1-2% sulfides locally
										1095589	171	172	1	0.0025	1-2% sulfides locally
										1095591	172	173	1	0.0025	1-2% sulfides locally
										1095592	173	174	1	0.0025	1-2% sulfides locally
										1095593	174	175.5	1.5	0.0025	1-2% sulfides locally
										1095594	175.5	177	1.5	0.0025	1-2% sulfides locally
										1095595	177	178.5	1.5	0.005	1-2% sulfides locally
										1095596	178.5	180	1.5	0.011	1-2% sulfides locally
										1095597	180	181.05	1.05	0.009	1-2% sulfides locally





## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments	
<b>181.05</b>	<b>184.81</b>	<b>Porphyry</b>	<b>Porphyritic</b>	<b>Int Volcanic</b>						1095598	181.05	182	0.95	0.012	1-2% sulfides locally	
Quartz porphyry with some 10-20 cm sections of int. volcanic within. Unit is light brown in colour. Unit mostly composed of quartz with quartz eyes and sericite stringers throughout its entirety										1095599	182	183	1	0.012	quartz porphyry	
													1095601	183	183.6	0.6
<b>184.81</b>										1095602	183.6	184.81	1.21	0.009	quartz porphyry	
													1095603	184.81	186	1.19
<b>236</b>	<b>236</b>	<b>Intermediate Volcanic</b>	<b>Banded</b>	<b>Porphyry</b>	Fold	190.21	30	12		1095604	186	187	1	0.006	1-2% sulfides locally	
Strongly foliated intermediate volcanic unit with a banded and porphyritic texture. Quartz eyes common throughout. Bands of biotite and chlorite common throughout. Pyrite associated within the biotite bands. Strong amount of chlorite after 221 m					Foliation	207.8	30	12		1095606	187	188	1	0.011	1-5% sulfides locally	
					Foliation	220.06	30	335		1095607	188	189	1	0.009	1-5% sulfides locally	
											1095608	189	190	1	0.01	1-5% sulfides locally
											1095609	190	191	1	0.017	1-5% sulfides locally
											1095611	191	192	1	0.017	1-5% sulfides locally + QP
											1095612	192	193	1	0.011	1-5% sulfides locally + QP
											1095613	193	194	1	0.009	1-5% sulfides locally
											1095614	194	195	1	0.013	1-5% sulfides locally
											1095615	195	196	1	0.009	1-5% sulfides locally
											1095616	196	197	1	0.008	1-5% sulfides locally
											1095617	197	198	1	0.01	1-5% sulfides locally
											1095618	198	199	1	0.011	1-5% sulfides locally
											1095619	199	200	1	0.013	1-5% sulfides locally
											1095621	200	201	1	0.01	1-5% sulfides locally
											1095622	201	202	1	0.01	1-5% sulfides locally
											1095623	202	203	1	0.01	1-5% sulfides locally
											1095624	203	204.5	1.5	0.009	1-2% sulfides locally
											1095625	204.5	206	1.5	0.027	1-2% sulfides locally
											1095626	206	207.5	1.5	0.0025	1-2% sulfides locally
											1095627	207.5	209	1.5	0.005	1-2% sulfides locally
											1095628	209	210.5	1.5	0.0025	1-2% sulfides locally
											1095629	210.5	212	1.5	0.0025	1-2% sulfides locally
											1095631	212	213	1	0.014	1-5% sulfides locally
											1095632	213	214	1	0.01	1-5% sulfides locally
											1095633	214	215	1	0.037	1-5% sulfides locally
											1095634	215	216	1	0.013	1-5% sulfides locally
											1095635	216	217	1	0.01	1-5% sulfides locally
											1095636	217	218	1	0.01	1-5% sulfides locally
											1095637	218	219	1	0.01	1-5% sulfides locally
											1095638	219	220	1	0.011	1-5% sulfides locally
											1095639	220	221	1	0.012	1-5% sulfides locally
											<b>236</b>	<b>256.6</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining
Medium to coarse grained, mottled gabbro; chlorite and biotite rich.																
<b>256.6</b>	<b>261.7</b>	<b>Lean Iron Formation</b>	<b>Banded</b>		Veining	261.41	50	355		1095641	256	257	1	0.015	lean iron formation	
Silicious lean iron formation. Magnetic and banded. Magnetite not visible but felt with scribe.										1095642	257	258	1	0.011	lean iron formation	
										1095643	258	259	1	0.015	lean iron formation	
											1095644	259	260	1	0.061	lean iron formation
											1095646	260	261	1	0.011	lean iron formation
											1095647	261	262	1	0.014	lean iron formation
<b>261.7</b>	<b>273</b>	<b>Gabbro</b>	<b>Granoblastic</b>	<b>Lean Iron Formation</b>						1095648	268	269	1	0.008	Gabbro with 1cm LIF bands	
20 cm Iron Formation from 265.45-265.65, not very magnetic. Gabbro unit is more medium to fine grained.										1095649	269	270.5	1.5	0.007	Gabbro with 1cm LIF bands	
										1095651	270.5	272	1.5	0.0025	Gabbro with LIF, 2% sulphides	
										1095652	272	273	1	0.009	Gabbro with LIF, 2% sulphides	



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
273	309.66	Lean Iron Formation	Banded	Gabbro	Veining	274.85	28	15		1095653	273	274	1	0.02	LIF with Gabbro, 1% sulphides
Intercolated unit composed of lean iron formation and gabbro, 40% LIF, 60% gabbro. Magnetic unit in general. The gabbro is medium to coarse grained. The lean iron formation appears as a lighter, more silicified gabbro and highly magnetic. Sections of LIF					Veining	286.51	35	15		1095654	274	275	1	0.008	LIF with Gabbro, 1% sulphides
					Veining	306.5	35	340		1095655	275	276	1	0.032	LIF with Gabbro, 1% sulphides
										1095656	276	277	1	0.008	LIF with Gabbro, 1% sulphides
										1095657	277	278	1	0.008	LIF with Gabbro, 1% sulphides
										1095658	278	279	1	0.01	LIF with Gabbro, 1% sulphides
										1095659	279	280	1	0.009	LIF with Gabbro, 1% sulphides
										1095661	280	281	1	0.0025	LIF with Gabbro, 1% sulphides
										1095662	281	282.5	1.5	0.005	LIF with Gabbro, 1% sulphides
										1095663	282.5	284	1.5	0.0025	LIF with Gabbro, 1% sulphides
										1095664	284	285	1	0.009	LIF with Gabbro, 1% sulphides
										1095665	285	286	1	0.012	LIF with Gabbro, 1% sulphides
										1095666	286	287	1	0.008	LIF with Gabbro, 1% sulphides
										1095667	287	288	1	0.0025	LIF with Gabbro, 1% sulphides
															LIF with Gabbro, qtz tourmaline veins with
										1095668	300	301	1	0.007	up to 5% py, 1% po
										1095669	301	302.5	1.5	0.01	LIF with Gabbro, 1% sulphides
										1095671	302.5	304	1.5	0.006	LIF with Gabbro, 1% sulphides
										1095672	304	305	1	0.008	LIF with Gabbro, 1% sulphides
										1095673	305	306.5	1.5	0.006	LIF with Gabbro, 1% sulphides
										1095674	306.5	308	1.5	0.008	LIF with Gabbro, blebs of po
										1095675	308	309.5	1.5	0.006	LIF with Gabbro, 1% sulphides
309.66	311	Gabbro	Granoblastic							1095676	309.5	311	1.5	0.007	Gabbro with trace diss. sulphides
Barren gabbro, fine-med. grained.															



# DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size: NQ	Drilling Contractor: Major Drilling	Start Date: 10/18/2020	Azimuth: 178	Grid: NAD83 / UTM zone 15N											
Claim #: 703842	Casing Left in Hole: Yes	End Date: 10/21/2020	Dip: -72	Easting: 682,086											
Core Storage: Murillo	Casing Length (m): 3	Logger: Joe Suk	Act. Depth (m): 311	Northing: 5,683,309											
	Casing Capped: Yes	End Date of Logging: 10/23/2020		Elev. (m): 381.5											
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	2.32	Overburden													
2.32	7.33	Porphyry	Porphyritic												
Poprhyry composed of mostly quartz and sericite. Biotite stringers infilling the fractures. Quartz eyes within the unit, though not visible with the naked eye due to overprinting of the sericite.															
7.33	71	Intermediate Volcanic	Banded		Foliation	16.9	37	15		1095677	20	21.5	1.5	0.056	int volcanic with 1% diss py
Intermediate-mafic volcanic unit with several sections of quartz porphyry from: 12.38-13.19, 17.94-18.48, 24-24.79, 27.64-28.08, 43.08-43.56, 47.05-48.7. The intermediate unit is very soft and composed of biotite and chlorite bands. Silicious around qtz porph															
					Foliation	33.06	32	346		1095678	21.5	23	1.5	0.028	int volcanic
					Veining	43.46	30	25		1095679	23	24.5	1.5	0.012	int volcanic with qp
					Breccia	67.4	55	16		1095681	24.5	26	1.5	0.0025	int volcanic with qp
										1095682	26	27	1	0.01	int vol with qtz vein, 1-2% py+po
										1095683	27	28.5	1.5	0.008	int vol with qp
										1095684	28.5	30	1.5	0.005	int vol with qp
										1095686	30	31	1	0.012	int vol with qp
										1095687	31	32	1	0.0025	int vol with qp
										1095688	32	33	1	0.0025	int vol with qp
										1095689	53	54.5	1.5	0.024	qtz vein with blebs of py
										1095691	66	67	1	0.007	int vol with qtz carb vein and 1% diss py
										1095692	67	68	1	0.0025	int vol with qtz carb vein and 1% diss py
										1095693	68	69	1	0.0025	int vol with qtz carb vein and 1% diss py
										1095694	69	70.5	1.5	0.007	int vol with qtz carb vein and 1% diss py
71	133.73	Gabbro	Granoblastic		Veining	80.07	20	10		1095695	70.5	72	1.5	0.011	int. volcanic with gabbro
Medium to coarse grained gabbro unit. From 79-83.22 there is an albite(?) breccia section with 1% pyrite. The same albite is infilling fractures from 109-111.5(minimal sulphides). From 73-89: 1-2% disseminated sulphides(py+po).															
					Veining	99.12	35	20		1095696	72	73	1	0.056	gabbro with qc veins, trace diss py
					Veining	112.83	40	0		1095697	73	74	1	0.158	gabbro with qc veins, trace diss py
										1095698	74	75	1	0.27	gabbro with qc veins, trace diss py
										1095699	75	76	1	0.129	gabbro with qc veins, 1% diss py
										1095701	76	77	1	0.116	gabbro with qc veins, 1% diss py
										1095702	77	78	1	0.123	gabbro with qc veins, 1% diss py
										1095703	78	79	1	0.261	gabbro with several qc veins and 1-2%
										1095704	79	80	1	0.469	gabbro with albite breccia + py
										1095705	80	81	1	0.171	gabbro with albite breccia + py
										1095706	81	82	1	0.027	albite breccia with 1% py
										1095707	82	83.22	1.22	0.018	albite breccia with 1% py
										1095708	83.22	84.5	1.28	0.708	1% diss py + po
										1095709	84.5	86	1.5	0.02	1% diss py + po
										1095711	86	87.5	1.5	0.011	gabbro shoulder sample
										1095712	87.5	89	1.5	0.0025	1-2% py
										1095713	109	110.5	1.5	0.0025	gabbro with albite fracture fillings
										1095714	110.5	112	1.5	0.005	1% py
										1095715	112	113.5	1.5	0.01	quartz veins, biotite. trace diss py
										1095716	132	133	1	0.01	gabbro with 10% qtz veins, trace py
										1095717	133	133.73	0.73	0.023	diabase
133.73	134.63	Banded Iron Formation	Banded		Bedding	134.2	46	0		1095718	133.73	134.63	0.9	0.0025	banded iron formation with trace py
BIF composed of thin 0.1-0.5 cm bands of magnetite, chlorite, and quartz carb. Very magnetic, minor sulfides with one stringer of pyrite.															



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
134.63	149.7	Gabbro	Granoblastic							1095719	134.63	136	1.37	0.0025	gabbro with trace py
										1095721	136	137	1	0.0025	shoulder
															Medium to coarse grained gabbro.
149.7	246.13	Intermediate Volcanic	Banded	Mafic Volcanic	Veining	152.94	43	345		1095722	149.5	151	1.5	0.0025	shoulder
					Foliation	168.97	40	12		1095723	151	152	1	0.005	2% py
					Foliation	183.76	37	345		1095724	152	153	1	0.007	2% py
					Foliation	197.51	45	13		1095726	153	154.5	1.5	0.0025	shoulder
					Foliation	218.11	44	355		1095727	154.5	156	1.5	0.0025	1% py
					Veining	236.72	35	20		1095728	163	164	1	0.0025	1% py
										1095729	164	165	1	0.0025	semi massive pyrite, 5% and 1 % po
										1095731	165	166	1	0.0025	shoulder
										1095732	185	186	1	0.0025	biotite, qtz, trace py
										1095733	186	187	1	0.0025	1% py
										1095734	187	188	1	0.006	1% py
										1095735	188	189	1	0.0025	2% py
										1095736	189	190	1	0.0025	2% py
										1095737	190	191	1	0.006	2% py
										1095738	191	192	1	0.008	Breccia with trace pyrite
										1095739	192	193	1	0.009	1% py
										1095741	193	194	1	0.0025	1% py
										1095742	194	195	1	0.005	3-5% py
										1095743	195	196	1	0.0025	3-5% py
										1095744	196	197	1	0.005	sericite + 1% py
										1095745	197	198	1	0.005	2% py
										1095746	198	199	1	0.0025	1% py
										1095747	199	200	1	0.0025	1% py
										1095748	200	201	1	0.0025	1% py
										1095749	201	202	1	0.0025	1% py
										1095751	202	203	1	0.0025	1% py
										1095752	203	204	1	0.0025	1% py
										1095753	204	205	1	0.0025	sericite + 1% py
										1095754	205	206	1	0.0025	1% py + po
										1095755	206	207	1	0.0025	trace py
										1095756	207	208	1	0.006	trace py
										1095757	208	209	1	0.0025	1% py + po
										1095758	209	210.5	1.5	0.0025	trace py
										1095759	210.5	212	1.5	0.014	1% py
										1095761	212	213.5	1.5	0.017	1% py
										1095762	213.5	215	1.5	0.0025	1% py
										1095763	215	216.5	1.5	0.0025	1% py
										1095764	216.5	218	1.5	0.0025	1% py
										1095765	218	219.5	1.5	0.0025	1% py
										1095766	219.5	221	1.5	0.0025	1% py
										1095767	221	222.5	1.5	0.0025	1% py
										1095768	222.5	224	1.5	0.0025	1% py
										1095769	224	225	1	0.0025	1% py + strong silica
										1095771	225	226	1	0.0025	1% py + strong silica
										1095772	226	227.2	1.2	0.0025	2% py + 30 cm qtz vein
										1095773	227.2	228	0.8	0.0025	shoulder, trace py
										1095774	228	229.5	1.5	0.0025	1% py
										1095775	229.5	231	1.5	0.0025	1% py
										1095776	231	232.5	1.5	0.0025	1% py
										1095777	232.5	234	1.5	0.0025	1% py



# DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095778	234	235.5	1.5	0.0025 1% py	
										1095779	235.5	237	1.5	0.0025 1% py	
										1095781	237	238.5	1.5	0.0025 1% py	
										1095782	238.5	240	1.5	0.0025 1% py	
										1095783	240	241.5	1.5	0.0025 1% py	
										1095784	241.5	243	1.5	0.0025 1% py	
										1095785	243	244.5	1.5	0.0025 1% py	
										1095786	244.5	246	1.5	0.0025 1% py	
<b>246.13</b>	<b>246.82</b>	<b>Porphyry</b>	<b>Porphyritic</b>												
Silicious unit with thin stringer bands of biotite and chlorite. No sulphides seen.															
<b>246.82</b>	<b>249.2</b>	<b>Intermediate Volcanic</b>	<b>Banded</b>		Veining	248.31	45	20		1095787	246	247.5	1.5	0.005	Quartz Porphyry with quartz veins
Continuation of the same section. 2 2 cm wide biotite bands from 248.9-249. Pyrite associated within around chlorite, biotite bands.															
<b>249.2</b>	<b>271.5</b>	<b>Gabbro</b>	<b>Granoblastic</b>												
Fine-grained gabbro with weak strain.															
<b>271.5</b>	<b>300.5</b>	<b>Lean Iron Formation</b>	<b>Banded</b>	<b>Gabbro</b>	Veining	265.57	47	20		1095789	255	256.5	1.5	0.0025	1% py
Section composed of strongly magnetic and broken Lean Iron Formation and gabbro intercolated together. Ratio of LIF:Gabbro is 20:80. The whole section is weakly-strongly magnetic. Pyrrhotite is common within the entire section, taking second to pyrite.															
					Veining	276.28	35	340		1095791	256.5	258	1.5	0.005	1% py
					Veining	282.82	55	10		1095792	258	259.5	1.5	0.0025	silicious gabbro with trace sulfides
					Veining	296.11	50	355		1095793	259.5	261	1.5	0.0025	2-3% py
										1095794	261	262	1	0.0025	2% py
										1095795	262	263	1	0.0025	diss po+py+mag
										1095796	263	264	1	0.006	diss po+py+mag
										1095797	264	265	1	0.005	diss po+py+mag
										1095798	265	266.5	1.5	0.0025	qtz carbs + 1% po
										1095799	266.5	268	1.5	0.0025	qtz carbs + 1% po
										1095801	268	269.5	1.5	0.0025	1 % py
										1095802	269.5	271	1.5	0.0025	1% py + po
										1095803	271	272.5	1.5	0.0025	1% po, magnetic
										1095804	272.5	274	1.5	0.0025	shoulder
										1095805	279	280	1	0.0025	LIF + po
										1095806	280	281.5	1.5	0.005	1% po+py, magnetic
										1095807	281.5	283	1.5	0.005	qtz, magnetic + 0.5% po
										1095808	292	293	1	0.0025	LIF + 1% po+py
										1095809	293	294	1	0.006	1% py + po
										1095811	294	295	1	0.0025	1-2% po + py
										1095812	295	296	1	0.0025	LIF + qtz vein with py + po
										1095813	296	297.5	1.5	0.005	qtz vein + py and po
										1095814	297.5	299	1.5	0.0025	silicious + 1% po
										1095815	299	300.5	1.5	0.01	qtz carb + po
<b>300.5</b>	<b>311</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining	308.55	35	250		1095816	300.5	302	1.5	0.0025	qtz vein + po
Fine grained gabbro unit with up to 1% diss pyrrhotite locally.															
										1095817	302	303.5	1.5	0.0025	qtz vein + 1% po and py
										1095818	303.5	305	1.5	0.0025	qtz vein + 1% po



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	10/21/2020	Azimuth:	177	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	10/24/2020	Dip:	-61	Eastings:	682,086						
Core Storage:	Murillo	Casing Length (m):	3	Logger:	Joe Suk	Act. Depth (m):	251	Northing:	5,683,309						
		Casing Capped:	Yes	End Date of Logging:	10/26/2020			Elev. (m):	381.5						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	2.32	Overburden													
2.55	48.45	Intermediate Volcanic	Banded	Porphyry											
Sheared int. volcanic unit with bands of biotite and chlorite. Pyrite found associated with these bands and following the foliation. QP from 4.06-5 and 21.35-21.92. Sericite in proximity to the QP. Sericitic fracture filling before FZ.					Veining	19.24	45	12		1095819	11	12	1	0.006	qtz veins, diss trace py
					Veining	26.16	55	340		1095821	12	13.5	1.5	0.0025	shoulder
					Foliation	41.47	45	10		1095822	13.5	15	1.5	0.008	1% py
										1095823	15	16	1	0.015	1% py
										1095824	16	17	1	0.013	diss py and breccia
										1095825	17	18	1	0.0025	1% py
										1095826	18	19	1	0.0025	shoulder
										1095827	19	20	1	0.014	shoulder
										1095828	20	21	1	0.008	qtz veins, diss trace py
										1095829	21	22	1	0.012	sericite + 1% py
										1095831	22	23.5	1.5	0.01	shoulder
										1095832	23.5	25	1.5	0.0025	qtz carb veins, trace py
										1095833	25	26.5	1.5	0.007	qtz veins
										1095834	26.5	28	1.5	0.0025	shoulder
										1095835	28	29.5	1.5	0.007	shoulder
										1095836	29.5	31	1.5	0.011	shoulder
										1095837	31	32	1	0.012	qtz veins + 1% py and tourmaline
										1095838	32	33.5	1.5	0.005	qtz veins + 1% py and tourmaline
48.45	50	Fault Zone								1095839	48	49	1	0.0025	fault zone, 1% py
Fractured, with carbonate, silica, and chlorite healing. Many natural fractures.										1095841	49	50	1	0.0025	fault zone
50	68.85	Intermediate Volcanic	Banded	Lean Iron Formation	Veining	52.4	40	335		1095842	50	51	1	0.098	sericite + qtz veins
Albite and sericite fracture filling after FZ, Albitization dies @ 63.3 m. @ 64m: Lenses of Lean Iron Formation up to 40 cm wide, very magnetic.					Veining	57.06	47	12		1095843	51	52	1	0.008	sericite + qtz veins
					Veining	68.42	45	0		1095844	52	53	1	0.0025	1% py + qtz
										1095846	53	54	1	0.0025	qtz veins
										1095847	54	55.5	1.5	0.022	albit + sericite + qtz
										1095848	55.5	57	1.5	0.022	albit + sericite + qtz
										1095849	57	58	1	0.438	5% py + po
										1095851	58	59	1	0.042	shoulder
										1095852	59	60.5	1.5	0.007	albite + sericite
										1095853	60.5	62	1.5	0.028	1% py + magnetite
										1095854	62	63	1	1.58	1% po + py
										1095855	63	64	1	0.0025	sericite
										1095856	64	65	1	0.0025	sericite
										1095857	65	66	1	0.026	LIF + 2% py
68.85	99.2	Gabbro	Granoblastic	Int Volcanic						1095858	98	99	1	0.007	shoulder
Medium-grained(classic) gabbro until 78 meters and then becomes coarser and more blobby. Int. volcanic unit from 84.2-85.8. Gabbro is weakly foliated. Diabase dyke from 93.75-94.4. Barren.															
99.2	100.46	Banded Iron Formation	Banded	Gabbro	Veining	99.48	40	340		1095859	99	100.5	1.5	0.0025	BIF + 1% py+po
Two banded iron formation with a 33cm section of gabbro between. The bands are 0.1-1 cm thick and composed of magnetite, chert, and chlorite bands. 1 qc veins running parrallel to BIF and one along core axis with pyrite within it.															



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
100.46	112.75	Gabbro	Granoblastic							1095861	100.5	102	1.5	0.0025	shoulder
Same medium-grained gabbro as before, barren. Some qc veins running parrallel to core axis. Most quartz veins sub parrallel to foliation and wide(5-10 cm). Up to 10% pyrrhotite for 10 cm near lower contact, fracture infilling.															
112.75	190	Intermediate Volcanic	Banded		Foliation	117.08	45	20		1095862	121.5	122.75	1.25	0.006	3% po
Light grey to dark, greenish gray . Bands of chlorite and biotite. Silicious and pyrite rich near lower contact. Up to 30% pyrrhotite + py from 128.3-128.4 related to silicious, carbonate flooding. Small breccia zone from 134.95-135.15: sericitic and silica															
					Foliation	123.66	50	350		1095863	122.75	124	1.25	0.016	3% py
					Veining	130.15	35	10		1095864	124	125	1	0.0025	1% py
					Foliation	143.4	55	350		1095865	125	126	1	0.005	qtz veins + 1% po
					Veining	160.69	45	20		1095866	126	127	1	0.0025	shoulder
					Foliation	183.62	50	340		1095867	127	128	1	0.005	shoulder
										1095868	128	129	1	0.006	5% po + py
										1095869	129	130	1	0.0025	qtz + biotite + 1% py
										1095871	130	131.5	1.5	0.0025	qtz veins
										1095872	131.5	133	1.5	0.0025	qtz veins + trace diss py
										1095873	142	143.5	1.5	0.005	shoulder
										1095874	143.5	145	1.5	0.006	shoulder
										1095875	145	146.5	1.5	0.006	sericite + 1% py
										1095876	146.5	148	1.5	0.0025	vuggy qtz vein + 1 % py
										1095877	148	149	1	0.009	2% py
										1095878	149	150	1	0.0025	2% py
										1095879	150	151	1	0.0025	2% py
										1095881	151	152.5	1.5	0.005	1% py
										1095882	152.5	154	1.5	0.0025	1% py
										1095883	154	155	1	0.0025	sericite + trace py
										1095884	155	156	1	0.006	sericite + 2% py
										1095886	156	157.5	1.5	0.0025	sericite
										1095887	157.5	159	1.5	0.01	sericite
										1095888	159	160.5	1.5	0.0025	shoulder
										1095889	160.5	162	1.5	0.029	qc veins + 1% py
										1095891	162	163.5	1.5	0.026	1% py
										1095892	163.5	165	1.5	0.0025	shoulder
										1095893	165	166.5	1.5	0.0025	qc veins + 1% py
										1095894	166.5	168	1.5	0.0025	shoulder
										1095895	168	169	1	0.0025	qc veins
										1095896	169	170	1	0.005	2% py
										1095897	170	171	1	0.0025	1% py
										1095898	171	172	1	0.008	1% py
										1095899	172	173	1	0.0025	trace py
										1095901	173	174	1	0.0025	1% py
										1095902	174	175	1	0.0025	2% py
										1095903	175	176	1	0.0025	1% py + po
										1095904	176	177	1	0.0025	1% py + po
										1095905	177	178.5	1.5	0.0025	1% py + po
										1095906	178.5	180	1.5	0.0025	shoulder
										1095907	180	181.5	1.5	0.0025	shoulder
										1095908	181.5	183	1.5	0.0025	shoulder
										1095909	183	184.5	1.5	0.0025	shoulder
										1095911	184.5	186	1.5	0.0025	1% po + py
										1095912	186	187	1	0.0025	shoulder
										1095913	187	188.5	1.5	0.0025	silicious
										1095914	188.5	190	1.5	0.0025	silicious



### DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
<b>190</b>	<b>237.23</b>	<b>Gabbro</b>	<b>Granoblastic</b>	<b>Lean Iron Formation</b>	Veining	195.72	60	20		1095915	190	191.5	1.5	0.01	shoulder
Coarse grained to medium grained to fine grained gabbro unit, pretty well mineralized with pyrrhotite mostly and minimal pyrite. Magnetic remnant of a LIF from 203.8-204.2. Pyrrhotite infilling around chlorite bands and qc veins. Light grey, broken LIF					Veining	216.15	55	30		1095916	191.5	193	1.5	0.007	shoulder + epidote
					Veining	218.15	40	335		1095917	193	194.5	1.5	0.0025	shoulder
					Veining	236.26	55	350		1095918	194.5	196	1.5	0.008	qtz carb veins
										1095919	196	197.5	1.5	0.0025	2% po
										1095921	197.5	199	1.5	0.0025	trace po
										1095922	199	200	1	0.0025	1% po
										1095923	200	201	1	0.005	3% po
										1095924	201	202	1	0.0025	2% po + 1% py
										1095926	202	203	1	0.015	1% po
										1095927	203	204	1	0.012	LIF with trace po
										1095928	204	205	1	0.078	1% py + po
										1095929	205	206	1	0.012	1% po
										1095931	206	207	1	0.012	1% py + po
										1095932	216	217	1	0.005	qtz veins + trace py
										1095933	217	218	1	0.0025	qtz veins + 1% py
										1095934	218	219	1	0.052	qtz veins + py + po
					1095935	219	220	1	0.011	qtz veins + 1% py					
					1095936	220	221.5	1.5	0.005	qtz veins + trace py					
					1095937	221.5	223	1.5	0.0025	qtz veins + trace py					
					1095938	236	237.23	1.23	0.0025	qtz veins + trace py					
<b>237.23</b>	<b>238.21</b>	<b>Lean Iron Formation</b>	<b>Banded</b>	<b>Gabbro</b>						1095939	237.23	238.21	0.98	0.0025	LIF
Lean iron formation(same as the remnants above) Very magnetic and silicious, broken bands of magnetite and chlorite throughout the unit. Barren.															
<b>238.21</b>	<b>251</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining	247.56	50	340		1095941	238.21	239.5	1.29	0.008	qc veins + sericite
Fine grained gabbro with 1-3 cm wide chlorite bands. Barren. EOH.															





## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	10/24/2020	Azimuth:	180	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	10/25/2020	Dip:	-45	Eastings:	682,086						
Core Storage:	Murillo	Casing Length (m):	3	Logger:	Joe Suk	Act. Depth (m):	200	Northing:	5,683,309						
		Casing Capped:	Yes	End Date of Logging:	10/27/2020			Elev. (m):	381.5						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	3.17	Overburden													
3.17	55.27	Intermediate Volcanic	Banded		Foliation	12.31	55	15		1095942	8	9	1	0.005	qtz + bio + trace py
Intermediate-mafic volcanic unit composed of bands of biotite and chlorite within a very fine grained dark greenish gray host. Spotty sericitization in the first 24 meters. Carbonate rich from 8-17 meters, white chalky appearance. Albitization from 44-49															
					Foliation	28.52	60	12		1095943	9	10	1	0.0025	trace py + silica
					Veining	50.32	55	22		1095944	10	11	1	0.005	silica
										1095945	11	12	1	0.023	qc veins + trace py
										1095946	12	13	1	0.006	qc veins
										1095947	13	14	1	0.0025	silica
										1095948	14	15	1	0.007	silica
										1095949	15	16	1	0.006	sericite + qc veins
										1095951	16	17	1	0.012	1% py
										1095952	17	18	1	0.012	qc veins
										1095953	18	19	1	0.0025	qc veins + trace py
										1095954	38	39	1	0.0025	silicious + 1% py
										1095955	39	40.5	1.5	0.008	silicious + 1% py
										1095956	40.5	42	1.5	0.007	shoulder
										1095957	42	43	1	0.011	shoulder
										1095958	43	44	1	0.006	qc veins
										1095959	44	45	1	0.138	albite + trace py
										1095961	45	46	1	0.045	qc veins + albite + 1% py
										1095962	46	47	1	0.009	1% py
										1095963	47	48	1	0.016	1% py + qc veins
										1095964	48	49	1	0.0025	silica + trace py
										1095966	49	50	1	0.0025	shoulder
										1095967	50	51	1	0.0025	silica
										1095968	51	52	1	0.007	2% py
55.27	75	Gabbro	Granoblastic	Intermediate	Veining	66.71	60	30							
Blobby, coarse-grained gabbro unit with a small section of int. vol from 57.65-59.58.															
75.6	100.1	Gabbro	Granoblastic	Intermediate	Foliation	75.45	60	350		1095969	74.96	75.65	0.69	0.035	BIF
Medium-coarse grained gabbro, barren. Banded int. volcanic unit from 95.5-96.3. From 96.3-100.1: the gabbro is very fine-grained(mafic dyke?).															
100.1	151.2	Intermediate Volcanic	Banded		Veining	105.61	65	15		1095971	100.1	101	0.9	0.005	5% py + po
Classic-looking int. volcanic unit with 0.1-1cm wide bands of chlorite and biotite. @100.6-100.65m: dense fracture filled pyrite and pyrrhotite within a carbonate vein, some biotite found rimming the sulfides. Sericite rich from 113.8-122.3, fracture infilling															
					Foliation	117.4	65	20		1095972	101	102	1	0.007	1% py
					Foliation	134.11	65	20		1095973	102	103	1	0.0025	1% py
										1095974	103	104	1	0.007	silicious + trace py
										1095975	115	116	1	0.01	1% py
										1095976	116	117	1	0.0025	1% py + sericite
										1095977	117	118	1	0.01	1% py
										1095978	118	119	1	0.006	2% py



### DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
										1095979	119	120	1	0.005	4% py
										1095981	120	121	1	0.007	2% py
										1095982	121	122	1	0.0025	silicious + trace py
										1095983	122	123	1	0.0025	sericite + trace py
										1095984	123	124	1	0.0025	1% py
										1095985	124	125	1	0.0025	silicious + trace py
										1095986	125	126	1	0.0025	silicious + trace py
<b>151.2</b>	<b>172.22</b>	<b>Gabbro</b>	<b>Granoblastic</b>	<b>Lean Iron Formation</b>	Veining	155.28	65	5							
Medium to fine-grained gabbro unit, no clear contact(absence of biotite and chlorite bands). Weak-moderate strain near upper and lower contacts, weak strain(foliation) throughout. Fragment of magnetic, silicious LIF from 166.75-167.2m.					Veining	161.66	70	20		1095987	166.75	167.75	1	0.0025	LIF
<b>172.22</b>	<b>173.85</b>	<b>Lean Iron Formation</b>	<b>Banded</b>							1095988	172.22	173	0.78	0.0025	LIF
Silicious LIF with visibile subhedral magnetite grains. Strongly foliated. Barren.										1095989	173	173.85	0.85	0.0025	LIF
<b>173.85</b>	<b>200</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining	184.71	55	10							
Fine-medium grained gabbro unit. Silicious till 191.5m. Unit is relatively magnetic. Barren.					Veining	196.88	50	348							



# DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	11/18/2020	Azimuth:	187	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	No	End Date:	11/18/2020	Dip:	-85	Easting:	682,475						
Core Storage:	Murillo	Casing Length (m):	9	Logger:	Joe Suk	Act. Depth (m):	20	Northing:	5,683,266						
		Casing Capped:	No	End Date of Logging:	11/19/2020			Elev. (m):	379.5						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	8.4	Overburden													
8.4	20	Gabbro	Granoblastic												
Classic style gabbro with 5% qtz veins. Hole abandoned at 20 meters as casing deflected off large boulder and azimuth/dip off.															



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	11/19/2020	Azimuth:	204	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	Yes	End Date:	11/23/2020	Dip:	-86	Eastings:	682,475						
Core Storage:	Murillo	Casing Length (m):	9	Logger:	Joe Suk	Act. Depth (m):	380	Northing:	5,683,266						
		Casing Capped:	Yes	End Date of Logging:	11/25/2020			Elev. (m):	379.5						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	8.4	Overburden													
8.4	65.5	Gabbro	Granoblastic		Foliation	20.13	20	340		1096151	61.4	62	0.6	0.008	20 cm qtz vein with bleb of cp
Medium-grained, classic-style gabbro with some sections exhibiting moderate to strong shearing. The majority of the the unit shows a lack of foliation. Quartz-carb veins running throughout, ranging from thin(0.5cm) to thick(20 cm) veins.															
65.5	74.5	Intermediate Volcanic	Banded		Veining	35.4	35	0							
Int. Volcanic unit with thin (0.5 cm) bands of biotite, strong foliation. Gradual contact with the next gabbro unit.															
74.5	97.43	Gabbro	Granoblastic		Foliation	49.8	16	340							
Coarse-grained gabbro, patchy.															
97.43	98	Banded Iron Formation	Banded		Veining	61.85	35	330							
Small BIF, with local micro folded bands of magnetite and chert. Thin stringers of pyrite within the unit.															
98	136	Gabbro	Granoblastic	Fault Zone	Veining	72.2	20	345		1096152	94	95	1	0.0025	shoulder
Fine-grained															
					Veining	72.2	20	345		1096153	95	96	1	0.0025	shoulder
					Veining	97.25	30	345		1096154	96	97.43	1.43	0.007	1% diss. Py
					Veining	97.25	30	345		1096155	97.43	98	0.57	0.01	BIF with 2% py
					Veining	108.82	35	310		1096156	98	99	1	0.0025	shoulder
					Veining	121.32	15	335		1096157	106	107	1	0.0025	gabbro with qv + py
										1096158	107	108	1	0.0025	gabbro with qv + py
										1096159	108	109	1	0.0025	gabbro with qv + py
										1096161	109	110	1	0.0025	gabbro with qv + py
										1096162	110	111	1	0.0025	gabbro with qv + py
										1096163	111	112	1	0.0025	gabbro with qv + py
										1096164	112	113	1	0.0025	gabbro with qv + py
										1096166	113	114	1	0.005	gabbro with qv + py
										1096167	114	115	1	0.0025	gabbro with qv + py
										1096168	126	127	1	0.0025	shoulder
										1096169	127	128	1	0.008	FZ with 3-5% py
										1096171	128	129	1	0.0025	fz + py
										1096172	129	130	1	0.01	hematite + py
										1096173	130	131	1	0.01	hematite + py
										1096174	131	132	1	0.007	shoulder
136	161.3	Intermediate Volcanic	Banded		Veining	143.8	30	350		1096175	144	145.5	1.5	0.01	qc veins
Well foliated unit with thin bands of biotite, chlorite, and qc veins within the grey, massive host. After 146.5, the core is broken up and blocky. Fluid injection from 147-151: hematite staining throughout, epidote in and around 2 5cm wide qc veins.															
					Veining	149.7	23	350		1096176	145.5	147	1.5	0.0025	qc veins
										1096177	147	148	1	0.0025	qc veins + epidote
										1096178	148	149	1	0.0025	qc + epidote + tourmaline
										1096179	149	150	1	0.0025	shoulder
										1096181	150	151	1	0.0025	shoulder
161.3	176	Fault Zone			Veining	164.82	80	295	Fault contact	1096182	164	165	1	0.008	FZ
Fault zone which begins with 2 meters of crumbly rock and gouge. The zone is more															
					Foliation	165.13	25	348		1096183	165	166	1	0.0025	FZ



## DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
competent for 6 meters and has abundant hematite staining. Zone has some minor 1-2 cm brecciated sections with carbonate infilling. Carbonate stringers throughout section.					Foliation	174.82	35	345		1096184	166	167	1	0.0025 FZ	
										1096185	167	168	1	0.0025 FZ	
										1096186	168	169	1	0.005 FZ	
										1096187	169	170	1	0.005 FZ	
										1096188	170	171	1	0.0025 FZ	
										1096189	171	172	1	0.0025 FZ	
										1096191	172	173	1	0.0025 FZ	
										1096192	173	174	1	0.005 FZ	
										1096193	174	175	1	0.0025 FZ	
										1096194	175	176	1	0.008 FZ + py	
<b>176</b>	<b>235</b>	<b>Intermediate Volcanic</b>	<b>Banded</b>		Veining	180.2	25	340		1096195	176	177	1	0.005 Shoulder	
Continuation of the prior IV unit. Minor hematite staining occurring in the 3 meters after the fault zone. Tourmaline more common in this unit and is found associated with qc veins. Less hematite staining and more silicious, quartz appears porphyritic.					Veining	188.5	15	40		1096196	177	178	1	0.005 Shoulder	
					Veining	198.09	25	345		1096197	178	179	1	0.016 1-2% py	
					Foliation	210.17	24	350		1096198	179	180	1	0.0025 Shoulder	
					Veining	225.56	30	15		1096199	180	181	1	0.0025 Shoulder	
										1096201	192	193	1	0.006 qvs + biotite + pyrite	
										1096202	193	194	1	0.007 qvs + biotite + pyrite + tourmaline	
										1096203	194	195	1	0.01 silica + py	
										1096204	195	196	1	0.014 2% py + po	
										1096206	196	197	1	0.0025 py + po	
										1096207	197	198	1	0.014 silicious + py	
										1096208	198	199	1	0.01 qvs + py	
										1096209	199	200	1	0.007 po + py	
										1096211	200	201	1	0.007 po + py	
										1096212	201	202	1	0.0025 shoulder	
										1096213	226	227	1	0.007 shoulder	
										1096214	227	228	1	0.008 qv + py	
										1096215	228	229	1	0.01 silica + chlorite	
										1096216	229	230	1	0.005 quartz veins	
										1096217	230	231	1	0.0025 silicious + py	
										1096218	231	232	1	0.0025 quartz veins	
										1096219	232	233	1	0.006 quartz veins	
										1096221	233	234	1	0.005 quartz veins + py	
										1096222	234	235	1	0.011 silica + biotite	
<b>235</b>	<b>237</b>	<b>Fault Zone</b>								1096223	235	236	1	0.005 FZ	
Similar looking fault with hematite staining occurring throughout. 0.8 meters of fault gouge, soft chlorite found along fractured surfaces. No sulphides within zone.										1096224	236	237	1	0.006 FZ	
<b>237</b>	<b>272.8</b>	<b>Intermediate Volcanic</b>	<b>Banded</b>		Foliation	239.6	25	20		1096225	237	238	1	0.005 qv + py	
Similar to the unit above the fault zone. From 238.1-238.9m there is a large quartz-tourmaline vein with large 1-3cm breccia blocks of tourmaline within the quartz and chlorite infilling between the tourmaline fragments.					Foliation	266.91	25	355		1096226	238	239	1	0.006 qv + breccia + py and po	
										1096227	269	270	1	0.01 qtz veins + py and po	



### DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
<b>272.8</b>	<b>299.5</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Foliation	277.65	25	8		1096228	285.18	285.39	0.21	0.018	qtz-tourmaline vein + chl. + 3% py
Medium-coarse grained gabbro unit. From 285.2-285.4: qtz-tourmaline vein with 3% py and 1% po associated around dendritic chlorite. The same occurs at 293.5-293.65, a qtz-tourmaline vein with chlorite fracture filling and 2% py + po.					Veining	292.08	45	340		1096229	293.47	293.89	0.42	0.008	qtz-tourmaline vein + chl. + py
<b>299.5</b>	<b>331.62</b>	<b>Lean Iron Formation</b>	<b>Banded</b>	<b>Int Volcanic</b>	Foliation	302.86	20	340	Within LIF	1096231	299.5	301	1.5	0.016	LIF
Garnetiferous LIF until 326.5m. The garnets are pink in colour (potentially Almandine). Magnetic and lighter grey in colour. QC veinlets and 2-10 cm veins common throughout. Chlorite commonly rimming qc veins. Spotty, minimal sulfides					Veining	310.15	45	340		1096232	301	302	1	0.006	LIF
					Veining	320.32	25	0		1096233	302	303	1	0.014	LIF
					Foliation	330.05	30	350		1096234	303	304	1	0.338	LIF + qtz vein + py/po
										1096235	304	305.5	1.5	0.0025	LIF
										1096236	305.5	307	1.5	0.0025	LIF
										1096237	307	308.5	1.5	0.0025	LIF
										1096238	308.5	310	1.5	0.0025	LIF
										1096239	310	311.5	1.5	0.0025	LIF
										1096241	311.5	313	1.5	0.0025	LIF
										1096242	313	314.5	1.5	0.0025	LIF
										1096243	314.5	316	1.5	0.0025	LIF
										1096244	316	317.5	1.5	0.0025	LIF
										1096246	317.5	319	1.5	0.0025	LIF
										1096247	319	320	1	0.058	LIF, silica + py
										1096248	320	321	1	0.005	LIF + qtz vein
										1096249	321	322	1	0.0025	LIF
					1096251	322	323	1	0.0025	LIF shoulder					
					1096252	328	329	1	0.773	py + po stringers					
					1096253	329	330	1	0.045	shoulder					
					1096254	330	331	1	0.12	LIF + qv					
<b>331.62</b>	<b>380</b>	<b>Gabbro</b>	<b>Granoblastic</b>	<b>Lean Iron Formation</b>	Contact	350.41	25	342	Contact of LIF	1096255	331	332	1	0.006	LIF + py
Magnetic, fine-grained gabbro unit with intermixed 0.05-1.8m sections of broken/healed lean iron formation. The gabbro itself has small amounts of magnetite within the matrix. Quartz carb. veins common throughout section, most rimmed by bands of chlorite					Veining	367.13	40	355		1096256	347.3	348.3	1	0.0025	LIF
					Veining	374.66	25	0		1096257	348.3	349.3	1	0.005	LIF
										1096258	374	375	1	0.009	Gab + 30cm qv + py/po



# DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	11/24/2020	Azimuth:	180	Grid:	NAD83 / UTM zone 15N						
Claim #:	703842	Casing Left in Hole:	No	End Date:	11/24/2020	Dip:	-90	Easting:	682,475						
Core Storage:	Murillo	Casing Length (m):	9	Logger:	Joe Suk	Act. Depth (m):	44	Northing:	5,683,266						
		Casing Capped:	No	End Date of Logging:	11/25/2020			Elev. (m):	379.5						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	8.68	Overburden													
8.68	44	Gabbro	Granoblastic	Int Volcanic											
Medium-grained gabbro unit with an intermediate flow from 13.1-14.9m. More chloritic from 28-32m. Qtz carb veins common throughout. Hole abandoned.															



## DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	11/28/2020	Azimuth:	178	Grid:	NAD83 / UTM zone 15N						
Claim #:	292066	Casing Left in Hole:	Yes	End Date:	11/29/2020	Dip:	-45	Easting:	682,711						
Core Storage:	Murillo	Casing Length (m):	30	Logger:	Joe Suk	Act. Depth (m):	140	Northing:	5,683,257						
		Casing Capped:	Yes	End Date of Logging:	12/1/2020			Elev. (m):	377						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	29.2	Overburden													
29.2	57.5	Intermediate Volcanic	Banded		Foliation	28.2	60	25		1096259	56	57	1	0.008	1 cm vuggy pyrite vein with minimal carbonate fracture fillings
					Foliation	53.33	45	25							
Well foliated int. volcanic, grey-green in colour. Broken in many sections and abundant in microfractures. Broken section from 43-47m. Fractures infilled by carbonate and chlorite. Rare 0.5 cm bands of pyrite: one occurring @ 41.3m and 56.8m.															
57.5	69.76	Fault Zone													
FZ characterized by fault gouge and soft fractured rock. The zone has hematite staining infilling from carbonate fractures. The original rock is the same int. volcanic unit above. Sections of 1-5 cm breccia. The unit is heavily chloritized.															
69.76	89.35	Gabbro	Granoblastic		Veining	73.39	45	335		1096261	84	85.5	1.5	0.01	tour + py
Coarse-grained, weakly foliated gabbro unit. Begins with 4 meters of sheared gabbro with small sections with hematite staining. Minor amounts of 1-5cm wide qc veins. No apparent sulfides.															
89.35	97.67	Lean Iron Formation	Banded		Veining	95.11	65	40		1096262	85.5	87	1.5	0.0025	gab shoulder
Light-grey, sheared LIF. Starts as a broken/healed unit with a gradual contact out of the gabbro and transitions into a more consistently banded unit Coarse-grained pinkish-red garnets within chlorite bands occurring at 92.1 till 92.5 m.															
										1096263	87	88.5	1.5	0.0025	shoulder
										1096264	88.5	89.5	1	0.02	1% po
										1096265	89.5	91	1.5	0.02	LIF + 2% py
										1096266	91	92	1	0.013	LIF + 2% py + po
										1096267	92	93	1	0.298	LIF + py + po
										1096268	93	94	1	0.212	LIF + py + po
										1096269	94	95	1	0.212	LIF
										1096271	95	96	1	0.168	LIF + py
										1096272	96	97	1	0.513	LIF + py
										1096273	97	98	1	4.38	LIF + 5% po
										1096274	98	99	1	3.08	5% py + po
										1096275	99	100	1	1.13	1% sulfides
97.67	100.74	Intermediate Volcanic	Banded	Lean Iron Formation											
Strongly foliated and banded int. volcanic unit composed of bands of biotite, chlorite and carbonate; moderate amount of qtz veining. Gradual contact between the LIF unit above. 1-3 cm sections of LIF found within the unit as well. Two 1cm py+po bands															
100.74	130.42	Gabbro	Granoblastic		Veining	129.35	65	40		1096276	100	101.5	1.5	0.006	IV shoulder
Fine-grained, moderately foliated gabbro unit with common qc veinlets throughout. From 120.6-121.5: qc + chlorite injection.															
										1096277	101.5	103	1.5	0.0025	IV shoulder
										1096278	103	104	1	0.0025	IV shoulder
										1096279	104	105	1	0.007	IV shoulder
										1096281	105	106	1	0.023	1% py + carb.
										1096282	106	107	1	0.0025	gab shoulder
										1096283	119	120	1	0.01	carb veins
										1096284	120	121	1	0.01	carb veins
										1096286	121	122	1	0.011	injection + carb.
										1096287	122	123.5	1.5	0.006	qtz carb veins
										1096288	123.5	125	1.5	0.0025	gab shoulder
										1096289	125	126.5	1.5	0.0025	gab shoulder





# DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
<b>130.42</b>	<b>133.45</b>	<b>Intermediate Volcanic</b>	<b>Banded</b>							1096291	126.5	128	1.5	0.0025	gab shoulder
Similar to the IV unit above. Thinner bands and unapparent sulfides.										1096292	128	129	1	0.0025	gab shoulder
										1096293	129	130	1	0.006	shoulder + qc veins
										1096294	130	131	1	0.018	shoulder
										1096295	131	132	1	0.011	shoulder
										1096296	132	133	1	0.016	shoulder
<b>133.45</b>	<b>140</b>	<b>Gabbro</b>	<b>Granoblastic</b>		Veining	135	65	0		1096297	133	134	1	0.068	shoulder
Coarse-grained gabbro, no foliation. Barren.															



# DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	11/30/2020	Azimuth:	180	Grid:	NAD83 / UTM zone 15N						
Claim #:	292066	Casing Left in Hole:	Yes	End Date:	12/1/2020	Dip:	-65	Easting:	682,711						
Core Storage:	Murillo	Casing Length (m):	33	Logger:	Joe Suk	Act. Depth (m):	77	Northing:	5,683,257						
		Casing Capped:	Yes	End Date of Logging:	12/2/2020			Elev. (m):	377						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	Sample ID	From (m)	To (m)	Length (m)	Au (g/t)	Sample Comments
0	25.75	Overburden													
Composed of glacial till and granite boulders.															
25.75	30.58	Intermediate Volcanic	Banded							1096298	29	30	1	0.0025	shoulder
Dark greenish-gray, well-foliated and thinly banded unit. Minor carbonate veining and hematite staining. One 10cm quartz vein from 29.85-29.95.															
30.58	31.19	Banded Iron Formation	Banded							1096299	30	31	1	0.0025	BIF
BIF composed of 0.1-0.3 cm wide bands of magnetite, chert, and chlorite. Pyrite and pyrrhotite stringers within carbonate/chlorite fractures and following the foliation.															
31.19	44.21	Gabbro	Granoblastic		Veining	35	40	340		1096302	32	33.5	1.5	0.0025	gab shoulder
Sheared gabbro unit composed of a typical gabbro matrix with a moderate amount of biotite and carbonate. Two 10 cm quartz veins from 38-40 m. Pyrite associated within some of the biotite bands, also found disseminated throughout.															
										1096303	33.5	35	1.5	0.0025	gab shoulder
										1096304	35	36.5	1.5	0.0025	gab + py
										1096305	36.5	38	1.5	0.0025	gab with qc veins
										1096306	38	39	1	0.0025	qv with py
										1096307	39	40	1	0.0025	qv with py
										1096308	40	41.5	1.5	0.0025	shoulder
										1096309	41.5	43	1.5	0.0025	carbonate veins
										1096311	43	44	1	0.0025	py bands
										1096312	44	45	1	0.0025	shoulder
										1096313	45	46	1	0.0025	silicious IV
										1096314	46	47.5	1.5	0.0025	silicious IV
										1096315	47.5	49	1.5	0.0025	carbonate veins
										1096316	49	50.5	1.5	0.0025	injection
										1096317	50.5	52	1.5	0.0025	silicious IV
										1096318	52	53.5	1.5	0.0025	carbonate veins
										1096319	53.5	55	1.5	0.0025	qv
										1096321	55	56.5	1.5	0.006	silicious IV
										1096322	56.5	58	1.5	0.0025	silicious IV
										1096323	58	59.5	1.5	0.011	silicious IV
										1096324	59.5	61	1.5	0.005	
										1096326	61	62.5	1.5	0.0025	shoulder
										1096327	62.5	64	1.5	0.0025	shoulder
										1096328	64	65	1	0.0025	qv + tourmaline + py
										1096329	65	66.5	1.5	0.0025	shoulder
										1096331	66.5	68	1.5	0.0025	qv + tourmaline + py
										1096332	68	69.5	1.5	0.005	qv + tourmaline + py
										1096333	69.5	71	1.5	0.006	shoulder



# DRILL LOG REPORT

<b>Hole Size:</b> NQ	<b>Drilling Contractor:</b> Major Drilling	<b>Start Date:</b> 3/8/2021	<b>Azimuth:</b> 180	<b>Coordinates</b>	
<b>Claim #:</b> 292066	<b>Casing Left in Hole:</b> No	<b>End Date:</b> 3/10/2021	<b>Dip:</b> -70	<b>Grid:</b> NAD83 / UTM Z 15N	
<b>Core Storage:</b> Murillo	<b>Casing Capped:</b> No	<b>Date Logged:</b> 3/12/2021	<b>Act. Depth (m):</b> 144.37	<b>Easting:</b> 682,743	
		<b>Logger:</b> Rory Krockner, Dorian Chamale		<b>Northing:</b> 5,683,260	
				<b>Elev. (m):</b> 377.4	

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
0	41	<b>Overburden</b>											
41 meters of overburden, abundant boulders.													
41	60.13	<b>Intermediate Volcanic</b>	Foliation	46.9	53	28		41	48.25	759001	59	60.13	0.009
Intermediate volcanic, fine to medium grained, strongly foliated with patchy chlorite, mm scale biotite layers intercalated with hornblende. Local mm to cm scale quartz-carbonate veins, typically parallel to foliation, locally crosscut foliation. Moderate to strong pervasive chlorite alteration with vein controlled carbonate and local vein hosted K-spar													
			Contact	48.25	50	15	Contact measurement	Trace disseminated pyrite as well as fracture fill accompan carb veinlets.					
			Fold Axis	48.75	47		Z-fold axis noted with up to 10cm in the kink (offset).	48.25	49				
			Foliation	52.95	60			Fractured upper contact with 1% disseminated and fol parallel pyrite localized to some layers.					
			Vein	56.01	65	196	Discordant wavy/irregular qtz-act-chl vein is cut off by following fault.						
			Fault	56.07	72	35	Tachylite filled fault less than 4mm is translucent green (glassy) with trace v.f. grains of wallrock inside. Cuts off cm-scale discordant vein above as well as main regional foliation.	49	60.13	Trace disseminated and fracture fill py.			
			Foliation	56.12	55	18							
			Vein	56.49	67	40							
			Vein	57.3	55	16	Zone of increased cm sized veining. Commonly concordant to foliation to oblique; chl alteration halos						
			Foliation	57.5	55								
			Contact	60.13	57								
60.13	67.9	<b>Intermediate to Felsic Volcanic</b>	Foliation	61.95	57	10		60.13	67.9	759002	60.13	61	0.005
Intermediate to felsic crystal tuff intercalated with <25 cm c.g. mafic dyke. Variable layering (10-60 cm) of subhedral 1-4 mm plag crystals, resembling a porphyry but with poor sorting and at times showing jig-saw volcanoclastic texture, in a f.g. matrix													
			Vein	63.7	55	15	1 cm clear vein with ser-sil alteration halo <1cm	Moderate foliation parallel blebs of Py and Po grains. Increasing mineralization in and around veins and associated with intense sil-bio alteration.					
			Vein	63.75	55	15	2cm clear quartz vein shows chl-ank alteration at core and in fractures; cut by pseudotachylite filled fault fracture and increasing Py-Po mineralization in silicified wallrock.	759003 61 62 0.006 759004 62 63 0.0025 759005 63 64 0.009 759006 64 65 0.0025 759007 65 66 0.0025					
			Fault	63.78	55	15	Pseudotachylite filled mm fracture fault at contact of qrtz vein exhibiting tension gash cutting up across vein (dark green-black chl infill). Notable mineralization replacing bio, exhibited below alongside increased silicification.	759008 66 67 0.005 759009 67 67.9 0.0025					
			Vein	64	55	15	Several <2cm.						
			Foliation	64.92	58	13							
			Contact	67.9	65								
67.9	76.05	<b>Mafic Volcanic</b>						67.9	76.05	759011	67.9	69	0.005
Very fine to f.g. mafic volcanic (basalt) intercalated with <15cm layers of intermediate-mafic crystal tuffs as described above (possibly fragments). Shallow to parallel TCA Carb-py+-hem veinlets with <2cm chl-cb alteration halos (bleached). Patchy chl													
								Trace fracture filled Py together with chl-carb veinlets					
								759012 69 70 0.0025					



## DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)		
								From (m)	To (m)						
<b>76.05</b>	<b>83.07</b>	<b>Intermediate to Felsic Volcanic</b>	Vein	77.18	42	90		<b>76.05</b>	<b>83.07</b>						
Intermediate-felsic crystal tuff (similar to 60.13-67.9 unit) intercalated with mafic volcanic unit. Top of interval has high amount of qtz-carb veins but lack mineralization. Sheared quartz vein healed with act-chl-py at 77.1 m exhibits sinistral offset			Foliation	81.8	55			Trace disseminated and fracture fill Py.							
			Contact	83.07	65										
<b>83.07</b>	<b>86.95</b>	<b>Shear Zone</b>	Vein	85.7	50	10	Zone of quartz fluid flow; difficult to differentiate quartz veins from silicified wallrock due to nature of quartz flooding; Likely two quartz veins at 85.75 and 85.95	<b>83.07</b>	<b>86.95</b>	759013	85	86	0.0025		
Layered mafic volcanic and intermediate volcanoclastic unit (as above) is intensely silicified and sheared; Interval contains three <5cm qtz veins difficult to separate from the intense silicification due to diffused contact. Strong bio-chl-carb alteration			Foliation	85.95	65			Very fine grained Py-Po soot, disseminated throughout interval with bigger blebs inside quartz vein contactsw and fractures as well as bounding reworked weakly brecciated quartz fragments. Minor-trace amounts of Arsenopyrite replacing pyrite grains and disseminated are noted in and around quartz veins							
			Vein	86.45	45	17	3cm wide quartz vein similar to above veins; cut concordantly by later ank+chl vein at shallower angle (23 tca) with the same beta.								
			Foliation	86.55	53	12	Strong foliation of biotite bands in silicified/sheared zone.								
			Contact	86.95	60	26									
<b>86.95</b>	<b>94</b>	<b>Gabbro</b>	Vein	87.54	44	34	Slightly refolded quartz vein is exhibits strong ank+K-spar-chl alteration overprinting quartz through fractures. Minor Po-Py blebs and aggregates also appear to be reworked and folded like the foliation commonly in quartz-carb fracture/voids.	<b>86.95</b>	<b>94</b>	759015	86.95	88	0.009		
Coarse grained gabbro; moderately foliated with bands of anastomosing cm-scaled shears. Strong carbonatization of plag and carb veinlets throughout interval, at times as local stockwork. 87.55-87.75 m contains several foliation parallel quartz-carb--K-sp										Minor Py+-Po as disseminated and fracture controlled py.		759016	88	89	0.012
												759017	89	90	0.008
												759018	90	91	0.0025
												759019	91	92	0.023
												759021	92	93	0.009
												759022	93	94.16	0.008
			Foliation	88.5	52	42									
			Foliation	88.75	54	38	Foliation is variable throughout unit with shear zones varying in orientation, as well as splitting into two due to anastomosing nature.								
			Contact	94	65										
<b>94</b>	<b>106.5</b>	<b>Metasediment</b>	Vein	97.9	65		clear to white quartz vein with py aggregates in selvage along with chl clots.	<b>94</b>	<b>106.5</b>	759023	94.16	95	0.0025		
Medium to coarse grained garnet-phyric mafic to intermediate metasediments. Beds normally larger than 10 cm to 60 cm thick dominantly of anthophyllite-chl-plag-hbl with up to 15% garnet, <5% Mag phenocrysts intercalated with amph dominated beds with lesse										Trace fracture controlled py		759024	95	96	0.0025
			Vein	99.1	20	300	Top contact of 15cm clear to ball white quartz vein. Tr py fracture controlled								
			Vein	99.25	38	320	Bottom contact of 15cm vein noted above.								
			Foliation	99.4	60	312									
			Foliation	103.5	54	15									
			Foliation	106.5	57	345	weak foliation								
<b>106.5</b>	<b>115</b>	<b>Mafic-Intermediate Volcanic</b>	Foliation	109.8	65	35		<b>106.5</b>	<b>115</b>	759037	106	107	0.0025		
Fine to medium grained mafic-intermediate volcanoclastic intercalated with layers of above described metasediments, with localized <1% disseminated magnetite phenos up to 1.5mm wide are commonly replaced by pyrrhotite and or pyrite. Very similar to above										Notable Py+-Po as fracture fill and disseminated blebs.		759038	107	108	0.0025
												759039	108	109	0.0025
												759041	109	110	0.0025
												759042	110	111	0.0025
												759043	111	112	0.0025
												759044	112	113	0.0025
												759046	113	114	0.0025



### DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
115	123	Shear Zone Same lithology as above but strongly sheared to pseudo-mylonite grades; cm scale banding of chl-amp and quartz+carb alternating due to shearing. Notable relict banded iron formation (BIF) from 119.05-119.3m, shows alternating chert-argillite beds.	Foliation	115.9	54	50	Strong schistosity	115	123	759047	114	115	0.0025
			Foliation	117.4	67	25	Strong schistosity			759048	115	116	0.21
			Vein	117.7	56	38	Sheared quartz vein with moderate py-po foliation parallel aggregates up to 2mm wide commonly in fractures around brecciated quartz fragments.			759049	116	117	0.056
										759051	117	118	0.053
										759052	118	119	0.131
										759053	119	120	0.056
										759054	120	121	0.128
										759055	121	122	0.1
										759056	122	123	0.547
			123	144.37	Mafic Volcanic Fine to coarse grained mafic volcanic exhibits high amount of irregular and fractured quartz veins overprinted by carb-chl fracture/veinlet controlled alteration down to 130m; this interval shows several complex flow structures and fragmental layers. EOH	Contact	119.1			64	35	Contact of thin relict BIF layer within sheared mafic volcanic unit	123
Vein	123	65					zone of brecciation with quartz-carb alteration; followed by concordant 20cm quartz vein with chl-carb-py-po fracture fill; moderate altered wallrock (bio or chl rich zones) along with coarse ank grains <4mm.	759058	124	125	0.063		
								759059	125	126	0.006		
								759061	126	127	0.005		
								759062	127	128	0.015		
								759063	128	129	0.049		
								759064	129	130	0.036		
								759065	130	131	0.012		
								759066	131	132	0.008		
								759067	132	133	0.006		
					759068	133	134	0.298					
					759069	134	135	0.016					
					759071	135	136	0.042					
					759072	136	137	0.014					
					759073	137	138	0.008					
					759074	138	139	0.011					
					759076	139	140	0.012					
					759077	140	141	0.119					
					759078	141	142	0.036					
					759079	142	143	0.061					
					759081	143	144.37	0.127					
			Vein	130.9									
			Vein	131.5	65								
			Foliation	134.5	60	20							
			Foliation	137	55	15							
			Foliation	141.7	65								



# DRILL LOG REPORT

<b>Hole Size:</b> NQ	<b>Drilling Contractor:</b> Major Drilling	<b>Start Date:</b> 3/11/2021	<b>Azimuth:</b> 180	<b>Coordinates</b>	
<b>Claim #:</b> 292066	<b>Casing Left in Hole:</b> No	<b>End Date:</b> 3/14/2021	<b>Dip:</b> -45	<b>Grid:</b> NAD83 / UTM Z 15N	
<b>Core Storage:</b> Murillo	<b>Casing Capped:</b> No	<b>Date Logged:</b> 3/16/2021	<b>Act. Depth (m):</b> 219.1	<b>Easting:</b> 682,743	
		<b>Logger:</b> Rory Krocke, Dorian Chamale		<b>Northing:</b> 5,683,260	
				<b>Elev. (m):</b> 377.4	

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
0	39	<b>Overburden</b> 41 meters of overburden, abundant boulders.											
39	42	<b>Banded iron formation</b> Interval consists of <30cm mafic mudstone beds intercalated with silicate facies iron formation (< and banded iron formation (40.7-40.95m). Lower contact exhibits moderate chl-act+-carb alteration, overprinted by foliation at slightly oblique angle.	Foliation	39.1				39	42	759082	39	40	0.005
			Vein	40.3	60		Foliation parallel and shallower tca qrtz veins and chrt beds exhibiting recrystallization, folding and chl-carb alteration.			759083	40	41	0.005
			Foliation	40.9	43		Foliation overprinting BIF mag beds			759084	41	42	0.006
			Contact	42	50		Sharp conformable contact						
42	52.1	<b>Mafic volcanic</b> Fine to coarse grained mafic volcanic flow (basalt), depending on part of flow; (amygdular zone from top of interval to ~45m, f.g. flow banded interval down to 47m, followed by c.g. bulk of flow with gabbroic texture. Note vertical fault noted at 52.1	Foliation	46.5	50		Foliation in flow banded zone of flow	42	52.1	759085	42	43	0.0025
			Foliation	50	48	24	Strong penetrative foliation of deformed and chl altered amp			759086	43	44	0.0025
			Fault	52.1	7	62	Shallow tca, vertical fault with carb-chl healing and moderate hem-malachite alteration associated with water permeability of the fracture/fault.			759087	44	45	0.0025
										759088	45	46	0.0025
										759089	46	47	0.008
52.1	66	<b>Intermediate Volcaniclastic</b> Very fine to coarse grained wacke intercalated with mafic and intermediate volcaniclastic layers, cm to sub-meter beds all conformable and concordant to foliation. Mod-strong deformation is evidenced by destruction and elongation of plag crystals.	Contact	52.13	60	356	Slightly undulating contact	52.1	54.2	759090	65	66	4.1
			Foliation	52.2	55	22	Strong foliation overprinting bedding at slightly oblique angle						
			Fault	52.4	20	90	Carb-chl healed fracutre/fault with minor gouge same generation as adjacent fault.						
			Contact	54.18	72	8	Wavy contact oblique to foliation into wacke and felsic-intermediate volcaniclastic units						
			Foliation	54.25	30	14							
			Lineation	55	50		Fold axis of folded wacke beds associated with main regional foliation.						
			Foliation	55.1	52	15							
			Vein	55.65	70	46	2cm white quartz vein with tr to null mineralization						
			Vein	56.1	60	45	4cm ball white quartz vein with carb-chl alteration in fractures. Poorly mineralized						
			Foliation	58.95	55	12	strong penetrative foliation of biotite-amp and chl-carb bands						
			Foliation	65	52	34							
			Contact	66.05	50	35	Sharp carb alter4ed contact into felsic-int crystal tuffs						
66	76.4	<b>Intermediate to felsic crystal tuff</b> Varying layers of intermediate volcaniclastics and felsic-int crystal tuffs. Centimeter scaled layers of bio-qtz-plag intercalated with chl-amp-plag. Strongly silicified interval exhibits bio-ser-K-spar alteration overprinted by carbonate veinlet stockwork	Vein	70.1	50		No confident ori marks in these intervals due to blocky ground. Qrtz-Carb veinelts with ser-bt-hem alteration halos. Minor disseminated and foliation parallel Py	66.05	74	759091	66	67	0.0025
										759092	67	68	0.0025
										759093	68	69	0.007
										759094	69	70	0.007
			Foliation	70.2	55					759095	70	71	0.013
			Vein	71.25	50	326	py-bio rich band with dark burgandy hem alteration? or possibly sphalerite is fracture/veinlet controlled			759096	71	72	0.0025
										759097	72	73	0.005
										759098	73	74	0.013



### DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
			Fault	71.6	43		Several tachylite filled			759099	74	75	0.005
			Foliation	73.1	45	38				759100	75	76.4	0.0025
			Vein	73.3	50	50	Clear to light grey quartz vein with diffused silicified contact exhibits chl-Kspar-alb+carb alteration halos. Py is fracture controlled and as wisps within bio rich bands						
			Vein	73.9	45	38	Thin Qtz-Carb veinelt with wide 2.5cm ser-bio+-Kspar-ank alteration halo.						
			Contact	76.4	44	24	Conformable sharp contact out of felsic volcanic into mafic volcanic unit.						
<b>76.4</b>	<b>97.7</b>	<b>Intermediate volcanic</b>	Vein	76.6	60		Poorly mineralized Qtz-tourmaline veins;	<b>78.4</b>	<b>97.7</b>	759101	76.4	78	0.0025
		Fine grained intermediate volcanic of green chl-amph+anth bands intercalated with lesser bio-hrbl-plag bands <10cm. Rare int-felsic layers up to 30cm wide noted in this interval. Poorly mineralized unit with disseminated Py-Po.	Foliation	77.8	50			Trace to minor disseminated Py+Po wisps and rare fracture controled Py. Clear-white qrtz-tourmaline veins are poorly mineralized.		759102	78	79	0.006
			Foliation	85	50					759103	79	80	0.01
			Foliation	87.5	60					759104	80	81	0.007
			Foliation	89.2	45					759105	81	82	0.005
			Vein	90.7	40		Quartz vein is slightly oblique to foliation with chl-ank alteration; unmineralized			759106	82	83	0.012
										759107	83	84	0.007
			Foliation	93.7	60								
			Foliation	96.5	55								
			Contact	97.7	38	15							
			Vein	97.7	38	15							
<b>97.7</b>	<b>100</b>	<b>Shear Zone</b>	Foliation	97.8	52	18		<b>97.7</b>	<b>100</b>	759108	97.7	99	0.0025
			Foliation	98.7	45	10	Foliation parallel to vein.	v.f.g. py+po wisps and soot associated with silica flooding throughout shear zone. Preferential sulphides in dark bio rich bands		759109	99	100	0.014
			Vein	98.7	45	10	Sheared zone with quartz flooding intruding along main shear fabric;						
			Foliation	99.6	55								
			Contact	100	40		Sharp lower contact out of felsic volcanic unit and into strongly foliated mafic crystal tuff.						
<b>100</b>	<b>106</b>	<b>mafic crystal tuff</b>	Foliation	102.3	45		Strong foliation slightly oblique to layering.	<b>100</b>	<b>106</b>	759110	100	101	6.01
		fine to coarse grained mafic crystal tuff with variable layering of plag rich crystals exhibiting volcanoclastic texture. Layering is slightly oblique to foliation. Banding of chl-amp rich layers of cm scale interbedded with plag crystal rich, poorly sorted	Foliation	104	40	38	Foliation slightly oblique to layering	Py is noted in fractures and quartz-carb veins as blebs and aggregates		759111	101	102	0.01
										759112	102	103	0.008
										759113	103	104	0.0025
										759114	104	105	0.009
										759115	105	106	0.006
<b>106</b>	<b>128.2</b>	<b>Metasediment</b>	Vein	107	60		white to light grey recrystallized quartz veins with pervasive carb alteration; veins are irregular and variable in orientations commonly with folded undulating contacts. Tr Py associated with carb fracture fill.	<b>106</b>	<b>118.5</b>	759116	106	107	0.0025
		Variable layering of intermediate volcanic derived sediments; dark green layers <5 cm intercalated with <50 cm wide grey sediments commonly containg porphyroblastic garnets and mag grains <3mm (subhedral). Possible IF in strongly sheared zones (118.4-118.						Minor fracture controlled Py-Po at times replacing mag phenos. Notable euhedral disseminated mag phenocrysts at times overprinted with garnet.		759117	107	108	0.006
										759118	108	109	0.019
										759119	109	110	0.032
										759120	110	111	0.0025
			Foliation	110	45	16		<b>124.8</b>	<b>128.2</b>	759121	111	112	0.086
			Shear	118.4	48	15	Strongly sheared zone overprinting primary textures. Sheared chrt layers and/or possible quartz vein is recrystallized and folded; Strongly mineralized interval with Py-Po foliation parallel bands-aggregates up to 3 mm wide.	Moderate to locally strong Py and or Po as foliation parallel aggregates up to 3mm wide commonly associated with carb-chl veinlets and fractures and progressive deformation. Quartz veins commonly exhibit py-tor+Po aggregates in fractures and clots.		759122	112	113	0.016
										759123	113	114	0.0025
										759124	114	115	0.0025
										759125	115	116	0.006
			Vein	121.85	50	50				759126	116	117	0.009
			Foliation	125	50	25				759127	117	118	0.015
			Vein	125.2	47	44	10cm ball white quartz vein			759128	118	119	0.017
										759129	119	120	0.0025



### DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
			Vein	126.1	55	16	Sheared quartz vein is folded with chl-carb alteration; Minor Py-po as foliation parallel blebs and aggregates associated with shearing of IF and metaseds.			759130	120	121	1.21
										759131	121	121.5	0.013
										759132	121.5	122.17	0.0025
										759133	122.17	123	0.0025
			Foliation	128	50	40	Strong penetrative foliation is overprinting beds slightly oblique and shallower tca, making it difficult to determine bedding.			759134	123	124	0.0025
										759135	124	125	2.82
										759136	125	126	0.097
										759137	126	127	0.065
										759138	127	128.2	0.712
<b>128.2</b>	<b>136.35</b>	<b>Mafic volcanic</b>	Vein	128.2	45	28	Interval with up to 10% qtz-carb veining parallel to foliation (close to sheeted zones)	<b>128.2</b>	<b>136.3</b>	759139	128.2	129.5	3.25
Fine grained strongly foliated mafic volcanic with disseminated mag grains up to 1mm wide. Appears to be f.g. part of banded flow or mafic tuff beds. Lower contact is sharp and conformable into coarse grained mafic volcanic. Moderate quartz carb veining			Foliation	133.3	50	22	Layering contact with increased c.g. amph-bt content, carb-chl alteration accompanied with c.g. Po fracture fill.	Localized coarse grained, fracture controlled Po along preferential bands (~129.5-129.9m, 133.3m and 135.9m). 1% disseminated Po and 0.5% py as wispy blebs (likely interstitial or simply deformed?).		759140	129.5	131	0.005
			Contact	136.3	55	60	Sharp contact into c.g. mafic volcanic/gabbro			759141	131	132.5	0.564
<b>136.35</b>	<b>142.9</b>	<b>Gabbro</b>	Foliation	136.5	50	48	moderate to weak penetrative foliation of amph-chl grains.	<b>136.3</b>	<b>138.5</b>	759142	132.5	134	0.167
Coarse grained gabbro, likely intrusive equivalent of above flow? very similar in composition, but massive with weak foliation of amph grains. Ball white quartz vein from 137.9-138.3m with py-tor-ank fracture fill and void clots. Notable Py fracture fill			Vein	137.9	50	166	Top contact of 30cm cloudy white qtz vein is discordant to foliation and slightly folded; with py-tor-ank-chl-cb fracture fill and K-spar alteration halos <2cm.	Vein and fracture fill py-po accompanied with tourmaline-ank+-chl fracture fill.		759143	134	135.15	0.107
			Vein	138.3	72	280	Lower contact is slightly oblique and undulating with notable py-po blebs and fracture fill.	<b>138.5</b>	<b>142.9</b>	759144	135.15	136.3	0.166
			Contact	142.9	45	15	Bt-chl altered conformable contact			759145	136.3	137.4	0.22
<b>142.9</b>	<b>165.25</b>	<b>Mafic volcanic</b>	Foliation	143	45	354		<b>142.9</b>	<b>155</b>	759146	137.4	138.35	0.082
Mod-strongly foliated f.-m.g. mafic volcanic (flow banded and brecciated zone intercalated with minor c.g. intrusive layers). Exhibits up to 8% conformable and irregular-discordant veining (0.3-4 cm wide), early veins/fragments exhibit varied/overprinting			Vein	145.5	52	28	Zone of irregular qtz-ank veining (	fracture and vein controlled po+py is minor and associated with Cb-chl veinlets as well as in and adjacent to qtz-ank-chl veins		759147	138.35	139.35	0.018
			Vein	148.8	30	60	Stockwork of carb veins, locally brecciating ser-chl altered wallrock fragments.						
			Vein	149.3	55	26	4.5cm qtz-cal-chl-kspars vein with py within chl clots.						
			Vein	149.4	35	198	Cal-chl vein with intense carb-chl-ser-Kspars alteration of wallrock; contains disseminated py adjacent to carb veinlets	<b>155</b>	<b>165.25</b>				
			Foliation	149.6	47	338		Trace to null py-po in cb veinlets/fractures.					
			Foliation	152	45	12				759148	142.9	144.4	0.315
			Vein	152.65	50	20	thin Qtz vein brecciated by carb-chl			759149	144.4	145.92	1.02
			Vein	154.6	50	26	qtz vein with carb fracture controlled alteration.			759150	145.92	147.5	3.91
			Foliation	158	48	350				759151	147.5	149	0.375
			Vein	158.1	45	346	Slightly brecciated qtz-chl-carb vein			759152	149	150.5	0.379
			Vein	158.85	40	350	Zone of veining, conformable but slightly off from foliation and stratigraphy,			759153	150.5	152	0.071
			Foliation	161	40	10				759154	152	153.5	0.031
			Foliation	164	40	12				759155	153.5	155	0.015
			Contact	165.25	45	20	Contact intruded by 4cm qtz-cal vein						
<b>165.25</b>	<b>201.75</b>	<b>Gabbro</b>	Foliation	173	40	352	Weak foliation of amp	<b>165.25</b>	<b>183.1</b>	759156	183	184	0.023
Coarse grained gabbro (intrusive equivalent of flows) with gradational contacts into f.g. foliated chill zones normally < 50cm (could also just be sheared zones). Equigranular, poorly foliated plag-amp (close to leucocratic in composition). Poorly mineralized			Vein	173.5	15	80	Oblique shallow carbonate veinlet with strong ser-amp+-chl alteration halo	Trace po-py is localized to fracture/veinlets, as aggregates and interstitial grains.		759157	187.9	189	0.017
			Vein	177.3	40	22	Shear hosted quartz cal vein up to 6cm wide with mod chl altered wallrock inside. Tr py			759158	189	190	0.048
			Vein	180.35	60		Qtz-Carb vein; unmineralized	<b>183.1</b>	<b>183.25</b>	759159	190	191.5	0.07
			Vein	183.1	52	125	Oblique to foliation,	Minor mineralization. Localized py-po associated with carb-chl healed fracture on bottom contact of quartz vein.		759160	191.5	192	0.006
			Foliation	188.2	45	18				759161	198	199.5	0.074
										759162	199.5	200.8	0.048
										759163	200.8	201.75	0.033





### DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
			Vein	188.3	40	66	10 and 3cm wide parallel qtz veins with pervasive ser-chl-cb alteration and ds py grains within. Chl altered wallrock between veins.	183.25	201.75				
			Shear	191.25	50	32	Shear zone						
			Contact	201.75	63	345	sharp conformable contact into int felsic volcanic unit						
<b>201.75</b>	<b>214.9</b>	<b>Intermediate to felsic crystal tuff</b>	Foliation	202	55	22		<b>201.75</b>	<b>214.9</b>	759164	201.75	203	0.056
		Intermediate to felsic volcanoclastic layered unit (tuffs, crystal tuffs and lapilli tuffs). Strongly foliated to schistose rock could be considered a bio-qtz schist. Increasing strain noted downhole evidenced by qtz/plag eyes, notable increase in tachylite	Vein	203.52	70	14	cm wide qtz cb vein with ch core	Foliation parallel wisps and blebs along preferential bands. Minor fracture control po.		759165	203	204.5	0.038
			Foliation	205.8	58	20	Foliation band with disseminated py wisps.			759166	204.5	206	0.044
			Foliation	207	62	18	biotite rich foliation			759167	206	207.5	0.0025
			Vein	207.42	70	25	cm wide irregular qtz vein weakly along foliation plane, lower contact strongly ch			759168	207.5	209	0.006
			Foliation	211	58	10	thin foliations with occ congruent cb veinlet			759169	209	210.5	0.015
			Fault	213.59	54	348	annealed tachyllite filled weakly sheared brecciated fault. Flame like texture of glass layers propagating into tension voids perpendicular to fault plane.			759170	210.5	212	1.1
										759171	212	213.5	0.437
										759172	213.5	214.85	0.029
			Fault	214.87	55	20	annealed tachyllite filled weakly sheared brecciated grading to protobrecciated fault. Similar flame like structure of glass in tension gashes perpendicular to fault plane.						
<b>214.9</b>	<b>219.1</b>	<b>Shear Zone</b>	Foliation	217.8	50	10		<b>214.9</b>	<b>219.1</b>	759173	214.85	216.4	0.14
		Intensely sheared felsic volcanic grading into grt phyric bio-qtz schist @ 216.6m. Deformed garnet porphyroblasts in a v.f. grained bio-qtz schist matrix with minor chl-amp-bio bands; comprising of cm-meter scaled siliceous, smokey grey bands/beds. EOH	Vein	217.95	60	12	Thin light-grey qtz vein with minor disseminated py within fractures inside vein accompanied with po at boundaries and dominated by po in the wallrock.	Foliation parallel wisps, commonly very fine grained concentrated along preferential bands and in fractures. EOH.		759174	216.4	217.3	0.04
										759175	217.3	218.2	0.041
										759176	218.2	219.1	0.106



# DRILL LOG REPORT

From (m)		To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
0	51		Overburden											
Drilled on frozen lake. Rods snapped and hole abandoned.														



# DRILL LOG REPORT

From (m)		To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
									From (m)	To (m)				
0		16	<b>Overburden</b>											
16 meters of overburden with boulders intersected before bedrock														
16		21	<b>Mafic Volcanic</b>	Vein	16.8	30		cm size chlorite, carbonate with less anthophyllite vein	16	17.4	759192	16	17	0.007
Layered fine and med-coarse grained mafic volcanic, strongly foliated, common disseminated blebs to wisps of Po throughout generally along foliation, minor cm scale qtz-carb veining with bleached chl alteration halos, abundant Po + Py blebs.														
<b>Note: Drillers terminated drilling due to ice becoming unstable, warm conditions were forecasted for the coming week</b>														
				Foliation	17.45	32					759193	17	18.1	0.006
				Vein	18.47	35		weakly brecciated mineralized highly chl altered (bleached) margin along 3cm qtz cb vein			759194	18.1	19	0.01
				Foliation	19.6	35			17.4	21	759196	19	20	0.007
				Vein	20.6	35		qtz cb vein with chl alteration halo			759198	20	21	0.008
Disseminated Po+-Py wisps along foliation, coarsening disseminated Po+-Py blebs occur in coarser grained mafic layers. Py lined hairline fracs throughout.														



## DRILL LOG REPORT

Hole Size: NQ		Drilling Contractor: Major Drilling		Start Date: 3/19/2021		Azimuth: 180		Coordinates				
Claim #: 703842		Casing Left in Hole: No		End Date: 3/21/2021		Dip: -50		Grid: NAD83 / UTM Z 15N				
Core Storage: Murillo		Casing Capped: No		Date Logged: 3/23/2021		Act. Depth (m): 161		Easting: 682,650				
				Logger: Marc Brunelle				Northing: 5,683,260				
								Elev. (m): 377.4				
From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION	Sample ID	From (m)	To (m)	Au (g/t)
								From (m)		To (m)		
0	30	Overburden										
30	39.65	Mafic Volcanic	Vein	31.5	50		cm thick qtz vein with thin chl altered halo.	30	759199	32	33.5	0.0025
		Fined grained Mafic Volcanic, dark green to black, weak to moderately foliated with minor highly deformed/altered amphibole clots, occasional qtz+cb veinlets to veins with faint chlorite altered rims, veinlets occur oblique to foliation at times	Vein	32.45	40		2 cm thick qtz feldspar vein, trace diss py.	Trace local foliation preferred disseminated Py, tr subhedral Py blebs within qtz feldspar veins.	759201	33.5	35	0.006
			Foliation	34.53	55		Disseminated Py & Po along foliation		759202	35	36.5	0.005
			Foliation	34.85	55				759203	36.5	38	0.0025
			Vein	37.72	65	328	thin set of bleached stock work veining / brecciated veining w/ qtz cb infill.		759204	38	39	0.006
			Vein	38.2	63	272	thin veinlet		759205	39	39.6	0.0025
			Contact	39.65	45	20	Top contact of BIF					
39.65	41	Banded Iron Formation	Foliation	40.9	42	14	BIF banding	39.65	759206	39.6	40	0.009
		Black to dark grey BIF, moderate to strongly magnetic, well pronounced alternating sooty black hematite banding and siliceous beds/laminations with mnr diss Po, rare weak boudanage, strong disseminated Po+Py near top contact, occ cross bedding						Disseminated Po+Py mostly concentrated near top of BIF, mnr Po speckled throughout BIF banding, Py lined subparallel microfractures	759207	40	41	0.018
41	63.08	Mafic-Intermediate Volcanic	Foliation	41.7	48			41	759208	41	42	0.0025
		Black to black green very fine to locally medium grained mafic volcanic intermixed with 10-20cm layers of intermediate-mafic crystal tuffs containing subhedral plagioclase phenos, overall moderately foliated, minor qtz to less qtz+cb cm size veining	Foliation	43.9	55	18		Trace disseminated and fracture fill py.	759209	42	43	0.0025
			Vein	45.3	45		crosscutting set of qtz+cb veining		759211	43	44	0.0025
			Fault	49.1	55	50	Strong mineralized Po + Py healed shear zone, could only confidently measure bottom contact due to core spin.	49	759212	44	45	0.005
								healed shear zone with stong blebs and fracture filled Po + Py.	759213	45	46	0.005
			Foliation	49.8	52	45		49.4	759214	46	47	0.0025
			Vein	52.5	28		qtz+cb veining crosscutting fol.	Trace to nil sulphide disseminations.	759215	47	48	0.0025
			Contact	53.5	55	318	top of heavily chl, cb, ank? altered breccia.		759216	48	49	0.008
			Foliation	56.3	55	32			759217	49	50	0.007
			Vein	56.9	40	22	2cm quartz vein hosting chl + cb alteration in host rock.		759218	50	51	0.005
									759219	51	52.5	0.006
									759221	52.5	54	0.005
			Contact	63.1	60	28	Top contact of intermediate-Felsic Volcanic, highlighted by 3cm qtz to less feldspar vein		759222	54	55	0.01
									759223	55	56	0.008
									759224	56	57	0.0025
									759226	57	58	0.01
									759227	58	59	0.0025
									759228	59	60	0.007
									759229	60	61	0.008
									759231	61	62	0.0025
									759232	62	63.12	0.0025
63.08	85.35	Intermediate to Felsic Volcanic	Vein	63.9	38		qtz cb veinlet	67.6	759233	63.12	64	0.0025
		Alternating fine to coarse grained Intermediate-felsic crystal tuff, grey to grey black, weakly foliated, common amygdaloidal to subhedral albite altered plagioclase/feldspars, minor qtz+cb veining cross cutting foliation	Vein	64.43	50	18	thin cb+qtz veinlet	Foliation preferred disseminated Py+Po wisp/blebs, Py lined fractures with minor cb + ankerite alteration at 77.5m	759234	64	65	0.0025
			Foliation	65.8	48	28			759235	65	66	0.0025
			Foliation	68.35	55	5	Foliation bound diseeminted Po + Py		759236	66	67	0.0025
			Vein	70.95	45	282	Thin cb +chl veinlet with mnr diss Po		759237	67	68	0.0025
			Foliation	73.9	58	18		80.9	759238	68	69	0.0025
			Vein	74.12	30	18	cm scale qtz vein oblique to foliation rimmed by amphiboles. mnr cb + chl alteration.	trace visible fine disseminations of py.	759239	69	70	0.0025
			Vein	77.45	50	347	Carb + ankerite lined frac/vein associated with Py +		759241	70	71	0.0025
									759242	71	72	0.0025



# DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
							Po rich fracture network			759243	72	73	0.005
			Foliation	77.74	60	340	Dusty Py lined fracs along foliation with cb + rusty ankerite foliation bound alteration.			759244	73	74	0.0025
			Vein	78.95	45		qtz + cb vein with chl altered rim.			759246	74	75	0.0025
			vein	80.8	48		4 cm thick coarse grained qtz feldspar vein with disseminated Py along vein hosted microfracs			759247	75	76	0.0025
			Vein	82.8	40	18	2cm qtz cb vein			759248	76	77	0.0025
			Foliation	82.9	65	14				759249	77	78	0.0025
			vein	83.1	62	18	set of cm thick qtz cb veining with amphibole rich margins,			759251	78	79	0.006
										759252	79	80	0.006
										759253	80	81	0.0025
										759254	81	82	0.005
										759255	82	83	0.0025
										759256	83	84	0.0025
										759257	84	85.2	0.0025
<b>85.35</b>	<b>101.75</b>	<b>Shear Zone</b>	Vein	86.3	50		vein cross cutting healed sheared blocks, could not carry oriented core mork due to rounded core and several thij breaks	<b>90.15</b>	<b>93.35</b>	759258	85.2	86	0.047
Interval consists of successive brecciation/shearing zones across intermediate/felsic volcanic unit (as above) and fine to less medium grained mafic volcanic? with rusty red soft clay rich FLT gouge at 99.35-99.45m. Difficult to accurately define host rock										759259	86	87.1	0.009
			Vein	88.6	30	12	irregular qtz+amphibole vein			759261	87.1	88	0.012
			Foliation	88.9	65	345		<b>93.35</b>	<b>99.35</b>	759262	88	89	0.017
			Fault	89.1	58	20	qtz +- tourmaline healed vein/fault with brecciated host rock margins heavy chlorite altered halo			759263	89	90	0.0025
										759264	90	91	0.015
			Foliation	91.9	55	20				759265	91	92	0.0025
			Vein	92.2	55	30	irregular qtz cb vein			759266	92	93	0.086
			vein	92.3	60	12	cm scale qtz vein set			759267	93	94	0.0025
			Foliation	94.9	50	30	heavily chloritized			759268	94	95	0.0025
			Vein	95.9	75	258	py hosted qtz veinlet with red oxidized margins.			759269	95	96	0.01
			fracture	96.25	45	218	chloritized/talc+ red oxidized breccia margin?			759271	96	97	0.0025
			Fault	99.35	45		soft clay rich rusty red oxidized fault gouge, oriented core marks absent /broken core in vicinity of Fault gouge.			759272	97	98	0.0025
										759273	98	99	0.005
										759274	99	100	0.092
										759276	100	101	0.232
										759277	101	102	0.009
<b>101.75</b>	<b>107.4</b>	<b>Mafic-Intermediate Volcanic</b>	Foliation	103.9	60	12		<b>99.35</b>	<b>108.5</b>	759278	102	103	0.044
Fine to medium grained mafic-intermediate volcanoclastic, moderate to strongly foliated, rare eroded mm scale garnets? thin qtz+cb veinlets along & cross cutting foliation, strong Py + Po mineralization near top of unit but diminsing over interval.			Vein	105.2	58					759279	103	104	3.13
			Foliation	107	50	20				759281	104	105	0.211
										759282	105	106	0.024
										759283	106	107	0.0025
			Vein	107.2	50	18	successive qtz cb veining	<b>108.5</b>	<b>123.3</b>	759284	107	108	0.007
			Vein	112.5	52	10	qtz + cb vein			759285	108	109	0.0025
			Foliation	112.8	50	340				759286	109	110	0.0025
			Vein	118.7	42	30	qtz cb +- tourmaline vein			759287	110	111	0.15
			Foliation	119.3	55	12				759288	111	112	0.099
			Vein	119.7	45	34	qtz cb veinlet set			759290	112	113	3.82
			Foliation	122.5	55	20				759291	113	114	0.0025
			Vein	123.1	70	338	tourmaline & qtz rich vein hosting dissmeinted Py.			759292	114	115	0.005
										759293	115	116	0.005
										759294	116	117.1	0.005
										759295	117.1	118	0.092
										759296	118	119	0.019
										759297	119	120	0.0025
										759298	120	121	0.005



### DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
<b>123.3</b>	<b>129.9</b>	<b>Mafic Volcanic</b>	Foliation	127.8	52	50		<b>123.3</b>	<b>130.05</b>	759299	121	122.5	0.0025
Fine grained black basalt mafic volcanics with rare dark grey coarse grained gabbro beds, weak to moderately foliated, <cm scale qtz cb veining, weak to less moderate foliation preferred wisps of Po, less Py lined microfracs, rare albitization of plagioclase			Vein	127.9	28	42	qtz cb veinlet	Foliation parallel and fracture fill Py-Po, trace Cpy within qtz cb veining at 128.7m		759301	122.5	123.5	0.106
			Vein	129.3	45		qtz cb vein			759302	123.5	125	0.005
<b>129.9</b>	<b>161</b>	<b>Gabbro</b>	Vein	133.65	72	40	thin qtz cb veinlet hosting disseminated Py	<b>130.05</b>	<b>142</b>	759303	125	126	0.0025
Coarse grained intrusive mafic volcanic (gabbro) with minor fine grained basalt layers under 50cm thick, faint to less moderately foliated, becomes more heavily sheared/foliated (& altered-chl) from 156m to 161m EOH, common qtz cb veining			Foliation	134.1	55	344	foliation controlled disseminated Py wisps.	Minor Py+Po as foliation controlled wisps and finely disseminated in qtz cb veining, occasional Py lined microfractures		759304	126	127	0.0025
			Vein	137.2	55	342	qtz cb veinlet			759305	127	128	0.012
			Vein	137.4	40	344	qtz cb veinlet			759306	128	129	0.03
			Vein	140.2	48	192	qtz cb veinlet			759307	129	130	0.0025
			Foliation	142.9	48	60	weak foliation within gabbro	<b>142</b>	<b>161</b>	759308	130	131	0.0025
			Vein	147.4	35	125	Py + Cpy within qtz vein	trace local Py to rare Cpy in qtz+-cb veinlets.		759309	131	132.05	0.0025
			Foliation	147.6	50	240				759311	132.05	133	0.0025
			Vein	148.6	67	233				759312	133	134	0.0025
			Vein	152.6	48	4				759313	134	135	0.0025
			Vein	153	70	224	qtz+-feldspar vein with strong chloritized rim.			759314	135	136	0.0025
			Vein	157.2	60	6	cb+qtz veining			759315	136	137	0.0025
			Foliation	157.8	58	4				759316	137	138	0.012
			Foliation	160.8	55	12	foliation with common thin paralleling cb veinlets			759317	138	139	0.016
										759318	139	140	0.01
										759319	140	141	0.014
										759321	141	142	0.016
										759322	142	143	0.012
										759323	143	144	0.02
										759324	144	145	0.015
										759326	145	146	0.008
										759327	146	147	0.011
										759328	147	148	0.016
										759329	148	149	0.01
										759331	149	150	0.0025
										759332	156.5	158	0.13
										759333	158	159	0.165
										759334	159	160	0.062
										759335	160	161	0.062



## DRILL LOG REPORT

Hole Size: NQ		Drilling Contractor: Major Drilling		Drill Hole		Start Date: 3/22/2021		Azimuth: 180		Coordinates			
Claim #: 703842		Casing Left in Hole: No		End Date: 3/25/2021		Dip: -70		Easting: 682,650		Grid: NAD83 / UTM Z 15N			
Core Storage: Murillo		Casing Capped: No		Date Logged: 3/27/2021		Act. Depth (m): 257		Northing: 5,683,260		Elev. (m): 380.1			
Logger: Marc Brunelle													
From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
		From (m)	To (m)										
0	27	Overburden											
27	55.6	Mafic Volcanic	Vein	30.4	30		thin cb+qtz vein roughly along foliation.	27	57.9	759336	34	35	0.0025
Fined to medium grained Mafic Volcanic, dark green to black, moderate to strong foliation with minor highly smeared/altered amphibole clots, 1-2cm thick coarse grained cb+qtz & ankerite veins hosting trace Po + Py blebs with cream to red albitization			fault	32.9	72		cb rich chl+ankerite altered stock work breccia, no visible sulphides.	Minimal cb+qtz vein supported disseminated Po+Py blebs, Rarely occurring dusting of Py lined cb+ch stockwork veinlets.		759337	35	36	0.0025
			fault	34.45	60	196	1 cm thick cb+ch fault gouge corss cuttingh foliation, hematite alteration preferentially bleeding into foliation with minor disseminated Po.			759338	38	39	0.0025
			Vein	34.5	50	186	cb vein with chloritized rim crosscutting foliation.			759339	39	40	0.0025
			Foliation	34.8	32	28				759341	40	41	0.006
			Vein	39.6	60	196	1 cm thick cb+ch fault gouge cross cuttingh foliation, hematite alteration preferentially bleeding into foliation with minor disseminated Po.			759342	45	46.4	0.007
			Foliation	40.8	38	25				759343	46.4	47.6	0.007
			Foliation	41.7	34	12							
			Foliation	43.7	34	12							
			Vein	44.25	58	204	Set of 3 mm thick parallel cb filled stockwork veinlets						
			Foliation	47.1	28	18							
			Vein	47.5	30	228	cm thick coarse grained cb lined vein meandering sub parallel to core axis from 46.8-47.5m						
			Vein	48.5	60		cm scale qtz + cb vein near foliation trend						
			Fault	48.95	52		Top contact of shear zone						
			Foliation	49.5	32								
			Vein	50.15	68		thin cb filled ch rimmed stockwork veinlet						
			Foliation	51.2	34								
			Contact	55.6	28		thick qtz vein contact between Mafic Volcanics & Intermediate Mafic Volcanics.						
55.6	66.1	Mafic-Intermediate Volcanic	Vein	55.6	25	16	thick qtz vein	57.9	65	759344	57	58	0.009
Fine grained Intermediate to Mafic Volcanic, black to dark grey, strong foliation with shearing appearing to intensify near the base of the unit- becoming wavy and at shallower angle to core axis, cb+qtz stock work veining persisting through this unit			Foliation	58.8	40			Patches of Po disseminated within host rock in association with cb+ankerite veining/alteration along foliation		759346	58	59	0.009
			Foliation	60.2	38		Foliation bound cb+ankerite with disseminated Po			759347	59	60	0.008
			Foliation	61.9	32	18				759348	60	61	0.006
			Vein	63.4	52	230	cm thick cb+qtz+ch vein			759349	61	62	0.0025
			Foliation	64.1	48	320	zone of shifting foliation approaching shear/BX zone			759351	64	65	0.005
			Vein	64.25	30	352	cm size qtz cb vein			759352	65	66	0.005
			Foliation	64.8	20	4	Cb alteration along foliation with minor disseminated Po wisp						
66.1	83.4	Intermediate to Felsic Volcanic	Vein	67.4	22	240	thin cb+qtz veinlet	65	83	759353	72.8	74	0.005
Highly sheared then brecciated Intermediate grading to Felsic Volcanic (gradational transition through brecciated zone), heavily bleached, light tan to tan red color, minor thin tuffaceous bands hosting highly altered feldspar amygdules, common rubbled			Foliation	67.7	42	14	foliation prefered cb altered band.	Heavily altered interval shows little mineralization only rare cb+qtz veins hosting disseminated Po blebs		759354	74	74.85	0.005
			Foliation	73.8	52	350				759355	74.85	77	0.005
			Vein	76.6	64	158	thin cb+qtz vein within brecciated unit.			759356	77	78	0.0025
			Foliation	76.7	40	354				759357	78	79	0.005
			Vein	77.05	55	122	cm scale cb+qtz brecciated vein rimmed by ankeriate +-anthophyllite?			759358	79	80	0.0025



## DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)	
								From (m)	To (m)					
83.4	118.6	Intermediate to Felsic Volcanic Fine to medium grained Intermediate to Felsic Volcanic, dark grey to less black, coarser grained tuffaceous bands hosting plagioclase/feldspar phenocryst, moderate to well foliated, minimal cb+qtz veinlets, rare cb+ankerite veins associated with foliation	Vein	78.1	65		chl +cb lined vein crosscutting foliation	83	117	Patches of Po disseminated within host rock associated near margins of high angle cb+ankerite veining.	759359	88	89.1	0.01
			Fault	82.8	64	285	cm scale brecciated fault within heavily altered zone				759361	89.1	90	0.005
			Foliation	82.9	38	352	foliation within brecciation				759362	94	95	0.0025
			Vein	85.3	68	212	cb+ qtz vein				759363	95	96	0.0025
			vein	85.35	22	294	cb+qtz vein crosscut by previous cb vein (@85.3m)				759364	96	97	0.006
			Foliation	85.7	35	10					759365	97	98	0.0025
			Vein	88.23	65	218	cb+qtz vein with chlorite rim				759366	98	99	0.0025
			Foliation	88.7	25	248	foliation with wisps of Po				759367	99	100	0.0025
			vein	89	35	350	2cm thic qtz+cb vein roughly along foliation				759368	100	101	0.0025
			Vein	91.6	65	208	irregular qtz+cb vein +- tourmaline and trace Py, vein crosscut foliation				759369	101	102	0.0025
			Foliation	91.9	35	14					759371	102	103	0.0025
			Foliation	94.8	40	316					759372	103	104	0.0025
			Vein	95	65	156	thin qtz+cb veinlet with euhedral Py cubes				759373	109	110	0.006
			Vein	95.6	5	202	irregular cb+qtz vein running through core near parallel TCA				759374	110	111	0.0025
			Foliation	96.1	34	302	foliation controlled Po				759376	111	112	0.005
			Foliation	99.7	38	258					759377	112	113	0.006
			vein	102.5	25						759378	113	114	0.006
			Foliation	103.9	40	348					759379	114	115	0.006
			Foliation	106.9	55	20					759381	115	116	0.0025
Vein	107.1	22	276	qtz+cb veinlet	759382	116	117	0.007						
Fracture	110.3	55	196	fracture associated with moderate Po disseminated in host rock										
Foliation	110.35	38	354	foliation preferred disseminated Po										
Foliation	115.8	38												
Vein	117.1	26		foliation preferred qtz+cb vein										
Foliation	118.4	35		biotite rich foliation band	117	145	759383	122.5	124	0.007				
Vein	123.1	33		Qtz + tourmaline lined vein along foliation, contains Py blebs within tourmaline cracking.	759384	128	129	0.0025						
Foliation	124.3	42	118											
Foliation	127.7	36	8											
Vein	128.4	40	24	Successive set of 2-3cm thick qtz+-tourmaline veining										
Foliation	130.9	34	355											
Foliation	133.8	25	8											
Vein	133.9	32	15	qtz+-cb vein somewhat along foliation										
Vein	136.1	15	20	qtz+- cb veinlet										
Foliation	136.4	40	18	altered biotite/chloritized foliation bands.										
Contact	139.7	32	22	contact between Intermediate to Mafic Volcanics & Mafic Volcanics highlighted by 4cm thick qtz vein.	145	151.2	759385	146	147	0.157				
Foliation	139.9	38	16											
Vein	143	35	358	qtz+-cb veinlet sets along foliation plane.										
Foliation	143.4	36	6	foliation with parallel qtz+-cb veinlets										
Vein	146.8	32		qtz+-cb vein oriented along foliation										
Vein	147.7	32	18	qtz+-cb vein hosting blebby Po+-Py										
Foliation	148.6	35	18	Po rich foliation bands.										
Foliation	151.8	32	0	foliation with parallel qtz+-cb veinlets										





## DRILL LOG REPORT

From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
151.2	168.6	Metasediment	Vein	152.3	40	202	thin veinlet set cross cutting foliation, chlorite+cg lined.	151.2	165	759391	151	152	0.14
Medium			Foliation	152.8	38	358	Po rich foliation bands			759392	152	153.2	0.608
			Vein	152.9	36	350	qtz vein rimmed with cb+chl alteration, contains trace Po+Py			759393	153.2	154	0.042
			Foliation	154.8	30	2	foliation bands hosting heavily sheared mm scale garnets.			759394	154	155	0.0025
			Vein	156.8	20	6	qtz cb vein along foliation with associated Po blebs in host rock margins.			759395	155	156	0.519
			Vein	157.3	65	282	cm scale qtz+-cb vein crosscutting foliation			759396	156	157	4.55
			Foliation	157.7	32	5				759397	157	158	0.017
			Foliation	160.9	30	12				759398	158	159	0.026
			Contact	161.2	22	358	contact between garnet rich Mafic Metasediments above and rock formation below			759399	159	160.1	0.019
			Vein	161.2	36	348	qtz+cb vein hosting disseminated Py+Po. Chlorite altered rim.			759401	160.1	161	0.116
			Foliation	162.7	38	345	Magnetic relict siltstone bed			759402	161	161.8	1.18
			Foliation	163	42	338	Bedding of BIF			759403	161.8	162.9	2.04
			Vein	166.4	25	2	qtz cb vein below BIF			759404	162.9	164	0.196
			Vein	166.8	25	44	qtz cb vein below BIF			759405	164	165	0.0025
168.6	184.9	Mafic Volcanic	Vein	166.9	42	24	qtz cb vein below BIF	165	190.1	759406	165	165.9	0.0025
Medium to			Foliation	167.1	24	10				759407	165.9	167	0.013
			Vein	168.9	35		qtz cb +-amph vein roughly along foliation.			759408	167	168	0.0025
			Foliation	170.3	48	10	foliated coarse grained gabbro			759409	168	169	0.041
			Vein	170.6	25	18	3 cm thick qtz+-cb vein with chlorite margins.			759411	169	170	0.009
			Vein	172.15	55	14	thick qtz+-cb vein hosting disseminated Py+Po			759412	170	171	0.016
			Foliation	172.7	38	356	foliation alpha angle wavering between 38-65°			759413	171	172	0.014
			Vein	173	45	332	qtz+-cb vein			759414	172	173	0.019
			Vein	175	12		qtz+-cb vein with disseminated Po halo in host rock			759415	173	174.05	0.625
			Foliation	178.2	35	310	qtz cb veining along foliation plane			759416	174.05	175.1	0.107
			Vein	178.2	35	310	qtz cb veining along foliation plane.			759417	175.1	176	0.024
			Vein	179.3	58	190	Po rich qtz+cb veinlet crosscutting magnetite rich band			759418	176	177	0.013
			Foliation	179.4	34	298	magnetite rich band			759419	177	178	0.0025
			Foliation	181.8	50	52				759421	178	179	0.019
			Foliation	181.81	40	336				759422	179	180	0.025
			Vein	182.2	42	80	2cm qtz vein with cb+chlorite alteration.			759423	180	181	0.028
			Vein	182.55	35	114	2cm qtz vein with cb+chlorite alteration.			759424	181	182	0.0025
			Vein	184.9	10	116	Po+py rich qtz cb vein crosscutting gabbro dyke.			759426	182	183	0.017
184.9	210.8	Metasediment	Foliation	188.4	50			190.1	208.9	759427	183	184	0.0025
Fine grained metapelite or mafic volcanic basalt?, dark green black, weak with pockets of strong foliation, poorly developed iron formation from 189.2-189.55m that is moderately magnetic (disseminated magnetite?) hosting thin bands of Po			Vein	189.25	44		cb+qtz vein rimming banded magnetic beds with weak Po wisps (weak Iron formation?)			759428	184	185	0.072
			Vein	189.8	32		Irregular Qtz +-cb vein with disseminated Py +- Po and actinolite chlorite rims			759429	185	186	0.005
			Foliation	190.6	48	344				759431	186	187	0.0025
			Vein	196.05	55	55	Tourmaline rich Po+-Py vein			759432	187	188	0.019
			Foliation	196.5	50	132				759433	188	189	0.0025
			Vein	199.15	40	338	3 cm qtz cb +- tourm vein hosting subhedral Py + Po.			759434	189	190	0.0025
			Vein	199.3	45	290	Qtz cb rimmed Tourmaline rich vein with weak Py +Po mineralization.			759435	190	191	0.0025
			Foliation	199.65	42	350				759436	191	192	0.0025
			Foliation	200.05	45	348	magnetite rich foliation planes			759437	192	193	0.0025
			Foliation	200.25	45	2	magnetite rich foliation planes			759438	193	194	0.0025
			Vein	202.6	54	238	qtz cb veinlet cross cutting foliation.			759439	194	195	0.0025
			Foliation	202.8	38	12				759441	195	195.9	0.0025
			Foliation	205.7	43	340				759442	195.9	197	0.006
			Vein	205.9	30	22	thin cb+-qtz veinlet oblique to foliation.			759443	197	198	0.0025
										759444	198	199	0.0025
										759446	199	200	0.0025
										759447	200	201	0.0025
										759448	201	202	0.0025

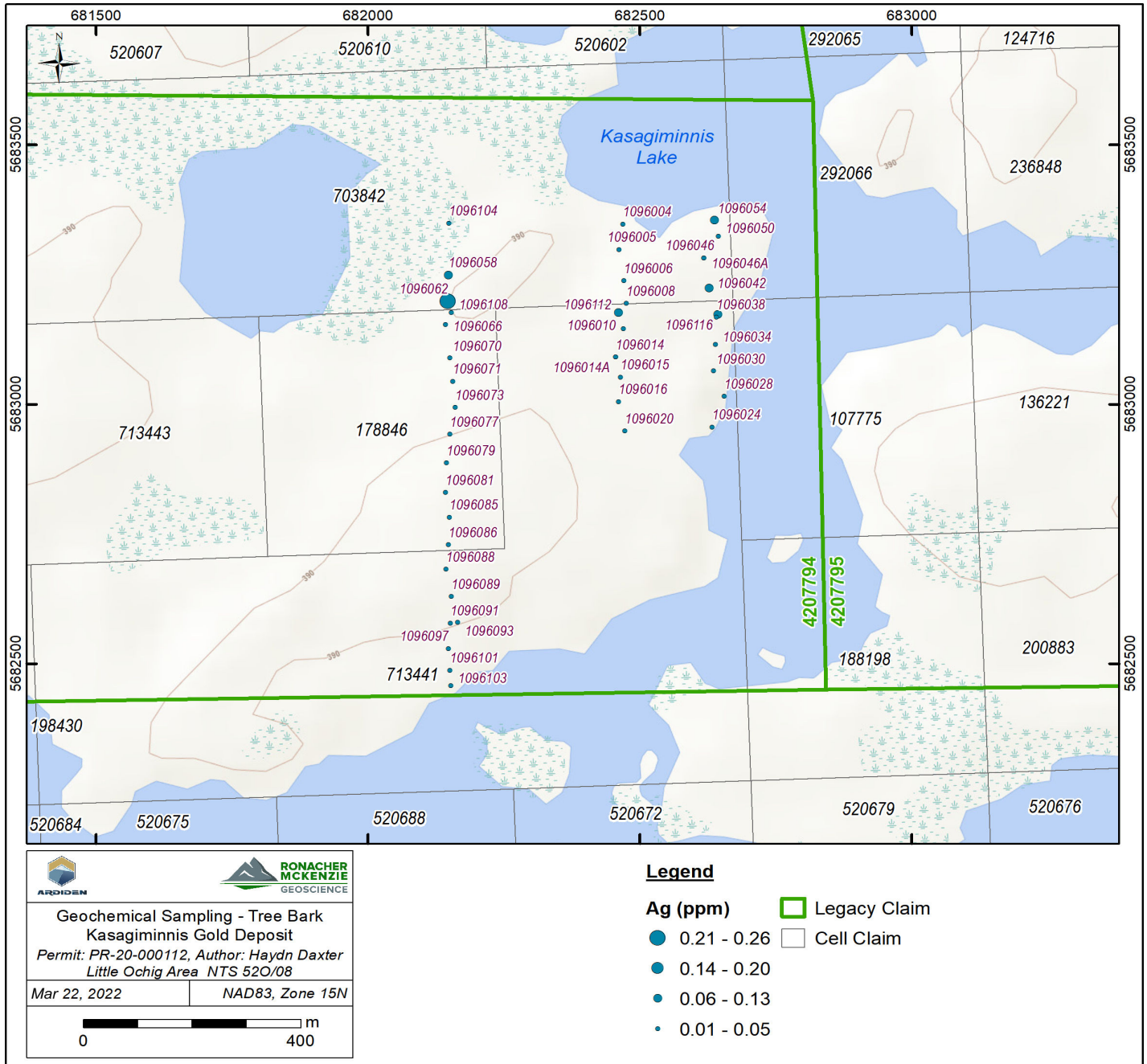


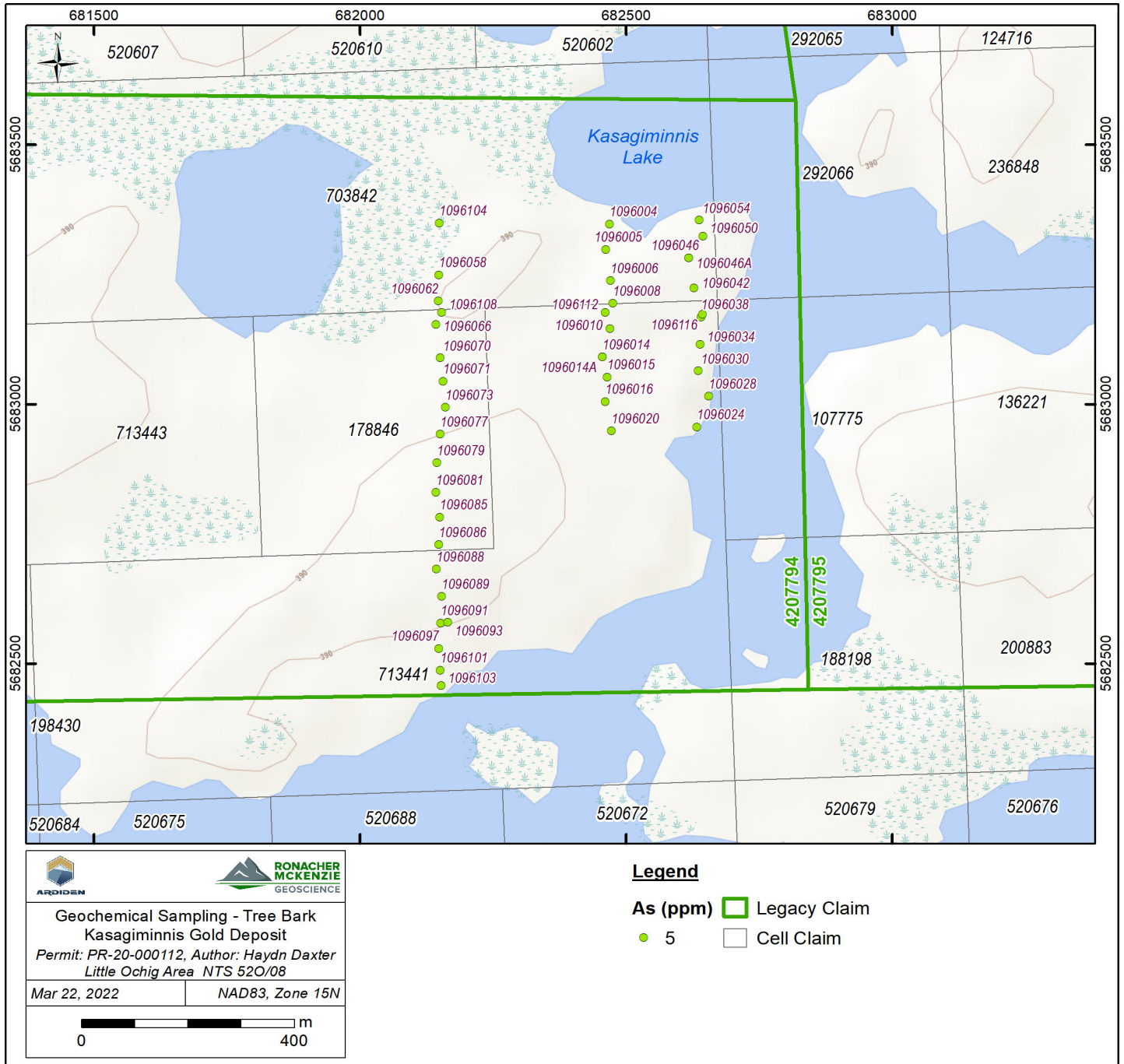
## DRILL LOG REPORT

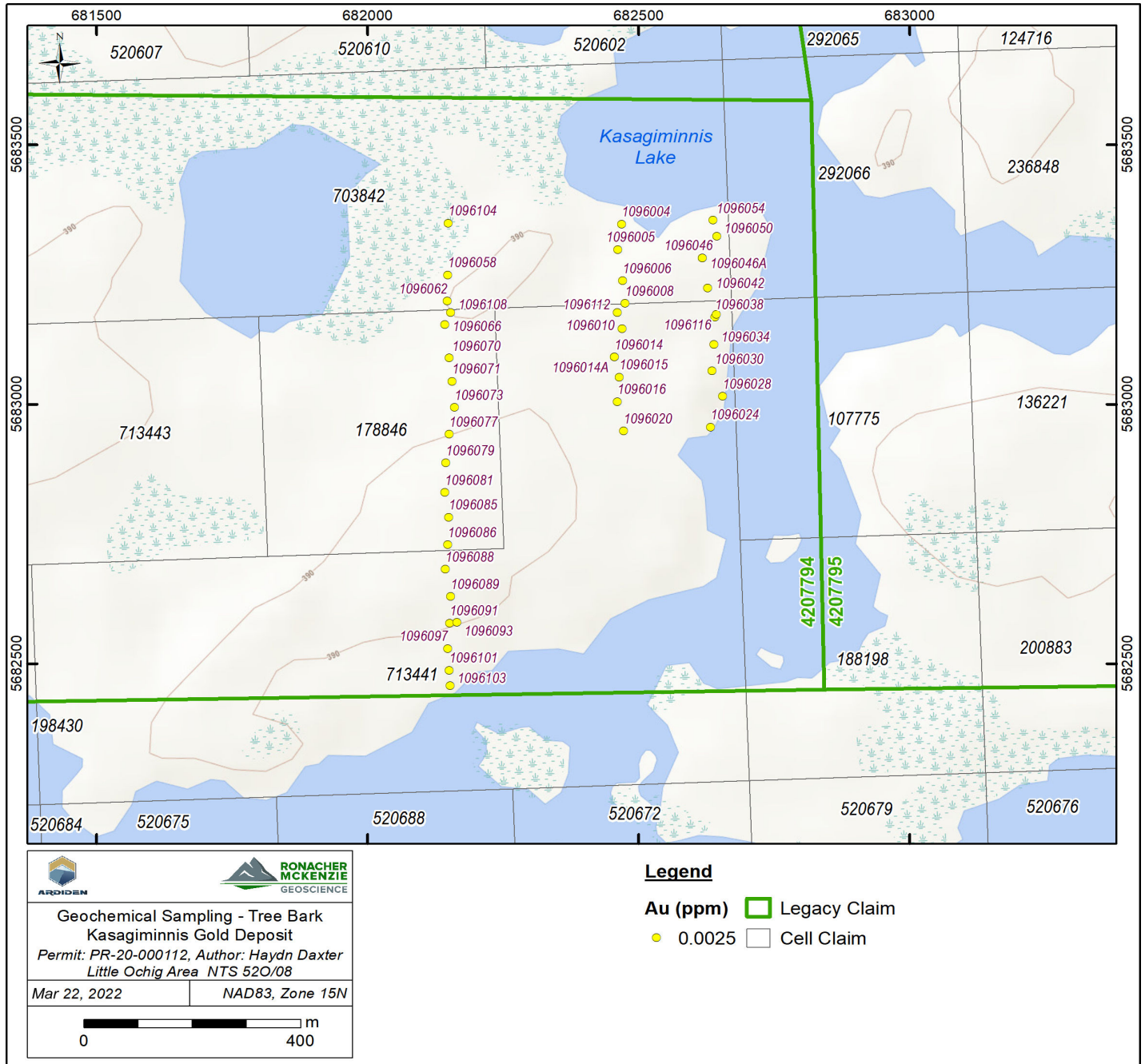
From (m)	To (m)	Lithology	Structure	Depth (m)	Alpha (°)	Beta (°)	Structure Comments	MINERALIZATION		Sample ID	From (m)	To (m)	Au (g/t)
								From (m)	To (m)				
			Vein	208.5	55		Tourmaline+cb vein hosting weak Po+-Py mineralization			759449	202	203	0.0025
			Foliation	210	55		biotite rich foliation plane.			759451	206	207	0.011
										759452	207	208	0.007
										759453	208	209	0.01
										759454	209	210	0.012
										759455	216.5	218	0.016
<b>210.8</b>	<b>226.7</b>	<b>Mafic-Intermediate Volcanic</b>	Foliation	211.5	52	348		<b>208.9</b>	<b>225.2</b>				
		Heavily qtz flooded Mafic to Intermediate Volcanic, gradational top contact, strongly foliated, <5-50cm thick qtz banding with trace disseminated Po+-Py brimmed margins, slightly less silicified dark tan red fine to medium grained intermediate/mafic mixed	Vein	211.8	48	242	qtz+-cb vein along foliation	trace disseminated Py within heavily chloritized clots, trace Py+-Po along qtz veining chloritized margins.					
			Vein	212.7	45	8	thick qtz vein						
			Vein	214.05	60		thick bull qtz vein, trace disseminated Py along cb+chlorite altered contacts.						
			Foliation	216.8	52	20							
			Vein	217.25	36	350	thick bull qtz vein, trace disseminated Py along cb+chlorite altered contacts.						
			Vein	219.8	38	354	thin cb+qtz veinlet						
			Foliation	220	45	350							
			Vein	220.15	38	8	thick bull qtz vein, trace disseminated Py along cb+chlorite altered contacts.						
			Vein	223.9	36	342	cb+qtz veinlet						
			Foliation	225.3	42	354	foliation with thin paralleling cb veining						
			Foliation	226.2	42	338							
<b>226.7</b>	<b>257</b>	<b>Gabbro</b>	Vein	230.3	35	202	qtz+cb vein crosscutting weak foliation	<b>225.3</b>	<b>257</b>	759456	235	236	0.256
		Coarse grained gabbro, grey to grey green, massive to local strong sheared/foliated zones associated w/ qtz+cb veining, sporadic biotite+amphibole-phyric rich beds in top half of unit, minor fine cb+qtz veinlets throughout, moderately disseminated Po	Foliation	231.7	45	320	biotite + amphibole phenos scewed along foliation.	Overall interval host little to no mineralization, only local pckets of mostly Po disseminations - 241.55-242.2m cb+chlorite rich shear zone hosting moderate Po blebs, tourmaline rich irregular vein at 235.8m also hosts weak Po mineralization.		759457	236	237	0.038
			Foliation	233.1	38	338	foliated coarse grained biotite + amphibole phenos			759458	240.4	241.4	0.009
			Vein	235.1	15	320	qtz+cb vein oblique to weak foliation			759459	241.4	242.5	0.101
			Vein	235.7	28	112	Tourmaline, wtz+cb vein hosting moderate disseminated Po mineralization within tourmaline crackling			759461	242.5	243.3	0.011
			Vein	241.5	48	324	cb+qtz veining along mineralized (Po) shear zone						
			Contact	242.1	52	0	lower contact of Po mineralized shear zone within gabbro.						
			Vein	244.3	60	260	qtz+cb vein						
			Vein	245.3	40	8	irregular qtz+cb veinlet						
			Vein	247.9	14	88	thin amphibole rich chlorite fracture/veinlet.						
			Foliation	248.4	35		faint foliation in pocket of coarse grained gabbro						
			Vein	249.2	40	212	qtz+cb veinlet						
			Foliation	249.5	45	4	very weak foliation in coarse grained gabbro.						
			Vein	253.8	32	10	well silicified qtz vein 2cm thick						
			Vein	254.6	52	178	thin qtz cb veinlet						
			Vein	256.9	70	332	cb+qtz veinlet						

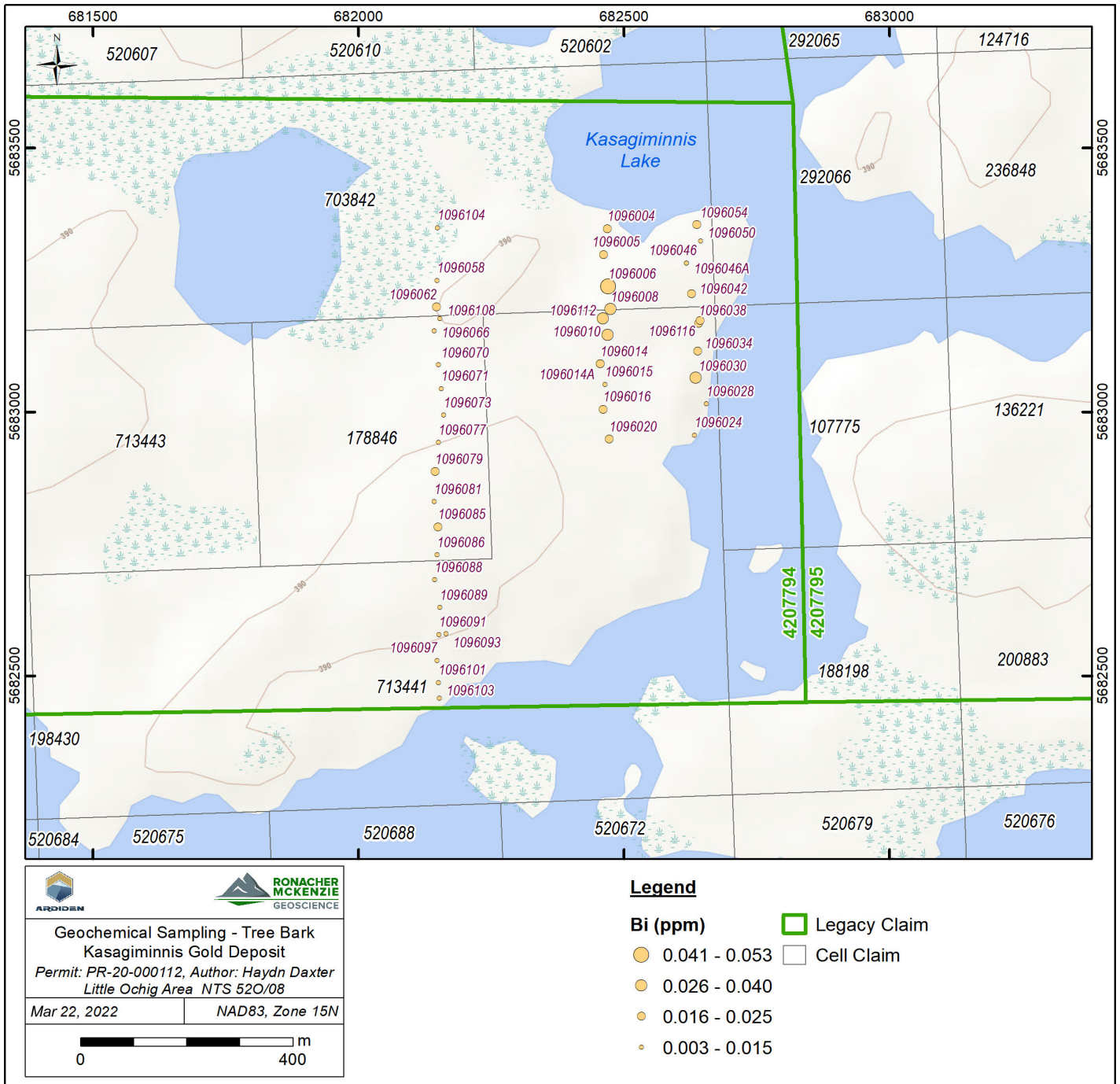
### 3 Appendix III Soil Sampling Maps

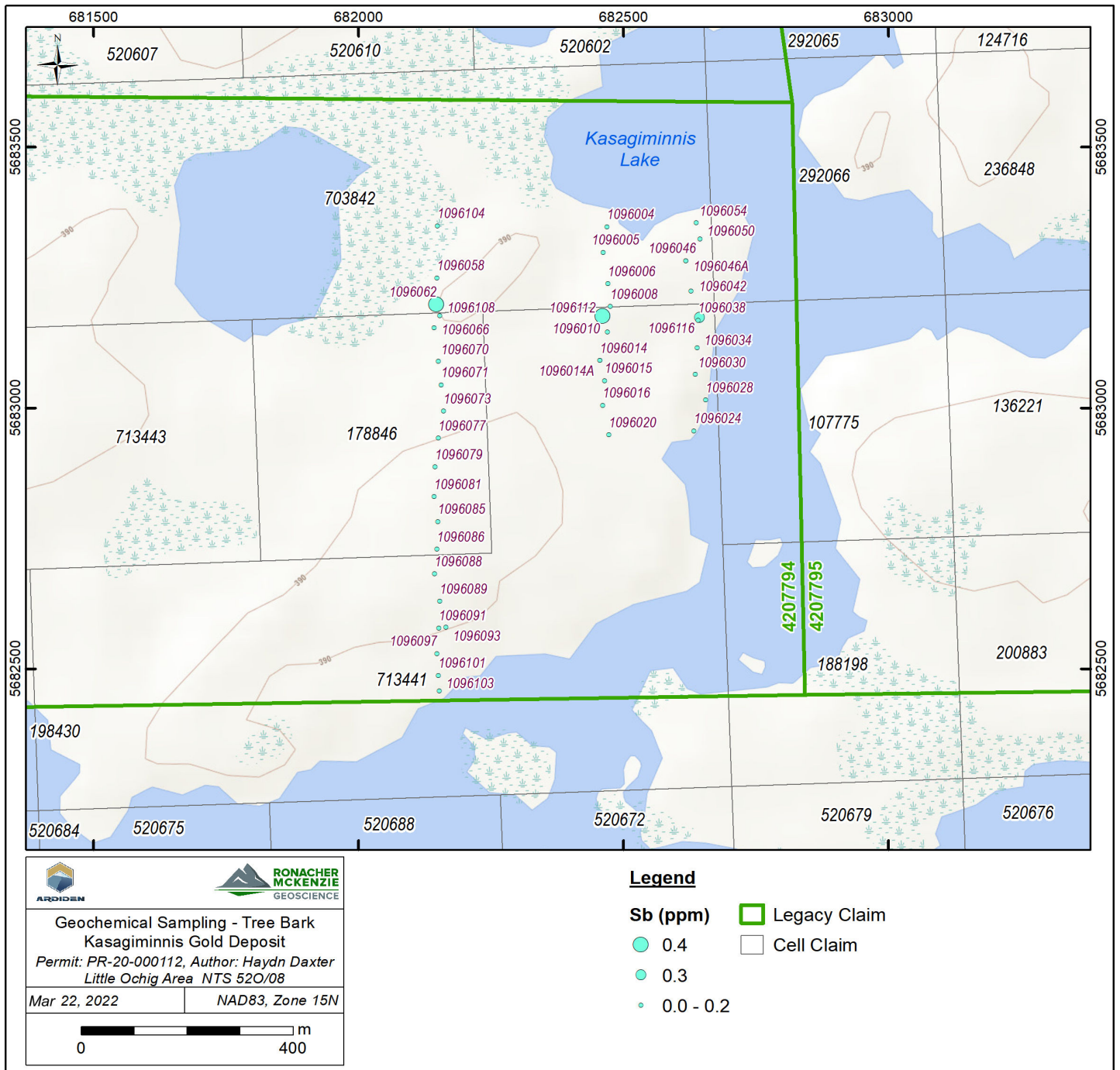
#### Tree Bark Sample Maps by Pathfinder Element















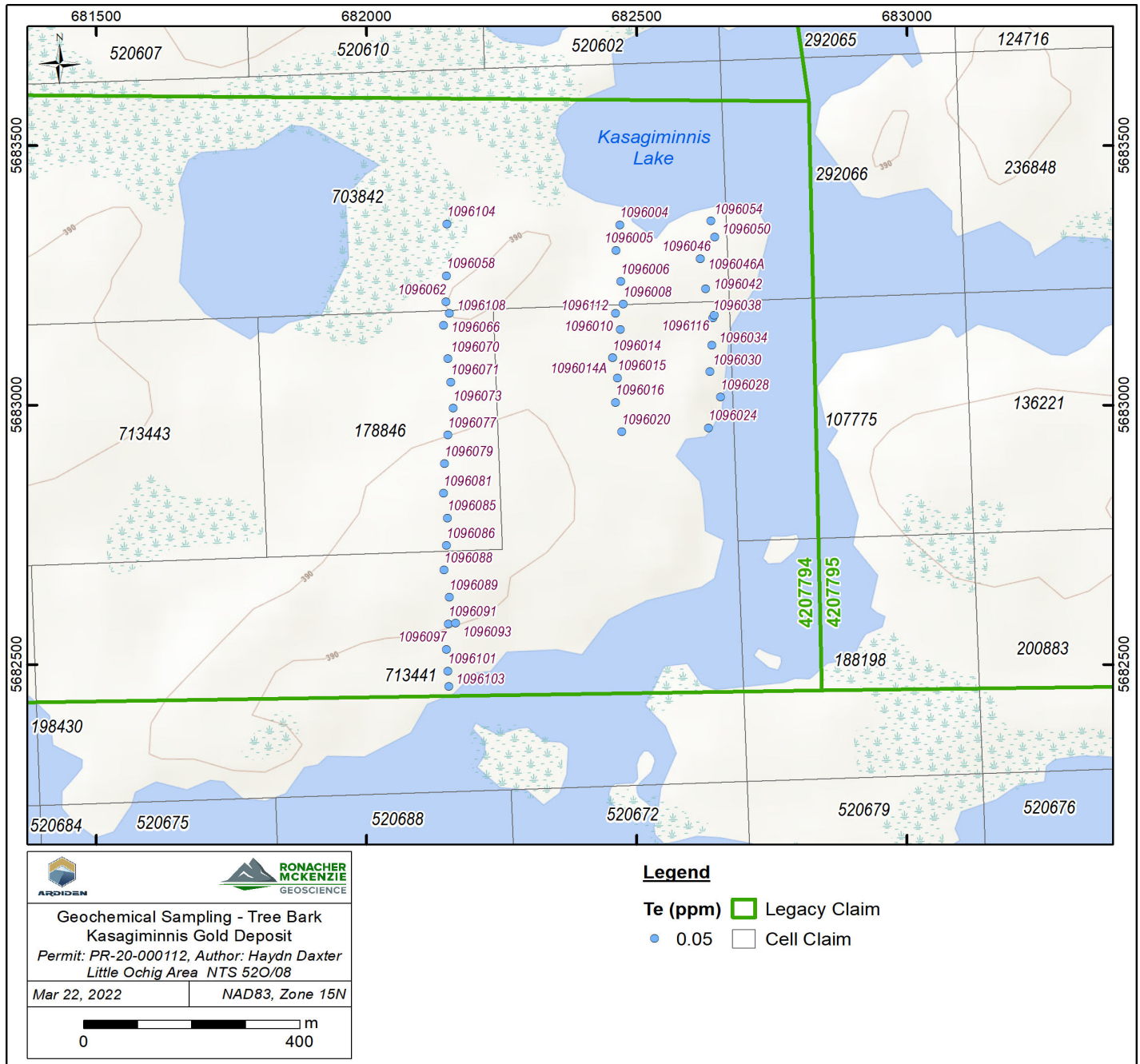




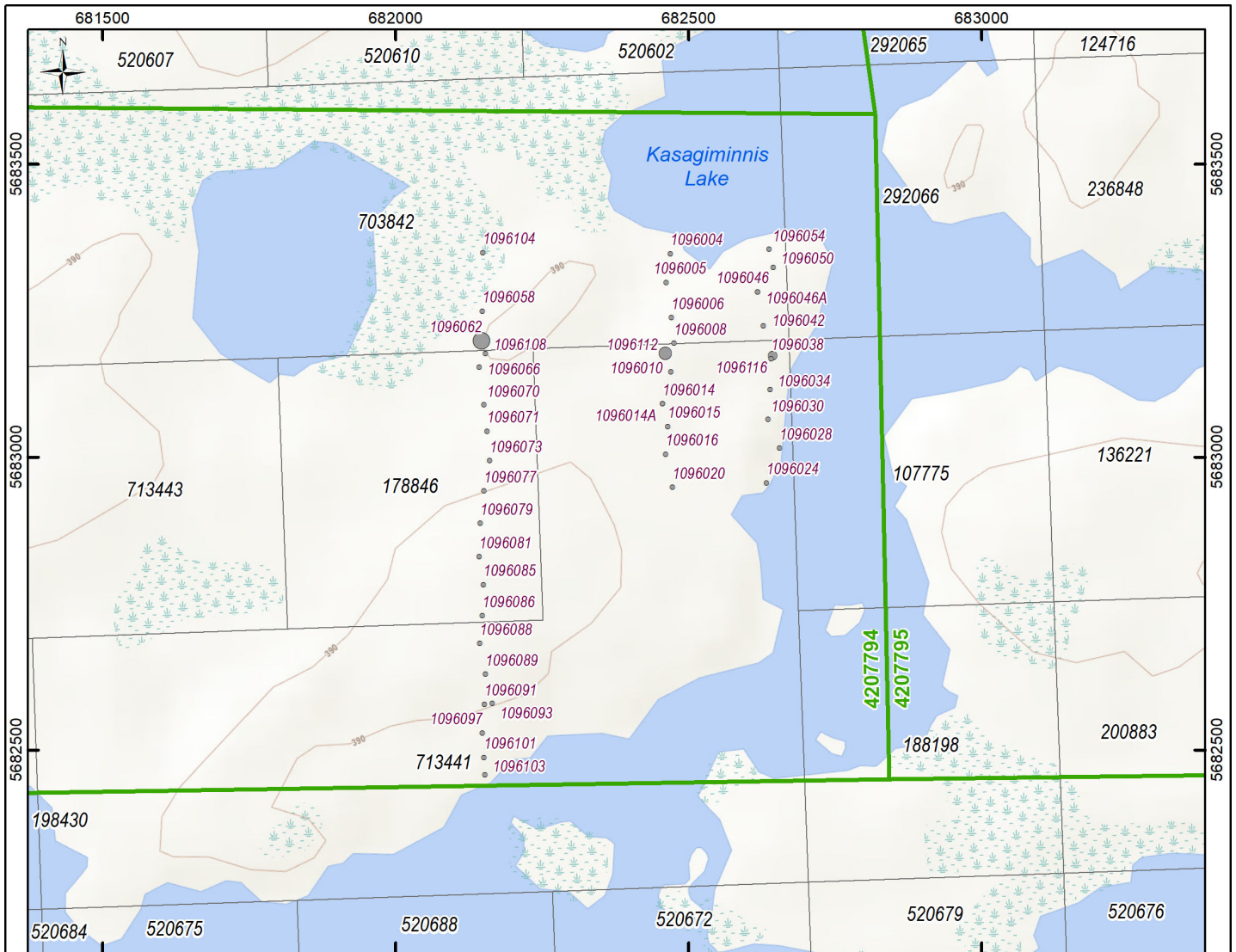
 	
<p>Geochemical Sampling - Tree Bark Kasagiminnis Gold Deposit Permit: PR-20-000112, Author: Haydn Daxter Little Ochig Area NTS 52O/08</p>	
Mar 22, 2022	NAD83, Zone 15N
	




**Legend**

 0.4	 Legacy Claim
 0.3	 Cell Claim
 0.0 - 0.2	





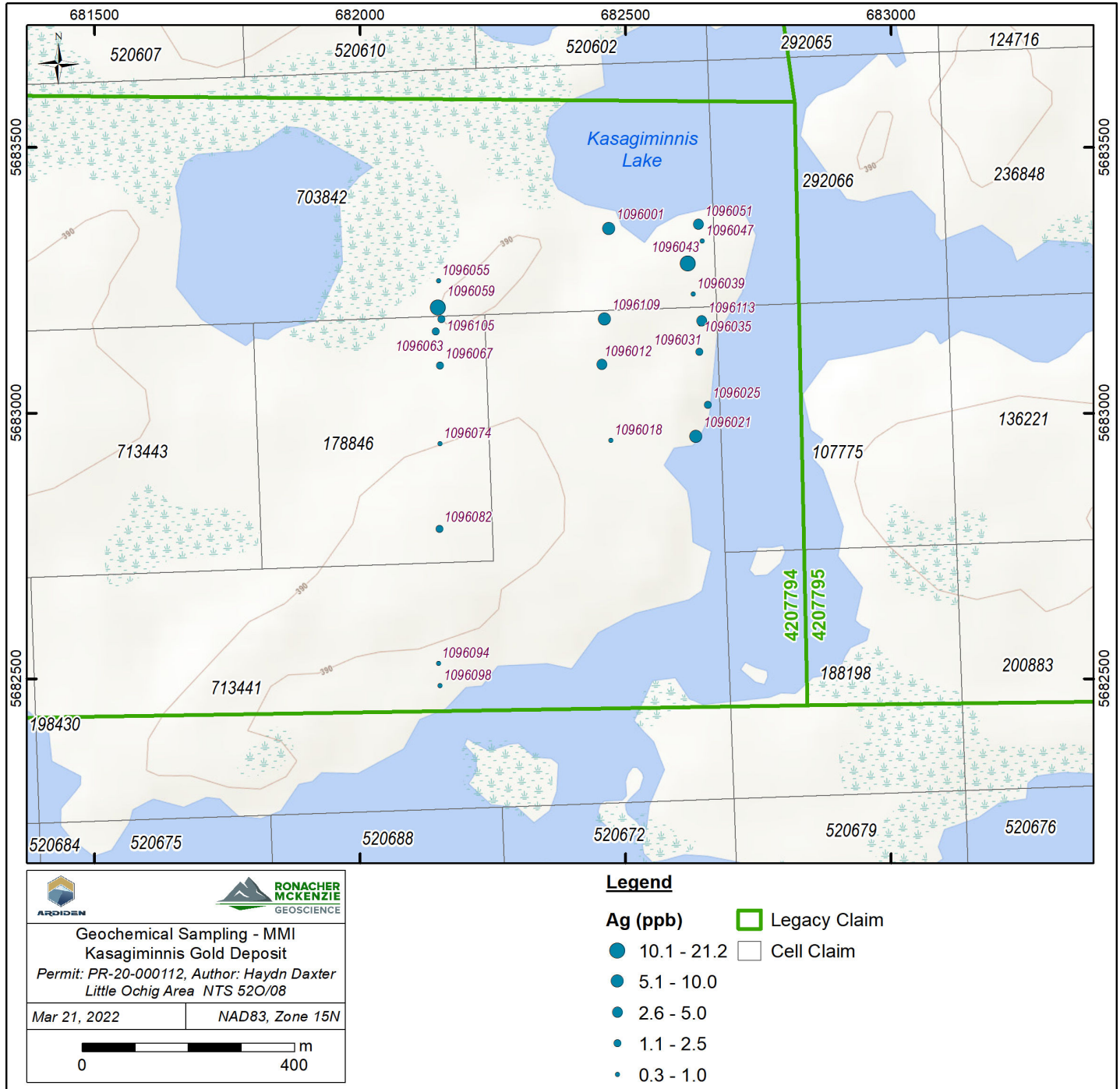


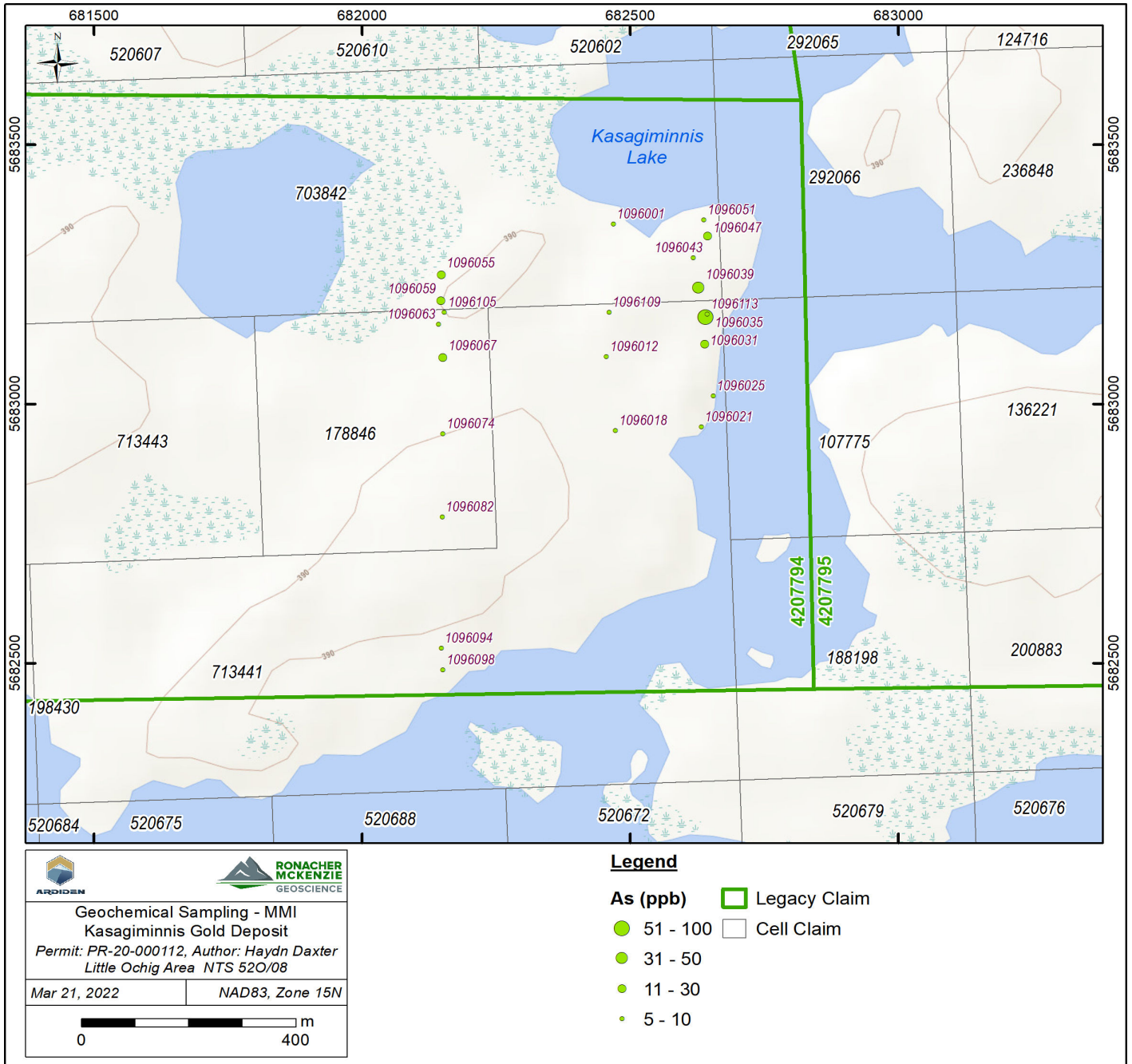
 	
<p>Geochemical Sampling - Tree Bark Kasagiminnis Gold Deposit Permit: PR-20-000112, Author: Haydn Daxter Little Ochig Area NTS 52O/08</p>	
Mar 22, 2022	NAD83, Zone 15N
	

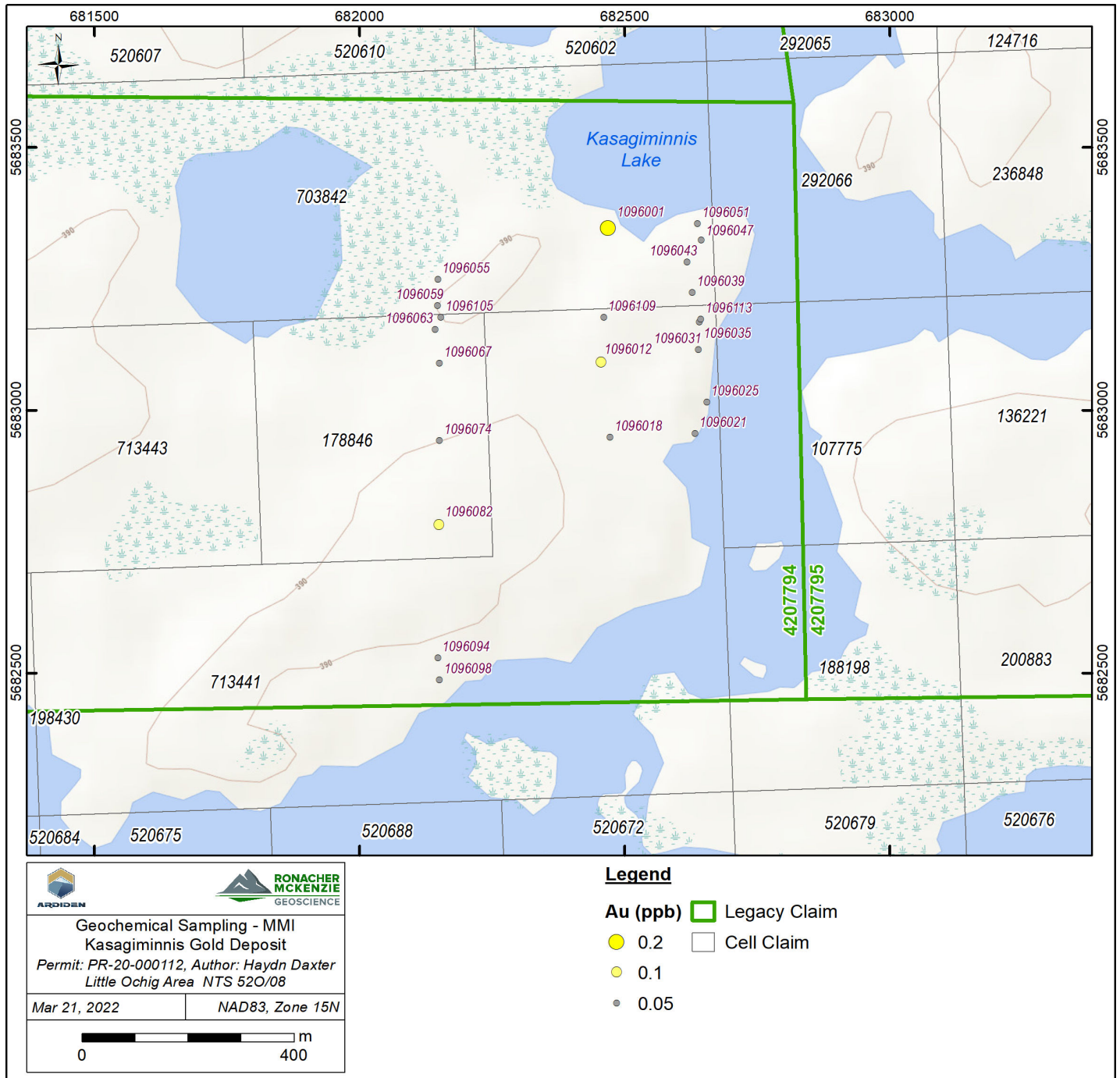
**Legend**

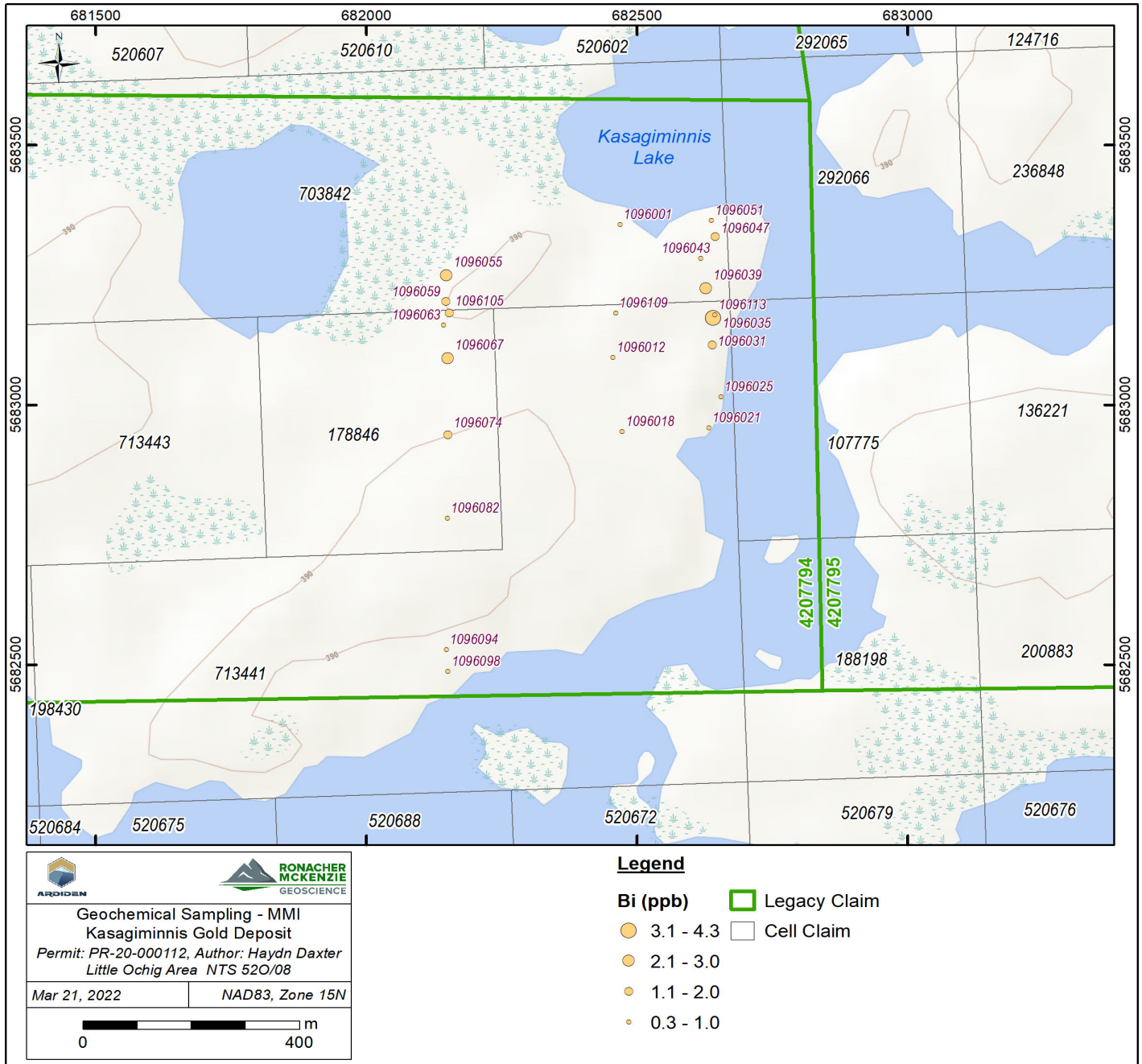
- W (ppm)**
- 0.11 - 0.12
  - 0.06 - 0.10
  - 0.04 - 0.05
  - 0.00 - 0.03
- Legacy Claim  
 Cell Claim

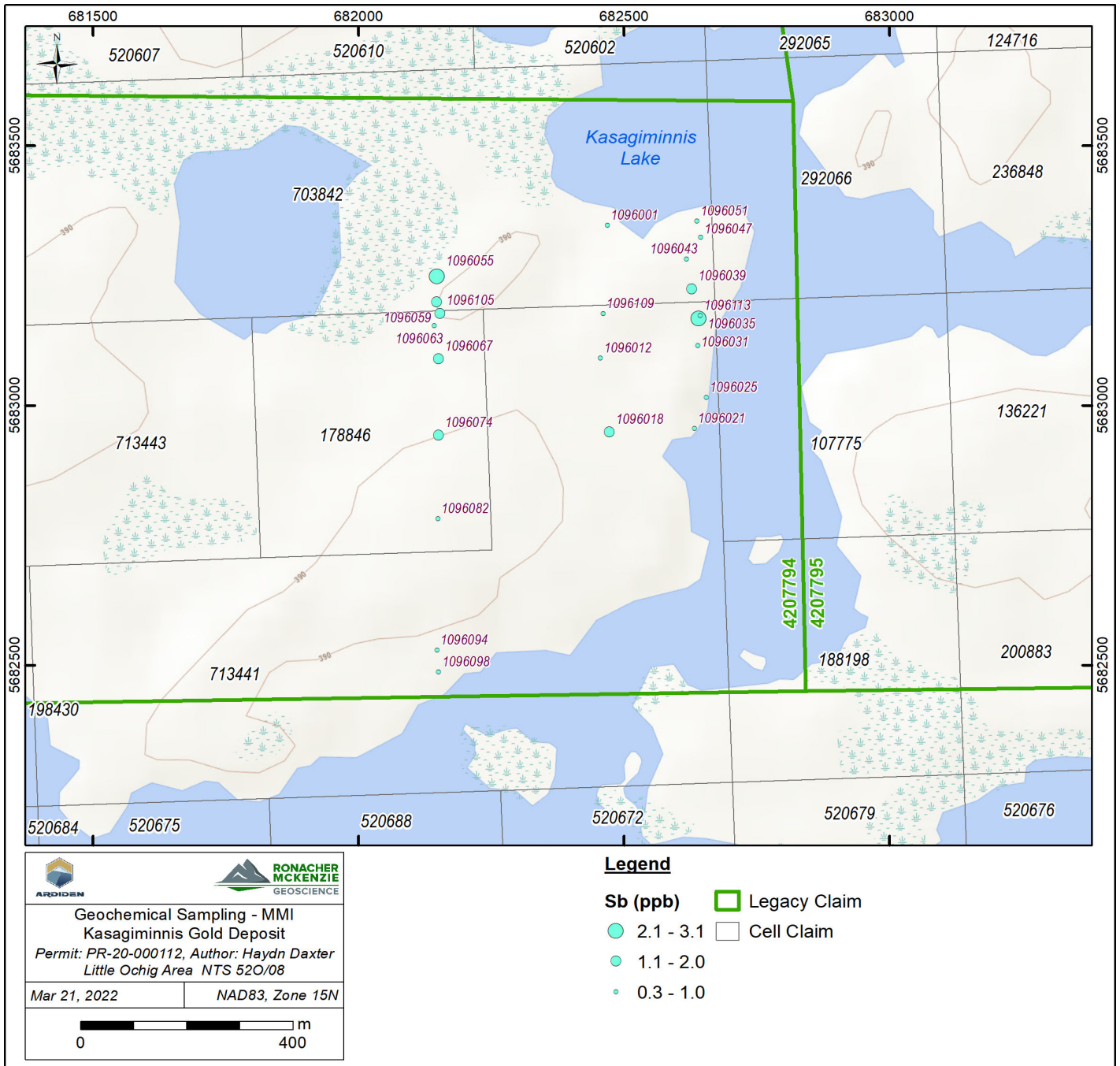
**MMI Sample Maps by Pathfinder Element**

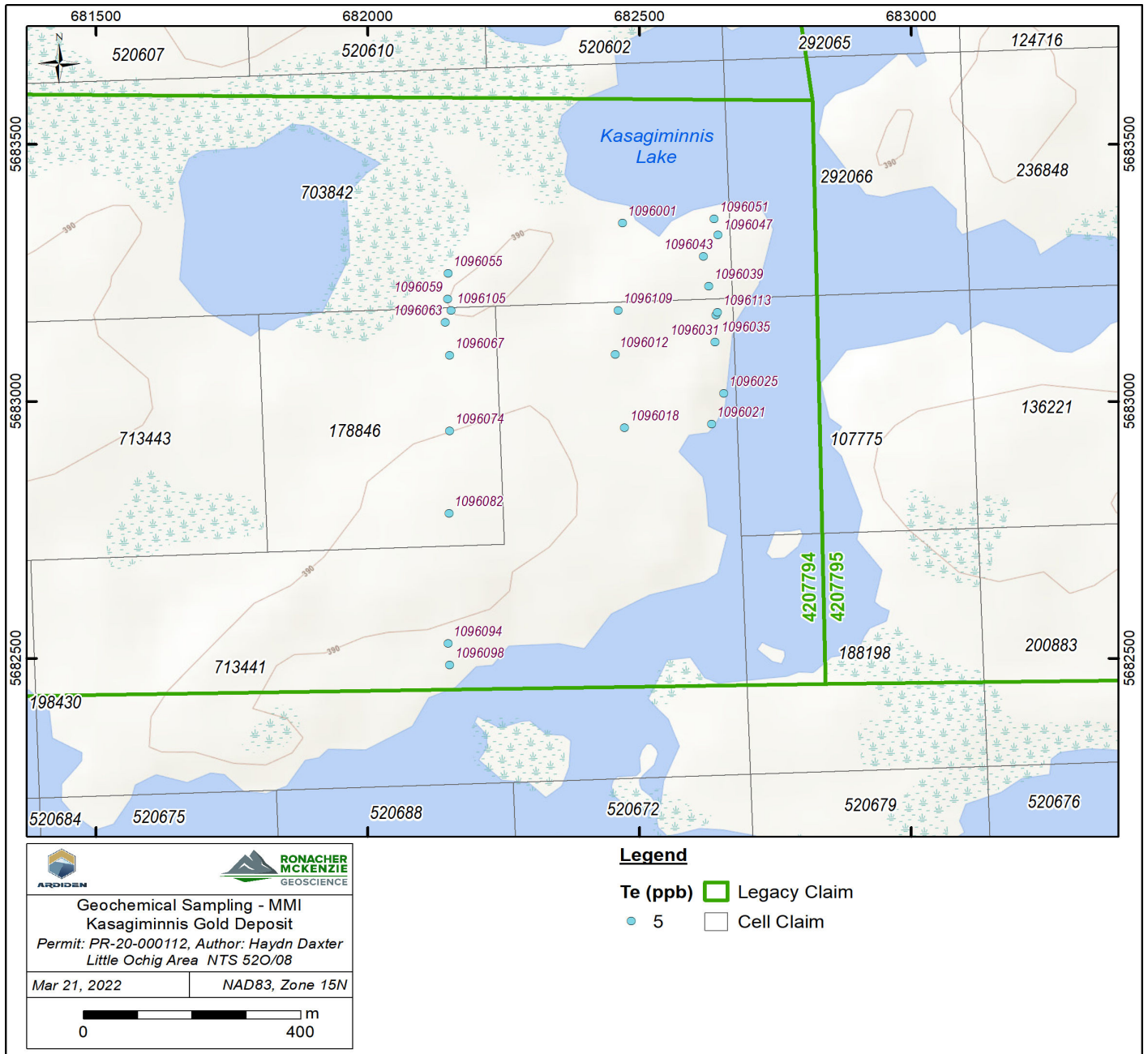


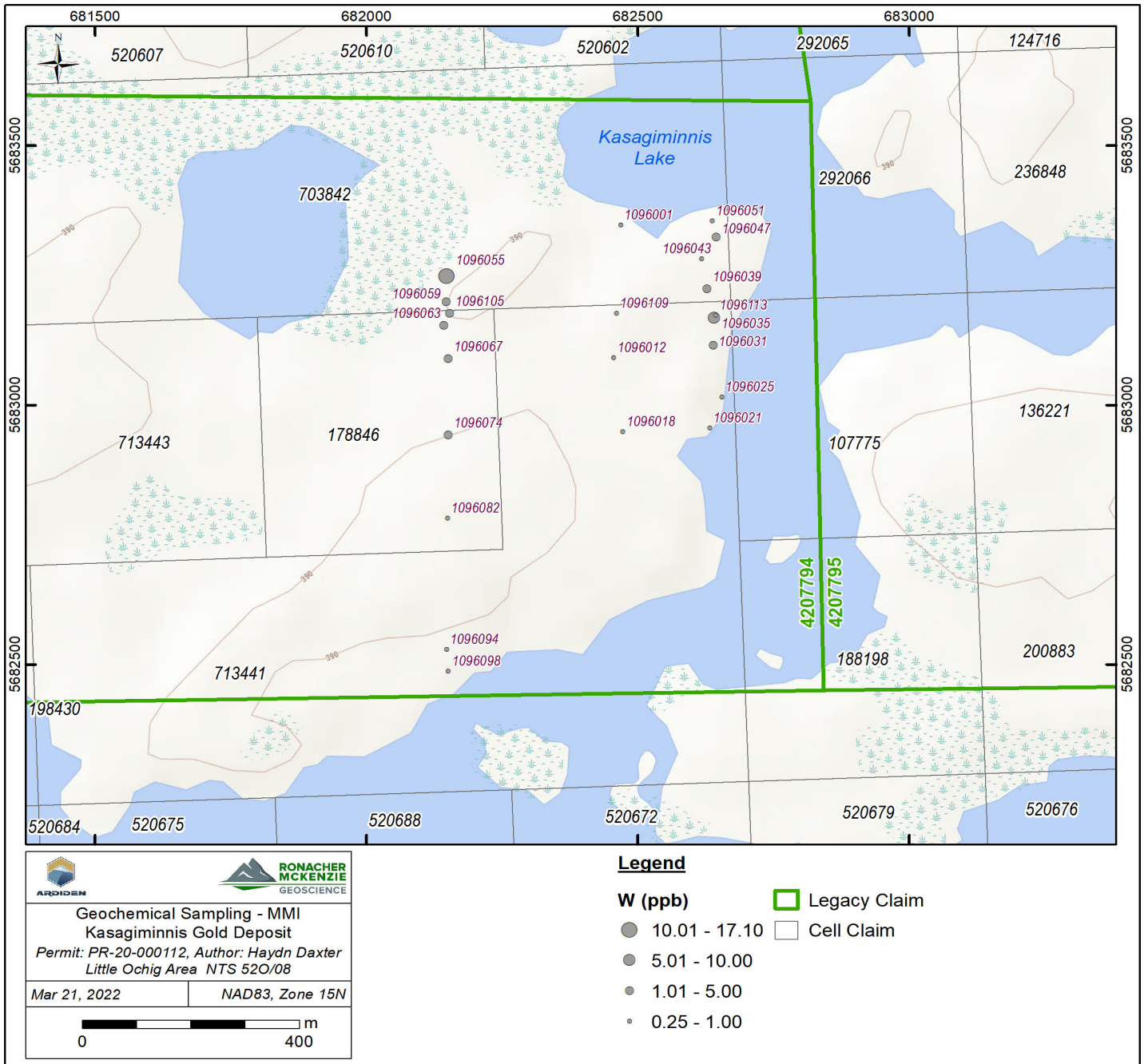






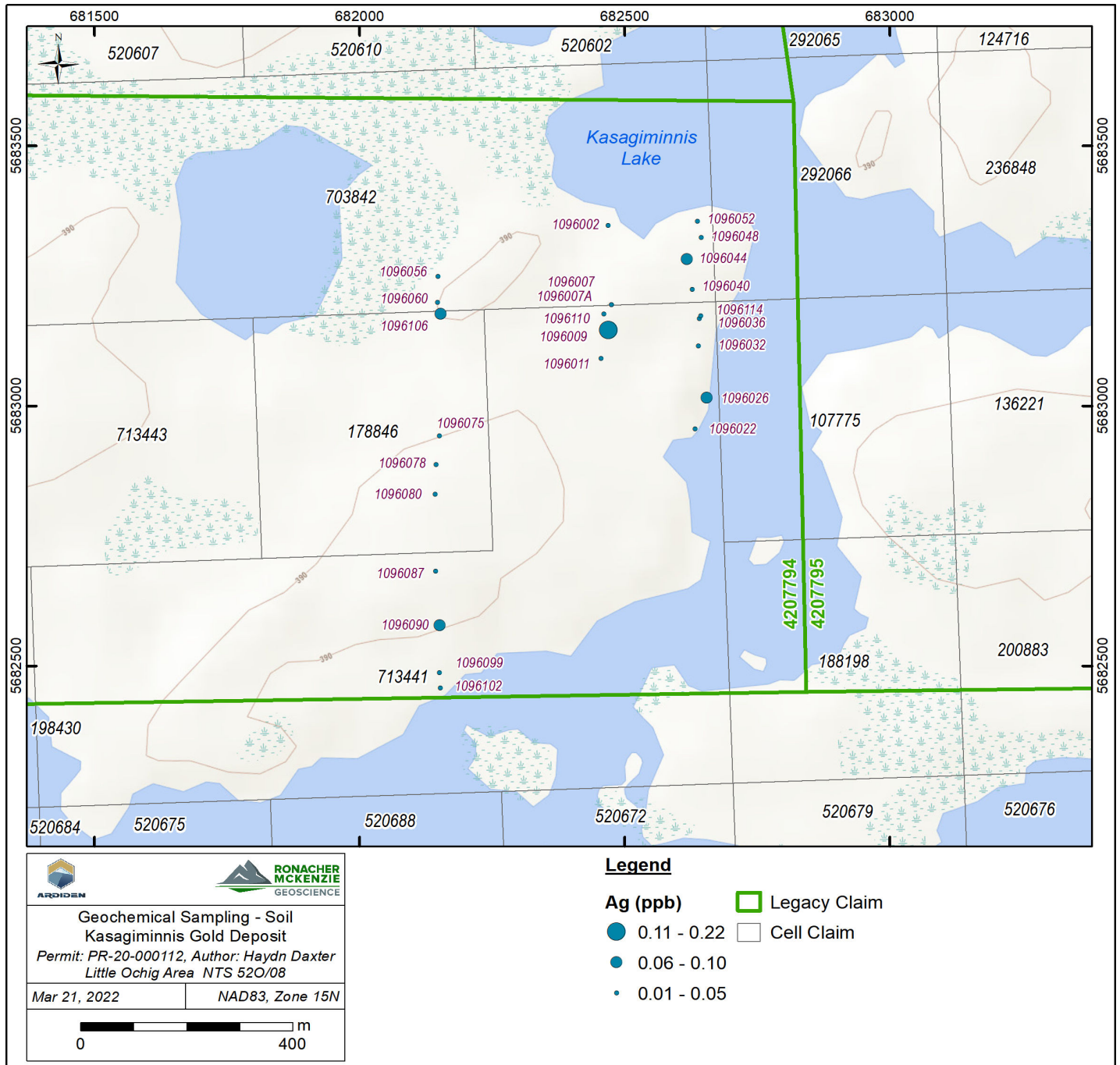


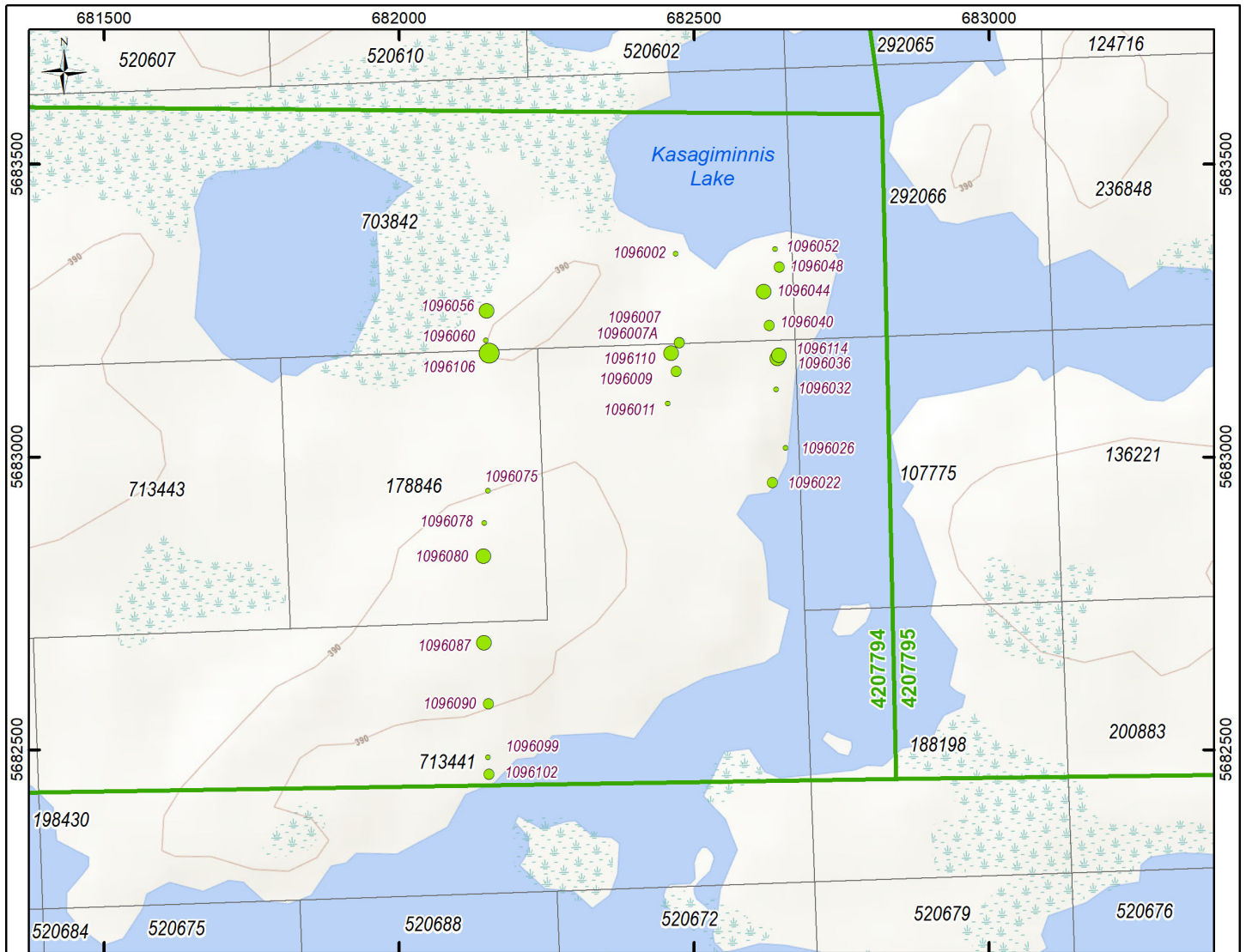















Soil Sample Maps by Pathfinder Element

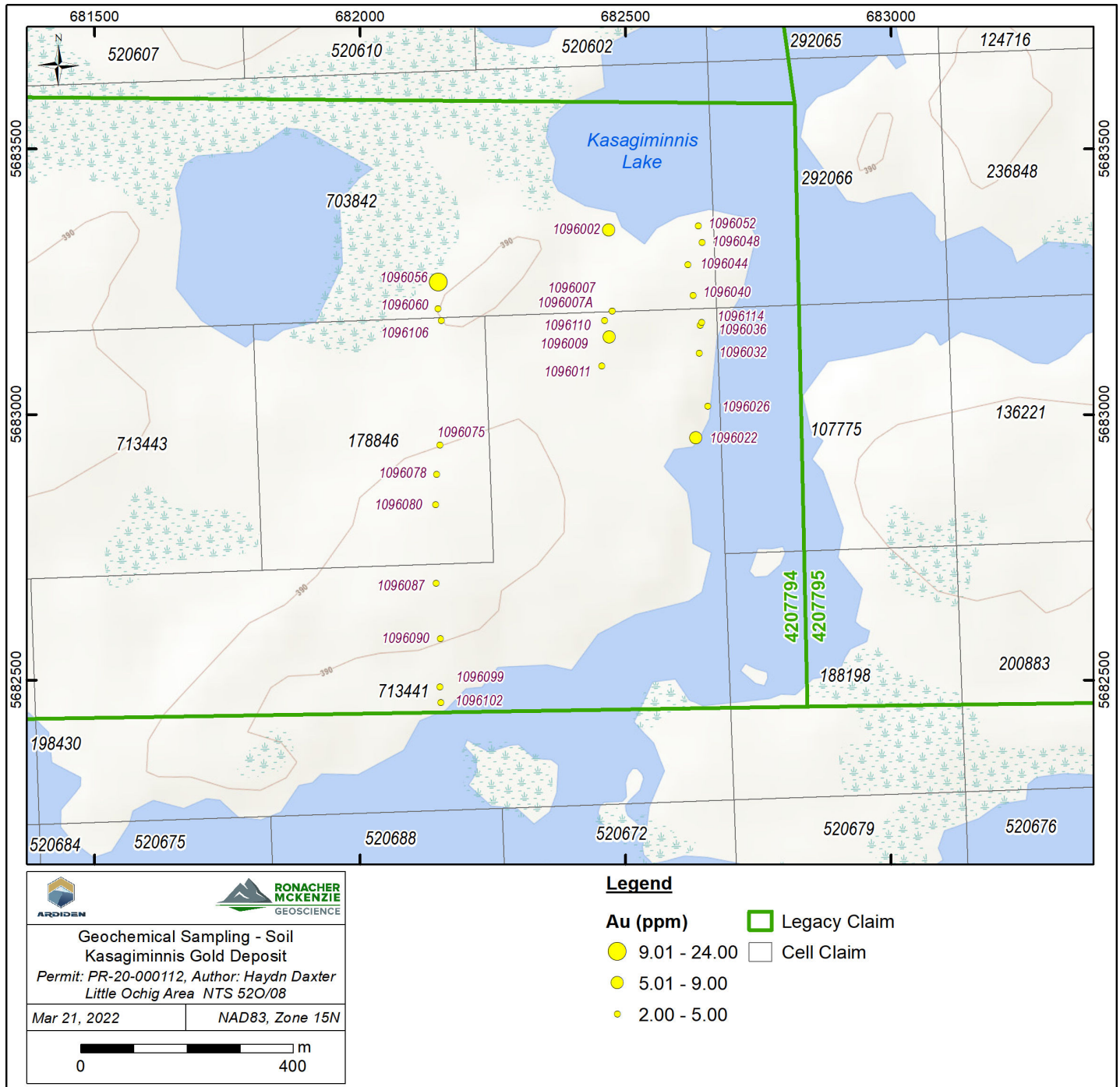


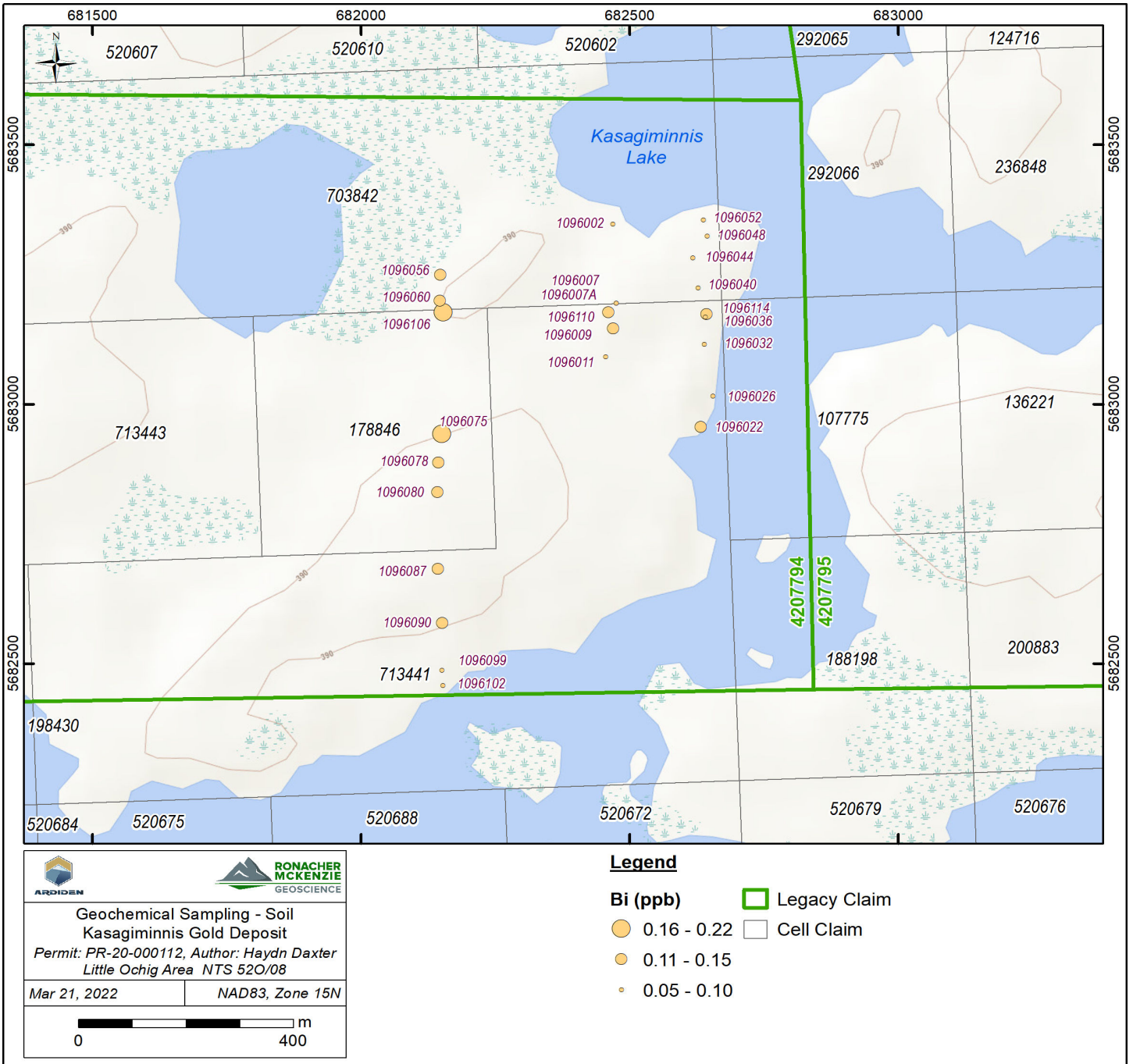


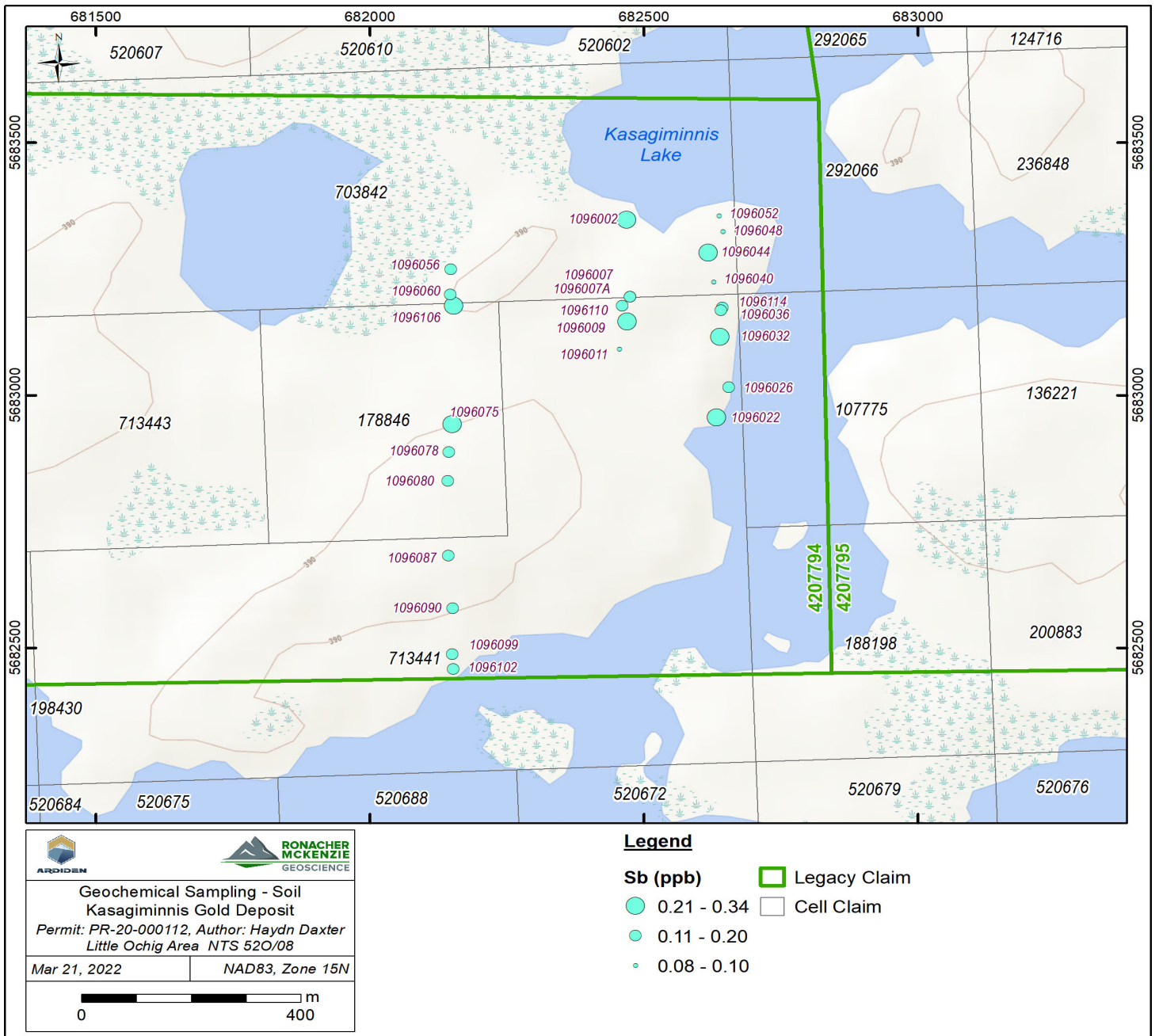
 	
<p>Geochemical Sampling - Soil Kasagiminnis Gold Deposit Permit: PR-20-000112, Author: Haydn Daxter Little Ochig Area NTS 52O/08</p>	
Mar 21, 2022	NAD83, Zone 15N
	

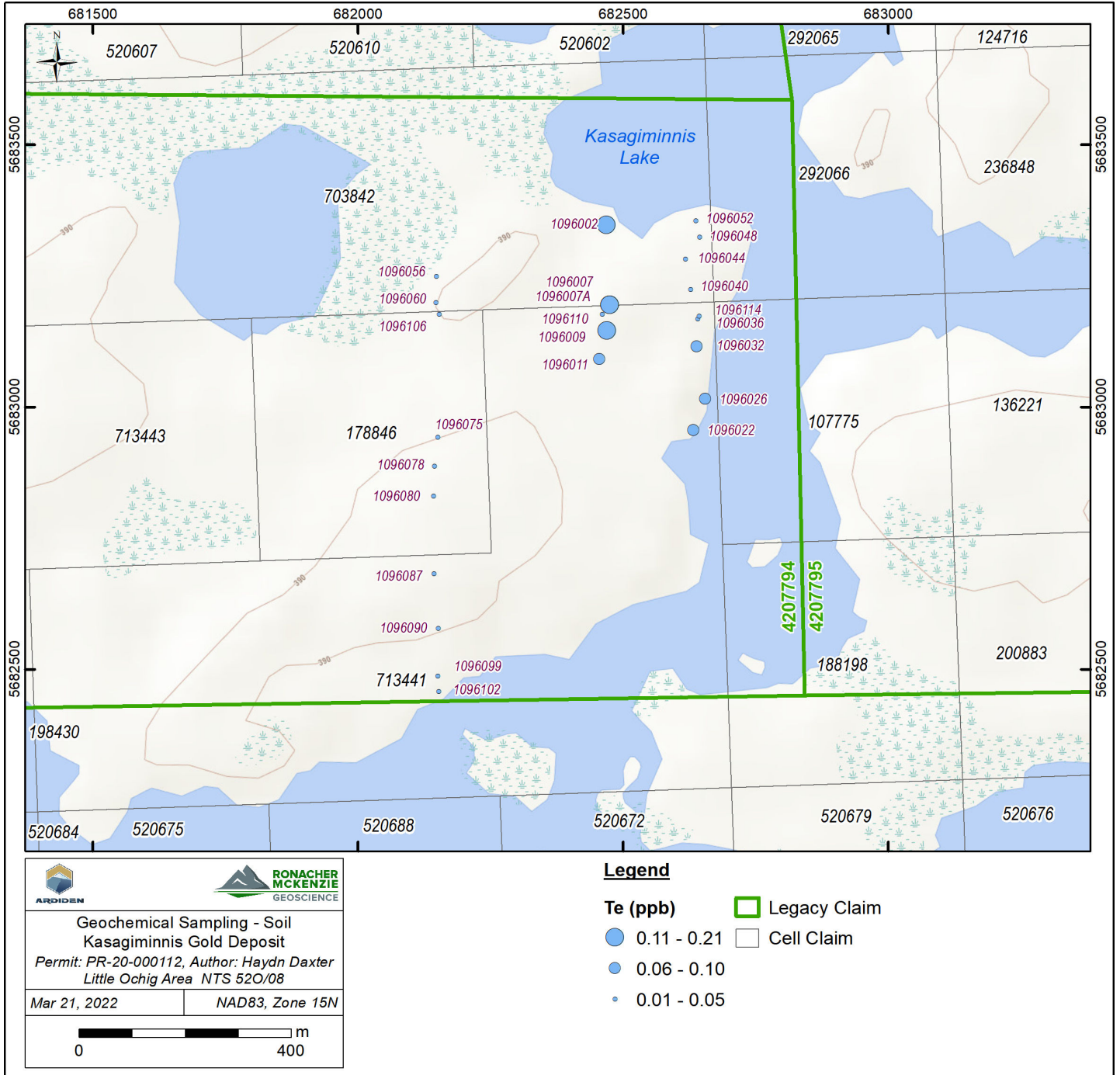
**Legend**




	As (ppb) 2.6 - 3.3		Legacy Claim
	As (ppb) 1.1 - 2.5		Cell Claim
	As (ppb) 0.6 - 1.0		
	As (ppb) 0.3 - 0.5		





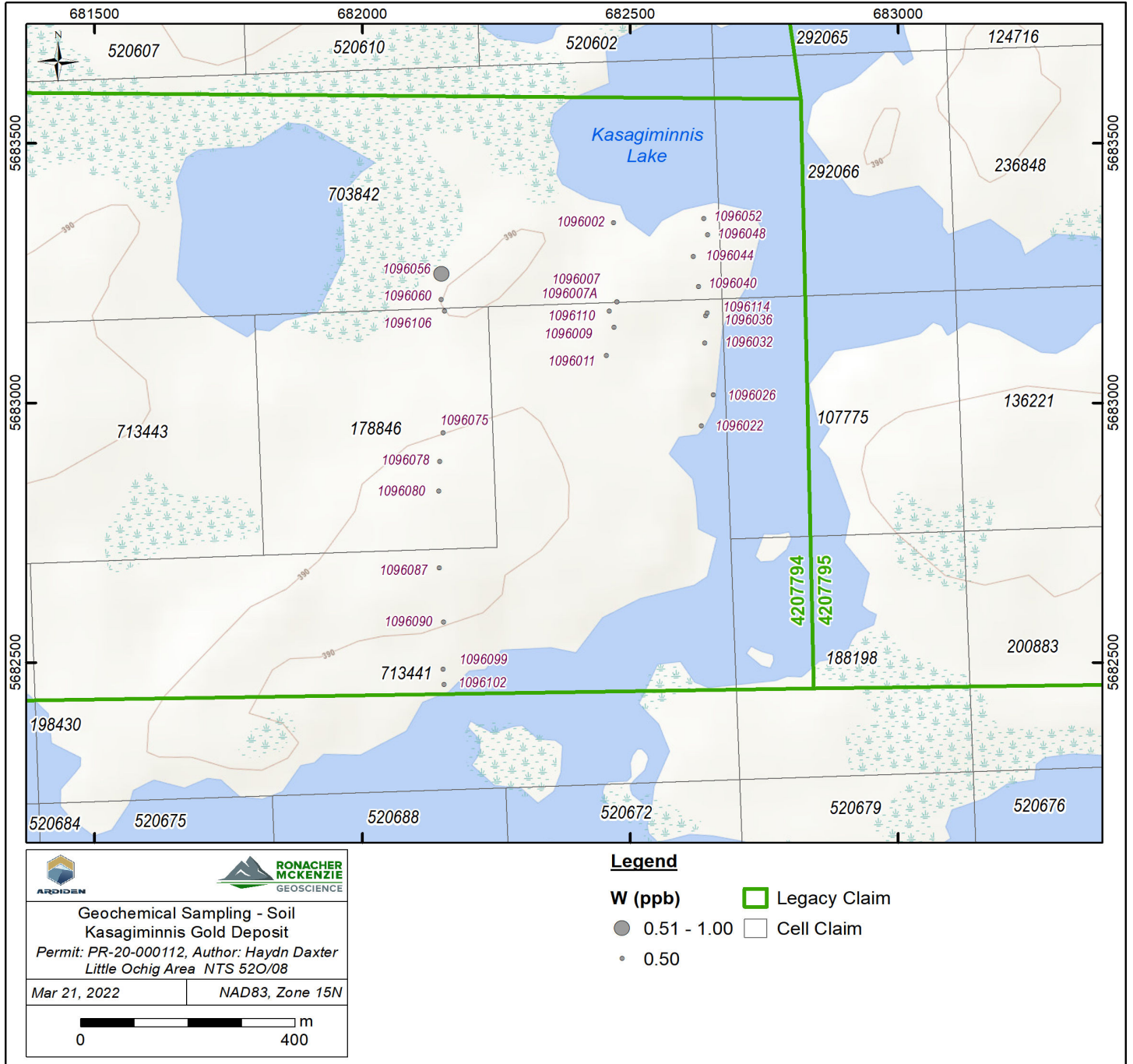




 	
<p>Geochemical Sampling - Soil Kasagiminnis Gold Deposit</p>	
<p>Permit: PR-20-000112, Author: Haydn Dexter Little Ochig Area NTS 520/08</p>	
<p>Mar 21, 2022</p>	<p>NAD83, Zone 15N</p>
	

**Legend**

● Te (ppb)	□ Legacy Claim
● 0.11 - 0.21	□ Cell Claim
● 0.06 - 0.10	
● 0.01 - 0.05	



## **4 Appendix IV Assays**





Report No.: A20-10970
Report Date: 20-Oct-20
Date Submitted: 14-Sep-20
Your Reference:

Ardiden Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Daniel Grabiec

CERTIFICATE OF ANALYSIS

245 Core samples were submitted for analysis.

Table with 3 columns: Analytical package, Description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A20-10970

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample 1095120 and 1095180 were Insufficient for further Analyses. For information purposes only here are the actual values: 1095120 A20-10970-50 5.080 1095180 A20-10970-110 5.152

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com







Results

Activation Laboratories Ltd.

Report: A20-10970

Table with 23 columns: Analyte Symbol, Au, Ag, Cd, Cu, Mn, Mo, Ni, Pb, Zn, Al, As, B, Ba, Be, Bi, Ca, Co, Cr, Fe, Ga, Hg, K, La. Includes headers for Unit Symbol, Lower Limit, Method Code, and rows for samples 1095224 through 1095274.

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095275	11	< 0.2	< 0.5	188	459	< 1	58	4	30	2.08	< 2	< 10	16	< 0.5	< 2	2.79	25	62	3.03	< 10	< 1	0.08	< 10
1095276	< 5	0.3	< 0.5	110	778	< 1	31	< 2	77	2.42	< 2	< 10	11	< 0.5	< 2	2.80	28	34	5.33	< 10	< 1	0.05	< 10
1095277	< 5	< 0.2	< 0.5	158	847	< 1	21	< 2	59	2.27	< 2	< 10	11	< 0.5	< 2	2.51	31	10	6.97	< 10	3	0.04	< 10
1095278	< 5	< 0.2	< 0.5	156	893	< 1	19	< 2	64	2.34	< 2	< 10	11	< 0.5	< 2	2.79	31	8	7.91	< 10	2	0.04	< 10
1095279	< 5	< 0.2	< 0.5	131	817	< 1	13	< 2	41	2.02	< 2	< 10	12	< 0.5	< 2	3.08	26	4	7.10	< 10	3	0.04	< 10
1095280	3160	10.7	5.3	74	441	5	27	364	729	1.30	4050	< 10	48	< 0.5	< 2	2.33	11	26	7.97	< 10	< 1	0.24	13
1095281	< 5	< 0.2	< 0.5	125	901	< 1	15	< 2	40	2.13	3	< 10	13	< 0.5	< 2	3.01	29	5	7.92	< 10	2	0.04	< 10
1095282	< 5	< 0.2	< 0.5	88	853	< 1	16	< 2	33	1.97	2	< 10	12	< 0.5	3	2.97	27	6	6.64	< 10	1	0.04	< 10
1095283	< 5	< 0.2	< 0.5	14	768	< 1	8	< 2	27	1.96	< 2	< 10	13	< 0.5	< 2	2.88	23	4	7.32	< 10	< 1	0.04	< 10
1095284	< 5	< 0.2	< 0.5	7	879	< 1	13	< 2	27	1.93	< 2	< 10	15	< 0.5	3	3.14	23	3	7.29	< 10	< 1	0.04	< 10
1095285	5	< 0.2	< 0.5	7	824	< 1	12	3	25	1.76	< 2	< 10	15	< 0.5	3	3.00	22	4	6.91	< 10	2	0.04	< 10
1095286	< 5	< 0.2	< 0.5	11	784	< 1	6	< 2	31	1.91	< 2	< 10	17	< 0.5	2	3.00	22	3	8.37	< 10	1	0.04	< 10
1095287	< 5	< 0.2	< 0.5	52	557	< 1	118	< 2	30	3.85	< 2	< 10	139	< 0.5	< 2	4.00	31	254	4.40	< 10	2	0.40	< 10
1095288	< 5	< 0.2	< 0.5	20	571	< 1	128	< 2	38	4.33	< 2	< 10	89	< 0.5	< 2	3.73	33	69	4.68	< 10	2	0.26	< 10
1095289	5	< 0.2	< 0.5	33	756	< 1	6	< 2	37	1.85	< 2	< 10	14	< 0.5	< 2	2.62	31	2	6.38	< 10	< 1	0.06	< 10
1095290	< 5	< 0.2	< 0.5	19	634	4	6	< 2	34	1.18	< 2	< 10	68	< 0.5	< 2	1.06	5	14	2.55	< 10	< 1	0.10	< 10
1095291	19	< 0.2	< 0.5	227	664	< 1	75	< 2	42	2.98	< 2	< 10	16	< 0.5	< 2	3.45	31	117	5.32	< 10	< 1	0.11	< 10
1095292	< 5	< 0.2	< 0.5	152	597	< 1	84	5	64	2.70	< 2	< 10	25	< 0.5	< 2	3.04	29	113	5.21	< 10	2	0.15	< 10
1095293	7	0.3	< 0.5	151	695	< 1	99	13	143	3.20	< 2	< 10	32	< 0.5	< 2	2.81	34	128	8.65	< 10	2	0.20	< 10
1095294	9	0.5	0.7	249	626	28	134	9	224	2.57	< 2	< 10	31	< 0.5	< 2	3.56	27	106	8.65	< 10	3	0.22	18
1095295	6	< 0.2	< 0.5	58	613	< 1	64	< 2	44	1.97	< 2	< 10	63	< 0.5	< 2	3.24	19	164	3.49	< 10	< 1	0.26	28
1095296	11	0.3	1.8	136	798	3	61	36	357	1.98	< 2	< 10	129	< 0.5	< 2	1.71	22	132	3.21	< 10	< 1	0.29	26
1095297	10	< 0.2	< 0.5	56	644	1	45	3	89	1.57	< 2	12	126	< 0.5	< 2	2.61	17	108	2.78	< 10	< 1	0.26	32
1095298	9	< 0.2	< 0.5	63	677	< 1	44	3	52	1.50	< 2	< 10	102	< 0.5	< 2	2.71	15	137	2.79	< 10	< 1	0.17	40
1095299	13	< 0.2	< 0.5	62	760	1	43	< 2	64	2.00	< 2	< 10	146	< 0.5	< 2	1.95	17	95	2.69	< 10	< 1	0.26	42
1095300	4990	2.0	3.2	347	360	9	24	121	611	1.43	6850	< 10	15	< 0.5	3	1.54	15	27	11.5	< 10	< 1	0.24	< 10
1095301	24	< 0.2	< 0.5	137	552	1	43	< 2	56	1.36	4	< 10	217	< 0.5	< 2	0.89	17	94	2.29	< 10	< 1	0.40	33
1095302	19	< 0.2	< 0.5	60	552	4	41	< 2	51	1.33	< 2	32	142	< 0.5	< 2	1.58	15	64	2.29	< 10	< 1	0.26	33
1095303	< 5	< 0.2	< 0.5	5	734	< 1	45	< 2	41	2.59	< 2	< 10	111	< 0.5	3	1.14	14	112	3.10	< 10	< 1	0.23	23
1095304	< 5	< 0.2	< 0.5	13	733	< 1	43	< 2	29	2.44	< 2	< 10	115	< 0.5	2	2.36	14	95	2.93	< 10	< 1	0.24	22
1095305	< 5	< 0.2	< 0.5	11	553	< 1	32	< 2	32	2.39	< 2	< 10	114	< 0.5	< 2	1.67	11	93	2.54	< 10	< 1	0.17	25
1095306	< 5	< 0.2	< 0.5	130	770	< 1	23	< 2	48	1.99	< 2	< 10	17	< 0.5	< 2	2.65	32	10	6.70	< 10	2	0.07	< 10
1095307	< 5	< 0.2	< 0.5	169	743	< 1	27	4	43	1.92	< 2	< 10	23	< 0.5	< 2	2.56	38	10	6.64	< 10	1	0.08	< 10
1095308	< 5	< 0.2	< 0.5	69	655	< 1	19	< 2	46	2.15	< 2	< 10	18	< 0.5	< 2	2.62	25	8	5.79	< 10	1	0.06	< 10
1095309	13	< 0.2	< 0.5	127	710	< 1	25	< 2	57	2.29	< 2	< 10	21	< 0.5	< 2	3.29	31	4	7.02	< 10	3	0.14	< 10
1095310	< 5	< 0.2	< 0.5	19	639	4	6	< 2	34	1.20	< 2	< 10	72	< 0.5	< 2	1.05	5	14	2.55	< 10	< 1	0.10	< 10
1095311	5	< 0.2	< 0.5	38	880	< 1	8	< 2	54	1.99	< 2	< 10	22	< 0.5	3	4.70	26	2	6.71	< 10	3	0.11	< 10
1095312	< 5	< 0.2	0.9	19	807	< 1	3	< 2	262	1.77	< 2	< 10	41	< 0.5	< 2	3.58	23	2	7.42	10	< 1	0.10	< 10
1095313	< 5	< 0.2	< 0.5	4	773	< 1	2	< 2	100	2.05	< 2	< 10	24	< 0.5	< 2	2.62	20	2	7.97	10	< 1	0.09	< 10
1095314	1560	0.3	< 0.5	35	737	1	2	< 2	74	1.27	2	< 10	51	< 0.5	< 2	2.65	18	6	7.53	10	< 1	0.14	< 10
1095315	2270	< 0.2	< 0.5	16	754	< 1	1	< 2	79	1.39	2	< 10	78	< 0.5	< 2	2.14	14	3	8.80	10	2	0.14	14

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095071	1.41	0.308	0.022	0.11	< 2	14	55	0.22	< 20	1	< 2	< 10	106	< 10	7	2	
1095072	3.46	0.162	0.014	0.06	< 2	8	31	0.14	< 20	< 1	< 2	< 10	97	< 10	4	1	
1095073	2.89	0.291	0.014	< 0.01	< 2	7	30	0.16	< 20	< 1	< 2	< 10	73	< 10	3	2	
1095074	2.50	0.140	0.012	0.02	< 2	6	39	0.11	< 20	< 1	< 2	< 10	60	< 10	3	1	
1095075	0.49	0.045	0.079	1.28	< 2	2	11	0.03	< 20	< 1	< 2	< 10	31	< 10	7	4	
1095076	1.42	0.282	0.055	0.19	< 2	22	14	0.24	< 20	3	< 2	< 10	257	< 10	17	5	
1095077	0.97	0.265	0.079	0.15	< 2	22	19	0.24	< 20	2	< 2	< 10	135	< 10	26	8	
1095078	1.16	0.278	0.071	0.03	2	22	20	0.25	< 20	3	< 2	< 10	46	< 10	21	6	
1095079	0.88	0.284	0.086	0.03	2	23	14	0.21	< 20	1	< 2	< 10	6	< 10	29	6	
1095080	0.52	0.115	0.036	0.09	3	4	50	0.12	< 20	3	< 2	< 10	35	< 10	9	7	
1095081	0.53	0.198	0.102	0.10	< 2	17	32	0.18	< 20	1	< 2	< 10	2	< 10	33	7	
1095082	0.41	0.140	0.141	0.19	< 2	10	13	0.12	< 20	< 1	< 2	< 10	3	< 10	50	6	
1095083	0.42	0.147	0.144	0.18	< 2	13	42	0.13	< 20	< 1	< 2	< 10	2	< 10	47	7	
1095084	0.43	0.121	0.130	0.09	2	10	67	0.13	< 20	1	< 2	< 10	1	< 10	45	7	
1095085	0.43	0.123	0.130	0.09	< 2	10	66	0.13	< 20	< 1	< 2	< 10	1	< 10	44	8	
1095086	0.83	0.167	0.141	0.29	2	13	41	0.19	< 20	1	< 2	< 10	3	< 10	41	11	
1095087	0.33	0.128	0.158	0.15	< 2	11	14	0.13	< 20	< 1	< 2	< 10	2	< 10	44	6	
1095088	0.62	0.279	0.151	0.03	< 2	15	14	0.15	< 20	< 1	< 2	< 10	< 1	< 10	45	7	
1095089	0.51	0.249	0.140	0.32	2	14	16	0.15	< 20	< 1	< 2	< 10	< 1	< 10	42	6	
1095090	0.47	0.085	0.038	0.04	< 2	4	49	0.11	< 20	1	< 2	< 10	27	< 10	10	5	
1095091	0.64	0.270	0.130	0.72	< 2	15	14	0.15	< 20	< 1	< 2	< 10	1	< 10	41	10	
1095092	0.65	0.274	0.130	0.04	< 2	13	20	0.16	< 20	1	< 2	< 10	< 1	< 10	43	9	
1095093	0.42	0.283	0.135	0.06	< 2	14	16	0.13	< 20	< 1	< 2	< 10	1	< 10	43	8	
1095094	0.32	0.230	0.130	0.04	2	15	17	0.14	< 20	< 1	< 2	< 10	2	< 10	44	7	
1095095	0.39	0.209	0.136	0.13	< 2	15	15	0.14	< 20	< 1	< 2	< 10	2	< 10	42	7	
1095096	0.36	0.186	0.131	0.71	2	13	24	0.12	< 20	< 1	< 2	< 10	2	< 10	38	10	
1095097	0.45	0.159	0.137	0.74	3	14	12	0.15	< 20	< 1	< 2	< 10	2	< 10	42	11	
1095098	0.61	0.247	0.132	0.12	< 2	16	24	0.17	< 20	< 1	< 2	< 10	3	< 10	45	9	
1095099	0.58	0.176	0.125	0.40	< 2	14	48	0.17	< 20	< 1	< 2	< 10	5	< 10	38	9	6.72
1095100	0.83	0.035	0.053	1.06	4	2	141	0.02	< 20	< 1	< 2	< 10	23	18	3	16	
1095101	0.77	0.235	0.117	0.10	< 2	17	22	0.18	< 20	< 1	< 2	< 10	29	< 10	37	9	
1095102	0.97	0.228	0.070	0.03	< 2	22	15	0.23	< 20	3	< 2	< 10	152	< 10	23	7	
1095103	0.93	0.244	0.056	0.06	< 2	27	14	0.24	< 20	< 1	< 2	< 10	121	< 10	20	6	
1095104	1.61	0.192	0.043	0.38	2	20	24	0.26	< 20	< 1	< 2	< 10	100	< 10	16	6	
1095105	1.89	0.204	0.032	0.12	< 2	23	25	0.29	< 20	2	< 2	< 10	212	< 10	14	5	
1095106	1.77	0.238	0.025	0.25	2	25	17	0.33	< 20	2	< 2	< 10	284	< 10	11	5	
1095107	1.65	0.160	0.048	0.17	2	18	73	0.55	< 20	4	< 2	< 10	224	< 10	15	6	
1095108	1.35	0.116	0.036	0.05	< 2	4	39	0.06	< 20	1	< 2	< 10	34	< 10	5	< 1	
1095109	1.40	0.126	0.031	0.02	< 2	3	19	0.05	< 20	< 1	< 2	< 10	23	< 10	3	< 1	
1095110	0.46	0.081	0.037	0.04	< 2	4	48	0.11	< 20	2	< 2	< 10	27	< 10	10	6	
1095111	1.90	0.177	0.016	0.05	< 2	5	34	0.09	< 20	2	< 2	< 10	46	< 10	3	1	
1095112	2.34	0.218	0.028	< 0.01	< 2	15	15	0.15	< 20	1	< 2	< 10	113	< 10	8	2	
1095113	2.41	0.087	0.061	0.12	< 2	12	57	0.05	< 20	< 1	< 2	< 10	86	< 10	7	6	
1095114	1.72	0.149	0.061	0.16	< 2	10	80	0.16	< 20	3	< 2	< 10	96	< 10	7	15	
1095115	1.37	0.101	0.066	0.02	< 2	5	31	0.11	< 20	< 1	< 2	< 10	66	< 10	6	7	
1095116	1.57	0.158	0.074	< 0.01	< 2	5	43	0.13	< 20	3	< 2	< 10	63	< 10	5	7	
1095117	1.96	0.115	0.061	0.19	< 2	6	27	0.14	< 20	2	< 2	< 10	68	< 10	5	16	
1095118	1.36	0.150	0.071	0.15	< 2	7	45	0.16	< 20	< 1	< 2	< 10	67	< 10	5	14	
1095119	1.54	0.116	0.052	0.16	< 2	7	39	0.12	< 20	2	< 2	< 10	69	< 10	6	14	
1095120	0.91	0.029	0.050	3.15	5	2	122	0.02	< 20	2	< 2	< 10	18	25	3	21	

## Results

## Activation Laboratories Ltd.

Report: A20-10970

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	10	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095121	1.57	0.079	0.037	0.25	< 2	5	64	0.04	< 20	1	< 2	< 10	41	< 10	5	11	
1095122	1.53	0.084	0.050	0.04	< 2	5	44	0.08	< 20	2	< 2	< 10	44	< 10	5	9	
1095123	1.77	0.127	0.049	0.11	< 2	7	38	0.13	< 20	< 1	< 2	< 10	64	< 10	5	18	
1095124	1.76	0.105	0.057	0.36	< 2	7	40	0.11	< 20	2	< 2	< 10	67	41	5	16	
1095125	1.80	0.107	0.059	0.36	< 2	7	41	0.11	< 20	< 1	< 2	< 10	69	36	5	16	
1095126	2.25	0.135	0.058	0.40	< 2	8	27	0.16	< 20	< 1	< 2	< 10	77	< 10	5	24	
1095127	1.39	0.097	0.053	0.12	< 2	6	17	0.17	< 20	2	< 2	< 10	59	< 10	6	20	
1095128	1.60	0.096	0.055	0.08	< 2	6	28	0.18	< 20	3	< 2	< 10	60	< 10	5	18	
1095129	1.67	0.094	0.066	0.07	< 2	6	24	0.17	< 20	3	< 2	< 10	62	< 10	6	18	
1095130	0.46	0.082	0.037	0.04	< 2	4	49	0.12	< 20	< 1	< 2	< 10	27	< 10	10	6	
1095131	1.90	0.105	0.070	0.24	< 2	7	27	0.17	< 20	1	< 2	< 10	68	< 10	6	18	
1095132	1.69	0.098	0.057	0.25	< 2	6	32	0.13	< 20	2	< 2	< 10	55	< 10	5	15	
1095133	2.26	0.059	0.045	0.15	4	8	58	0.04	< 20	< 1	< 2	< 10	65	< 10	5	5	
1095134	1.80	0.091	0.053	0.05	< 2	7	23	0.16	< 20	2	< 2	< 10	68	< 10	5	18	
1095135	2.85	0.076	0.045	0.03	< 2	13	19	0.22	< 20	< 1	< 2	< 10	127	< 10	6	15	
1095136	2.26	0.109	0.048	0.06	< 2	14	29	0.21	< 20	< 1	< 2	< 10	120	< 10	6	17	
1095137	1.64	0.136	0.050	0.51	< 2	5	26	0.14	< 20	3	< 2	< 10	58	< 10	4	21	
1095138	1.80	0.140	0.064	0.13	< 2	6	26	0.16	< 20	< 1	< 2	< 10	60	< 10	4	18	
1095139	1.85	0.095	0.063	0.18	< 2	7	23	0.17	< 20	< 1	< 2	< 10	74	< 10	5	15	
1095140	0.53	0.115	0.036	0.09	2	4	51	0.13	< 20	2	< 2	< 10	35	< 10	10	8	
1095141	2.04	0.128	0.063	0.05	< 2	7	28	0.18	< 20	3	< 2	< 10	78	< 10	5	16	
1095142	1.69	0.131	0.060	0.04	< 2	6	31	0.20	< 20	2	< 2	< 10	67	< 10	5	20	
1095143	1.40	0.183	0.063	0.09	< 2	6	55	0.21	< 20	3	< 2	< 10	62	< 10	7	19	
1095144	2.44	0.112	0.045	0.07	< 2	10	12	0.20	< 20	< 1	< 2	< 10	95	< 10	7	14	
1095145	1.78	0.160	0.040	0.36	< 2	14	15	0.22	< 20	< 1	< 2	< 10	132	< 10	10	4	
1095146	1.93	0.208	0.034	0.33	< 2	18	13	0.25	< 20	2	< 2	< 10	160	< 10	10	4	
1095147	1.66	0.166	0.041	0.14	< 2	13	18	0.30	< 20	4	< 2	< 10	158	< 10	12	5	
1095148	1.49	0.158	0.050	0.25	< 2	14	15	0.30	< 20	4	< 2	< 10	171	< 10	13	5	
1095149	1.56	0.237	0.052	0.22	< 2	21	10	0.23	< 20	2	< 2	< 10	203	< 10	15	5	
1095150	0.45	0.079	0.037	0.04	< 2	4	48	0.11	< 20	< 1	< 2	< 10	27	< 10	10	6	
1095151	1.66	0.169	0.050	0.42	< 2	18	12	0.26	< 20	3	< 2	< 10	238	< 10	17	5	
1095152	1.14	0.168	0.043	1.17	< 2	16	12	0.23	< 20	< 1	< 2	< 10	166	< 10	15	5	
1095153	1.06	0.164	0.026	0.68	< 2	14	16	0.22	< 20	2	< 2	< 10	159	11	10	4	
1095154	1.09	0.257	0.070	0.85	< 2	22	12	0.29	< 20	1	< 2	< 10	159	< 10	24	7	
1095155	0.72	0.238	0.136	0.30	< 2	15	16	0.19	< 20	< 1	< 2	< 10	3	< 10	39	10	
1095156	0.62	0.236	0.128	0.52	< 2	14	13	0.20	< 20	1	< 2	< 10	8	< 10	41	12	
1095157	0.48	0.171	0.111	1.53	2	13	14	0.17	< 20	3	< 2	< 10	16	< 10	42	19	6.25
1095158	0.55	0.138	0.145	3.01	4	16	13	0.15	< 20	3	< 2	< 10	13	< 10	37	15	12.8
1095159	0.65	0.276	0.119	0.07	< 2	19	14	0.19	< 20	1	< 2	< 10	2	< 10	42	12	
1095160	0.83	0.035	0.052	1.04	4	2	141	0.02	< 20	< 1	< 2	< 10	23	18	3	16	
1095161	0.57	0.309	0.115	0.09	2	20	12	0.18	< 20	< 1	< 2	< 10	2	< 10	41	11	
1095162	0.61	0.302	0.110	0.10	< 2	21	13	0.20	< 20	2	< 2	< 10	2	< 10	43	11	
1095163	0.59	0.231	0.102	0.04	< 2	17	24	0.20	< 20	< 1	< 2	< 10	2	< 10	37	8	
1095164	0.80	0.174	0.119	2.38	< 2	21	13	0.27	< 20	4	< 2	< 10	5	< 10	43	13	
1095165	0.83	0.173	0.125	2.57	4	21	13	0.26	< 20	1	< 2	< 10	5	< 10	42	12	
1095166	1.02	0.134	0.172	3.78	3	16	14	0.24	< 20	< 1	< 2	< 10	42	< 10	28	17	
1095167	1.24	0.174	0.169	3.26	2	21	17	0.27	< 20	1	< 2	< 10	46	< 10	39	15	
1095168	1.21	0.263	0.158	3.82	4	22	31	0.23	< 20	3	< 2	< 10	39	< 10	36	13	
1095169	0.99	0.283	0.087	2.83	3	18	27	0.25	< 20	1	< 2	< 10	40	< 10	36	14	
1095170	0.47	0.084	0.038	0.04	< 2	4	50	0.12	< 20	< 1	< 2	< 10	28	< 10	10	5	



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095171	0.91	0.358	0.083	0.59	3	38	15	0.23	<20	<1	<2	<10	42	<10	31	11	
1095172	0.91	0.359	0.083	0.27	<2	27	10	0.25	<20	<1	<2	<10	12	<10	28	7	
1095173	0.74	0.292	0.087	0.26	<2	22	13	0.22	<20	<1	<2	<10	5	<10	29	8	
1095174	0.78	0.326	0.092	0.24	<2	23	67	0.22	<20	<1	<2	<10	6	<10	30	7	
1095175	0.32	0.203	0.136	0.33	<2	13	25	0.15	<20	<1	<2	<10	2	<10	39	9	
1095176	0.31	0.194	0.157	0.17	2	13	14	0.13	<20	<1	<2	<10	2	<10	47	7	
1095177	0.31	0.209	0.169	0.02	3	16	13	0.13	<20	<1	<2	<10	2	<10	49	6	
1095178	0.33	0.176	0.140	0.03	<2	12	22	0.13	<20	1	<2	<10	2	<10	35	6	
1095179	0.58	0.228	0.100	0.37	3	22	24	0.20	<20	2	<2	<10	8	<10	33	9	
1095180	0.90	0.030	0.050	3.10	5	2	120	0.02	<20	<1	<2	<10	18	25	3	21	
1095181	0.58	0.215	0.099	0.34	3	22	24	0.22	<20	1	<2	<10	8	<10	31	8	
1095182	0.47	0.176	0.088	0.02	<2	22	25	0.20	<20	<1	<2	<10	10	<10	29	7	
1095183	0.60	0.231	0.062	0.01	<2	27	17	0.24	<20	2	<2	<10	19	<10	21	6	
1095184	0.86	0.239	0.062	0.05	3	28	11	0.26	<20	2	<2	<10	45	<10	21	6	
1095185	1.15	0.290	0.056	0.03	<2	28	18	0.40	<20	4	<2	<10	54	<10	20	5	
1095186	1.23	0.267	0.058	0.15	<2	26	30	0.34	<20	3	<2	<10	53	<10	23	6	
1095187	1.25	0.341	0.039	0.22	<2	29	15	0.38	<20	3	<2	<10	134	<10	14	5	
1095188	1.09	0.294	0.060	0.13	<2	24	50	0.42	<20	6	<2	<10	136	<10	20	6	
1095189	1.48	0.349	0.035	0.05	<2	29	18	0.37	<20	6	<2	<10	180	<10	14	5	
1095190	0.45	0.079	0.037	0.04	<2	4	47	0.12	<20	1	<2	<10	27	<10	10	6	
1095191	1.28	0.310	0.034	0.04	<2	25	13	0.30	<20	2	<2	<10	280	<10	11	4	
1095192	1.51	0.302	0.032	0.03	<2	26	16	0.31	<20	4	<2	<10	328	<10	12	4	
1095193	1.68	0.349	0.035	0.13	2	26	16	0.31	<20	4	<2	<10	370	<10	13	4	
1095194	1.81	0.365	0.022	0.36	2	25	28	0.31	<20	<1	<2	<10	391	<10	8	3	
1095195	1.48	0.275	0.023	0.49	<2	21	35	0.45	<20	3	<2	<10	454	<10	8	4	
1095196	1.83	0.231	0.018	0.15	<2	19	81	0.38	<20	2	<2	<10	390	<10	8	3	
1095197	1.72	0.209	0.020	0.14	<2	18	61	0.45	<20	4	<2	<10	438	<10	8	3	
1095198	2.03	0.299	0.020	0.25	<2	24	36	0.48	<20	5	<2	<10	459	<10	11	4	
1095199	1.76	0.199	0.031	2.63	<2	17	29	0.36	<20	<1	<2	<10	388	<10	14	10	
1095200	0.53	0.113	0.036	0.09	3	4	51	0.12	<20	1	<2	<10	36	<10	10	7	
1095201	1.71	0.093	0.014	1.90	<2	14	143	0.45	<20	5	<2	<10	376	<10	9	6	
1095202	2.44	0.142	0.016	0.72	<2	17	51	0.45	<20	4	<2	<10	575	<10	8	5	
1095203	1.18	0.078	0.047	0.32	<2	7	13	0.10	<20	3	<2	<10	70	<10	7	3	
1095204	1.85	0.233	0.028	0.08	<2	14	31	0.19	<20	2	<2	<10	122	<10	8	2	
1095205	1.83	0.230	0.029	0.08	<2	14	29	0.20	<20	3	<2	<10	120	<10	8	2	
1095206	2.54	0.108	0.028	0.13	3	11	21	0.25	<20	1	<2	<10	150	<10	7	3	
1095207	2.51	0.115	0.029	0.32	<2	13	24	0.19	<20	<1	<2	<10	141	<10	7	2	
1095208	2.20	0.036	0.037	2.86	<2	10	18	0.17	<20	2	<2	<10	112	<10	6	9	
1095209	2.02	0.066	0.063	2.10	<2	7	26	0.25	<20	1	<2	<10	86	<10	6	18	
1095210	0.46	0.082	0.037	0.04	<2	4	49	0.12	<20	1	<2	<10	27	<10	10	6	
1095211	0.27	0.046	0.005	0.15	<2	2	9	0.07	<20	<1	<2	<10	19	<10	3	2	
1095212	0.90	0.215	0.080	0.46	2	19	54	0.30	<20	1	<2	<10	84	<10	26	8	
1095213	0.94	0.291	0.072	0.05	<2	25	19	0.23	<20	2	<2	<10	76	<10	26	7	
1095214	0.76	0.250	0.083	0.78	<2	21	18	0.25	<20	<1	<2	<10	23	<10	29	8	
1095215	0.45	0.185	0.100	0.30	<2	19	21	0.20	<20	2	<2	<10	3	<10	33	8	
1095216	0.52	0.247	0.103	0.13	<2	20	17	0.21	<20	<1	<2	<10	2	<10	38	10	
1095217	0.31	0.215	0.106	0.49	2	18	14	0.18	<20	3	<2	<10	6	<10	39	13	
1095218	0.44	0.093	0.085	1.84	<2	12	38	0.19	<20	4	<2	<10	22	<10	18	15	
1095219	0.64	0.110	0.100	2.68	<2	18	20	0.23	<20	6	<2	<10	40	<10	25	17	8.43
1095220	0.82	0.034	0.052	1.03	4	2	141	0.02	<20	<1	<2	<10	22	18	3	15	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095221	0.34	0.215	0.104	0.05	< 2	19	16	0.16	< 20	4	< 2	< 10	1	< 10	34	9	
1095222	0.39	0.194	0.116	1.37	< 2	16	20	0.15	< 20	2	< 2	< 10	8	< 10	32	12	
1095223	0.38	0.214	0.115	1.38	< 2	17	14	0.16	< 20	2	< 2	< 10	17	< 10	35	17	6.15
1095224	0.52	0.212	0.108	0.68	< 2	17	15	0.15	< 20	3	< 2	< 10	12	< 10	36	13	6.56
1095225	0.58	0.135	0.103	0.13	< 2	13	8	0.17	< 20	1	< 2	< 10	3	< 10	25	8	
1095226	0.97	0.238	0.097	0.04	< 2	20	11	0.25	< 20	2	< 2	< 10	5	< 10	33	10	
1095227	0.88	0.251	0.090	0.07	< 2	21	14	0.22	< 20	2	< 2	< 10	7	< 10	32	9	
1095228	0.75	0.267	0.080	0.14	< 2	21	41	0.24	< 20	2	< 2	< 10	13	< 10	28	7	
1095229	0.93	0.319	0.089	0.23	3	24	11	0.26	< 20	< 1	< 2	< 10	20	< 10	32	9	
1095230	0.89	0.027	0.050	3.01	5	2	119	0.02	< 20	1	< 2	< 10	17	25	3	21	
1095231	1.11	0.364	0.067	0.11	< 2	29	16	0.27	< 20	< 1	< 2	< 10	41	< 10	24	6	
1095232	1.00	0.349	0.066	0.17	2	30	7	0.27	< 20	2	< 2	< 10	47	< 10	24	6	
1095233	1.04	0.264	0.055	0.20	< 2	23	15	0.26	< 20	2	< 2	< 10	43	< 10	24	6	
1095234	1.31	0.324	0.046	0.28	2	29	9	0.30	< 20	3	< 2	< 10	100	< 10	18	5	
1095235	1.21	0.305	0.046	0.19	< 2	29	11	0.27	< 20	3	< 2	< 10	98	< 10	18	5	
1095236	1.19	0.302	0.047	0.19	< 2	28	10	0.28	< 20	4	< 2	< 10	101	< 10	18	6	
1095237	1.42	0.269	0.048	0.29	< 2	26	10	0.29	< 20	2	< 2	< 10	137	< 10	17	6	
1095238	1.09	0.286	0.040	0.20	< 2	26	14	0.31	< 20	4	< 2	< 10	136	< 10	14	5	
1095239	1.04	0.251	0.043	0.20	< 2	24	11	0.28	< 20	3	< 2	< 10	132	< 10	14	5	
1095240	0.45	0.078	0.037	0.04	< 2	4	47	0.12	< 20	3	< 2	< 10	27	< 10	10	6	
1095241	1.28	0.326	0.048	0.28	< 2	28	14	0.27	< 20	2	< 2	< 10	146	< 10	16	5	
1095242	1.17	0.294	0.051	0.13	< 2	24	13	0.24	< 20	< 1	< 2	< 10	147	< 10	18	5	
1095243	1.05	0.272	0.075	0.81	< 2	24	14	0.24	< 20	< 1	< 2	< 10	111	< 10	24	8	
1095244	1.20	0.262	0.034	0.19	< 2	21	13	0.27	< 20	4	< 2	< 10	214	< 10	10	4	
1095245	1.16	0.253	0.033	0.19	< 2	20	12	0.28	< 20	4	< 2	< 10	208	< 10	9	4	
1095246	1.19	0.271	0.052	0.03	< 2	21	29	0.25	< 20	< 1	< 2	< 10	181	< 10	16	5	
1095247	1.38	0.351	0.039	0.04	< 2	26	18	0.27	< 20	2	< 2	< 10	256	< 10	13	4	
1095248	1.38	0.309	0.044	0.01	< 2	23	38	0.27	< 20	3	< 2	< 10	231	< 10	15	5	
1095249	1.43	0.314	0.032	0.30	2	25	17	0.31	< 20	1	< 2	< 10	286	< 10	10	4	
1095250	0.47	0.079	0.037	0.04	< 2	4	48	0.12	< 20	2	< 2	< 10	27	< 10	10	6	
1095251	1.23	0.285	0.057	0.12	< 2	23	96	0.31	< 20	1	< 2	< 10	177	< 10	18	5	
1095252	1.50	0.363	0.031	0.12	< 2	27	16	0.31	< 20	3	< 2	< 10	318	< 10	12	4	
1095253	1.53	0.357	0.032	< 0.01	< 2	25	23	0.27	< 20	3	< 2	< 10	305	< 10	11	4	
1095254	1.49	0.362	0.031	0.15	2	26	13	0.26	< 20	5	< 2	< 10	359	< 10	11	4	
1095255	1.60	0.367	0.030	0.23	< 2	27	11	0.28	< 20	6	< 2	< 10	412	< 10	11	4	
1095256	1.60	0.351	0.036	0.16	3	24	35	0.28	< 20	2	< 2	< 10	304	< 10	13	5	
1095257	1.69	0.326	0.031	0.08	2	24	36	0.29	< 20	6	< 2	< 10	322	< 10	11	5	
1095258	1.62	0.373	0.029	0.11	< 2	27	28	0.28	< 20	5	< 2	< 10	344	< 10	11	4	
1095259	1.52	0.337	0.032	0.09	< 2	25	17	0.27	< 20	3	< 2	< 10	315	< 10	11	4	
1095260	0.55	0.121	0.038	0.10	3	4	49	0.12	< 20	4	< 2	< 10	35	< 10	10	8	
1095261	1.70	0.286	0.025	0.11	< 2	23	30	0.29	< 20	3	< 2	< 10	347	< 10	10	4	
1095262	1.59	0.329	0.029	0.15	< 2	25	23	0.27	< 20	4	< 2	< 10	337	< 10	10	4	
1095263	1.70	0.393	0.024	0.20	< 2	28	12	0.27	< 20	5	< 2	< 10	420	< 10	10	4	
1095264	1.61	0.383	0.022	0.54	2	27	11	0.27	< 20	6	< 2	< 10	411	< 10	8	3	
1095265	1.58	0.379	0.019	0.67	< 2	25	10	0.28	< 20	6	< 2	< 10	471	< 10	8	3	
1095266	1.70	0.389	0.022	1.27	< 2	24	12	0.25	< 20	5	< 2	< 10	425	< 10	8	4	
1095267	1.21	0.269	0.004	0.59	< 2	14	13	0.20	< 20	6	< 2	< 10	128	< 10	6	3	
1095268	1.71	0.299	0.011	0.53	< 2	17	13	0.19	< 20	1	< 2	< 10	121	< 10	7	3	
1095269	1.66	0.289	0.016	0.19	< 2	16	15	0.16	< 20	3	< 2	< 10	101	< 10	6	2	
1095270	0.48	0.089	0.039	0.04	< 2	4	49	0.11	< 20	4	< 2	< 10	28	< 10	11	6	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095271	1.14	0.259	0.034	0.07	< 2	11	21	0.20	< 20	3	< 2	< 10	74	< 10	8	3	
1095272	1.70	0.335	0.020	0.07	< 2	17	26	0.19	< 20	7	< 2	< 10	99	< 10	7	2	
1095273	1.28	0.271	0.019	0.08	< 2	12	41	0.23	< 20	4	< 2	< 10	89	< 10	8	2	
1095274	1.10	0.349	0.019	0.11	< 2	10	47	0.24	< 20	6	< 2	< 10	84	< 10	8	2	
1095275	1.52	0.244	0.017	0.20	< 2	13	31	0.20	< 20	4	< 2	< 10	89	< 10	7	2	
1095276	1.67	0.366	0.037	0.22	< 2	22	23	0.18	< 20	8	< 2	< 10	175	< 10	12	4	
1095277	1.62	0.367	0.046	0.17	< 2	25	8	0.17	< 20	4	< 2	< 10	235	< 10	15	4	
1095278	1.72	0.410	0.045	0.14	< 2	28	9	0.22	< 20	2	< 2	< 10	262	< 10	17	5	
1095279	1.38	0.347	0.045	0.06	< 2	24	22	0.22	< 20	4	< 2	< 10	286	< 10	15	5	
1095280	0.82	0.036	0.054	1.11	5	2	140	0.02	< 20	2	< 2	< 10	22	18	4	18	
1095281	1.61	0.384	0.045	0.07	2	27	35	0.24	< 20	2	< 2	< 10	292	< 10	17	5	
1095282	1.56	0.351	0.038	0.08	< 2	26	13	0.22	< 20	3	< 2	< 10	249	< 10	14	4	
1095283	1.17	0.316	0.056	0.02	< 2	23	91	0.26	< 20	2	< 2	< 10	212	< 10	17	5	
1095284	1.46	0.297	0.037	0.03	3	25	96	0.25	< 20	3	< 2	< 10	355	< 10	13	4	
1095285	1.38	0.279	0.035	0.03	< 2	24	88	0.23	< 20	5	< 2	< 10	338	< 10	12	4	
1095286	1.02	0.301	0.073	0.04	2	21	94	0.30	< 20	5	< 2	< 10	188	< 10	22	6	
1095287	3.07	0.300	0.007	0.07	< 2	15	32	0.16	< 20	1	< 2	< 10	101	< 10	5	1	
1095288	3.24	0.252	0.014	0.03	< 2	9	43	0.12	< 20	1	< 2	< 10	76	< 10	3	1	
1095289	1.50	0.342	0.031	0.17	< 2	25	11	0.27	< 20	4	< 2	< 10	228	< 10	12	4	
1095290	0.46	0.088	0.038	0.04	< 2	4	48	0.11	< 20	3	< 2	< 10	27	< 10	10	5	
1095291	2.40	0.309	0.026	0.10	< 2	18	45	0.20	< 20	4	< 2	< 10	146	< 10	10	2	
1095292	2.11	0.230	0.029	0.46	< 2	15	42	0.22	< 20	4	< 2	< 10	130	< 10	9	2	
1095293	2.61	0.104	0.035	2.37	3	12	29	0.27	< 20	4	< 2	< 10	158	< 10	7	3	
1095294	2.09	0.055	0.054	3.14	< 2	9	20	0.20	< 20	3	< 2	< 10	89	< 10	7	26	
1095295	1.63	0.092	0.081	0.09	< 2	10	30	0.24	< 20	4	< 2	< 10	86	< 10	8	12	
1095296	1.73	0.099	0.063	0.49	< 2	8	36	0.25	< 20	5	< 2	< 10	94	< 10	8	24	
1095297	1.57	0.100	0.086	0.25	< 2	7	35	0.20	< 20	4	< 2	< 10	68	< 10	9	8	
1095298	1.60	0.098	0.084	0.33	< 2	6	36	0.27	< 20	4	< 2	< 10	63	< 10	10	9	
1095299	1.73	0.130	0.089	0.06	< 2	7	52	0.22	< 20	5	< 2	< 10	73	< 10	9	6	
1095300	0.90	0.029	0.053	3.31	8	2	122	0.02	< 20	2	< 2	< 10	17	26	3	24	
1095301	1.42	0.148	0.067	0.07	< 2	5	30	0.18	< 20	3	< 2	< 10	71	< 10	6	12	
1095302	1.31	0.132	0.064	0.13	< 2	6	36	0.15	< 20	3	< 2	< 10	55	< 10	8	10	
1095303	2.40	0.091	0.057	0.01	< 2	8	37	0.06	< 20	3	< 2	< 10	78	< 10	6	11	
1095304	1.97	0.130	0.056	0.03	< 2	7	48	0.03	< 20	< 1	< 2	< 10	66	< 10	5	5	
1095305	1.51	0.301	0.056	< 0.01	< 2	6	90	0.09	< 20	3	< 2	< 10	59	< 10	5	13	
1095306	1.61	0.327	0.050	0.34	3	26	13	0.23	< 20	6	< 2	< 10	218	< 10	19	7	
1095307	1.53	0.330	0.046	0.53	< 2	22	11	0.19	< 20	1	< 2	< 10	201	< 10	16	6	
1095308	1.62	0.352	0.051	0.19	< 2	24	14	0.21	< 20	5	< 2	< 10	215	< 10	17	5	
1095309	1.54	0.380	0.042	0.06	2	26	32	0.27	< 20	4	< 2	< 10	408	< 10	16	5	
1095310	0.46	0.089	0.039	0.04	< 2	4	49	0.11	< 20	3	< 2	< 10	27	< 10	11	6	
1095311	1.21	0.349	0.044	0.03	< 2	24	42	0.23	< 20	6	< 2	< 10	325	< 10	16	5	
1095312	0.89	0.266	0.068	0.04	< 2	23	20	0.20	< 20	5	< 2	< 10	162	< 10	24	7	
1095313	0.92	0.318	0.077	0.02	< 2	26	12	0.21	< 20	5	< 2	< 10	36	< 10	35	7	
1095314	0.54	0.183	0.084	1.46	3	16	15	0.19	< 20	5	< 2	< 10	21	< 10	31	11	
1095315	0.53	0.224	0.137	0.82	2	16	13	0.17	< 20	2	< 2	< 10	13	< 10	48	12	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	67	1040	1	24	94	119	6.62	210	< 10	784	0.8	3	0.12	13	77	5.62	20	< 1	1.10	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	68	1040	1	23	95	119	6.59	217	< 10	757	0.8	3	0.12	13	78	5.67	20	2	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	72	1050	1	25	92	121	6.44	229	< 10	645	0.8	3	0.12	14	78	5.95	20	2	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2140	772	< 1	34	58	248	2.72	7		83	0.7	8	0.38	19	45	5.12	< 10		0.47	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2190	766	< 1	34	60	248	2.70	6		82	0.7	7	0.38	19	45	5.22	< 10		0.47	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2260	761	< 1	35	59	255	2.65	8		74	0.8	13	0.39	19	45	5.32	< 10		0.50	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4210	854	< 1	32	76	316	2.72	7		65	0.7	21	0.38	21	40	5.82	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4300	843	< 1	31	79	322	2.69	5		62	0.6	28	0.38	22	42	5.96	< 10		0.40	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4450	864	< 1	33	79	323	2.68	6		55	0.7	27	0.39	22	41	6.17	< 10		0.41	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.6		> 10000				87	398						74		47						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.4		> 10000				83	390						66		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		66.1	281	3410	517	12	23	> 5000	> 10000	1.64	73			0.6	2	1.52	29	28	3.25	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.0	285	3530	529	12	24	> 5000	> 10000	1.66	75			0.6	10	1.55	31	30	3.41	< 10	4	0.38	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua		66.3	283	3500	534	13	24	> 5000	> 10000	1.61	76			0.6	6	1.55	29	30	3.33	< 10	4	0.37	20

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				321	161	< 1	220	10	25	6.86			139	1.0	5	0.06	37	332	13.6	20	2	0.10	10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				334	164	< 1	224	12	25	6.79			139	1.0	4	0.06	39	340	13.8	20	1	0.10	10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3060																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2990																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3190																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
OREAS 257b (Fire Assay) Meas																							
OREAS 257b																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	510																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	526																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	506																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	511																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	528																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	520																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	518																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	528																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	530																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	503																						
Oreas E1336 (Fire Assay) Cert	510																						
1095081 Orig	32																						
1095081 Dup	5																						
1095083 Orig		< 0.2	< 0.5	6	896	1	2	< 2	61	1.61	< 2	< 10	13	< 0.5	2	2.01	14	6	8.69	20	1	0.04	17
1095083 Dup		< 0.2	< 0.5	7	882	< 1	2	< 2	61	1.59	3	< 10	13	< 0.5	< 2	2.00	13	6	8.53	20	2	0.04	17
1095089 Orig	14																						
1095089 Dup	21																						
1095097 Orig		0.3	< 0.5	11	806	1	1	< 2	32	1.57	3	< 10	< 10	< 0.5	< 2	2.34	11	3	8.80	10	2	0.03	13
1095097 Dup		0.2	< 0.5	11	829	< 1	2	< 2	32	1.59	3	< 10	< 10	< 0.5	< 2	2.37	11	4	8.97	10	< 1	0.03	13
1095099 Orig																							
1095099 Dup																							
1095101 Orig	171																						
1095101 Dup	183																						
1095110 Orig		< 0.2	< 0.5	20	643	4	6	< 2	35	1.14	< 2	< 10	60	< 0.5	< 2	1.06	6	14	2.48	< 10	< 1	0.10	< 10
1095110 Dup		< 0.2	< 0.5	19	636	4	6	2	34	1.12	< 2	< 10	59	< 0.5	< 2	1.04	5	14	2.44	< 10	< 1	0.10	< 10
1095115 Orig	< 5																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095115 Dup	< 5																						
1095121 Orig	< 5	< 0.2	< 0.5	31	682	< 1	46	2	40	1.69	4	< 10	67	< 0.5	< 2	3.17	16	54	3.38	< 10	< 1	0.33	20
1095121 Split PREP DUP	< 5	< 0.2	< 0.5	31	690	< 1	46	< 2	39	1.70	< 2	< 10	67	< 0.5	< 2	3.20	16	56	3.41	< 10	< 1	0.33	20
1095123 Orig		< 0.2	< 0.5	67	599	< 1	50	< 2	70	2.19	< 2	< 10	212	< 0.5	< 2	2.09	16	80	3.76	< 10	< 1	0.86	21
1095123 Dup		< 0.2	< 0.5	67	605	< 1	50	< 2	70	2.20	< 2	< 10	213	< 0.5	< 2	2.09	17	80	3.73	< 10	< 1	0.85	20
1095124 Orig	24																						
1095124 Dup	26																						
1095134 Orig	< 5																						
1095134 Dup	< 5																						
1095146 Orig		< 0.2	< 0.5	189	823	< 1	56	< 2	35	2.14	5	< 10	18	< 0.5	< 2	2.59	31	117	5.40	< 10	< 1	0.07	< 10
1095146 Dup		< 0.2	< 0.5	193	822	< 1	56	< 2	34	2.12	5	< 10	17	< 0.5	< 2	2.62	32	119	5.43	< 10	< 1	0.07	< 10
1095149 Orig	93																						
1095149 Dup	94																						
1095159 Orig	21																						
1095159 Dup	19																						
1095160 Orig		10.5	5.0	77	440	5	27	367	741	1.25	4120	< 10	56	< 0.5	< 2	2.36	13	26	8.15	< 10	< 1	0.24	14
1095160 Dup		10.8	5.2	77	434	5	28	365	742	1.23	4070	< 10	49	< 0.5	< 2	2.34	14	26	8.13	< 10	< 1	0.24	13
1095169 Orig	184																						
1095169 Dup	190																						
1095171 Orig	43	< 0.2	< 0.5	18	910	< 1	2	4	69	2.24	2	< 10	95	0.7	3	2.42	24	< 1	10.3	10	1	0.19	11
1095171 Split PREP DUP	34	< 0.2	< 0.5	18	966	< 1	2	< 2	69	2.41	< 2	< 10	88	0.6	3	2.56	26	1	10.0	10	2	0.20	< 10
1095172 Orig		< 0.2	< 0.5	33	849	< 1	1	< 2	52	2.45	< 2	< 10	47	< 0.5	2	2.42	25	2	8.35	10	1	0.19	< 10
1095172 Dup		< 0.2	< 0.5	33	830	< 1	1	< 2	51	2.38	< 2	< 10	47	< 0.5	< 2	2.37	26	2	8.12	10	< 1	0.19	< 10
1095183 Orig	9																						
1095183 Dup	11																						
1095186 Orig		< 0.2	< 0.5	10	764	< 1	2	< 2	29	1.94	< 2	< 10	< 10	< 0.5	2	3.56	24	1	6.77	10	1	0.04	< 10
1095186 Dup		< 0.2	< 0.5	10	788	< 1	2	< 2	29	1.97	< 2	< 10	< 10	< 0.5	< 2	3.59	24	1	6.88	10	1	0.05	< 10
1095193 Orig	67																						
1095193 Dup	82																						
1095202 Orig		0.2	< 0.5	132	713	< 1	49	< 2	35	2.99	4	< 10	< 10	< 0.5	< 2	2.79	83	5	8.24	< 10	2	0.03	11
1095202 Dup		0.2	< 0.5	133	721	< 1	48	< 2	36	3.01	2	< 10	< 10	< 0.5	< 2	2.86	81	5	8.30	10	2	0.03	11
1095216 Orig		< 0.2	< 0.5	9	908	< 1	2	< 2	90	1.69	30	< 10	12	< 0.5	< 2	2.52	17	4	8.12	10	2	0.03	11
1095216 Dup		< 0.2	< 0.5	9	913	< 1	1	< 2	89	1.70	30	< 10	12	< 0.5	2	2.53	18	4	8.10	10	< 1	0.04	12
1095218 Orig	4110																						
1095218 Dup	3490																						
1095221 Orig	23	< 0.2	< 0.5	5	973	< 1	2	< 2	70	1.41	53	< 10	16	< 0.5	< 2	2.45	16	5	7.31	10	2	0.03	11
1095221 Split PREP DUP	15	< 0.2	< 0.5	5	945	< 1	2	< 2	69	1.35	54	< 10	16	< 0.5	< 2	2.44	15	5	7.10	10	2	0.03	11
1095228 Orig		< 0.2	< 0.5	14	705	< 1	2	< 2	42	1.91	2	< 10	16	< 0.5	< 2	3.28	19	4	6.74	10	1	0.10	< 10
1095228 Dup		< 0.2	< 0.5	13	656	< 1	1	< 2	39	1.71	3	< 10	14	< 0.5	< 2	2.99	18	3	6.04	10	< 1	0.09	< 10
1095239 Orig	15																						
1095239 Dup	16																						
1095241 Orig	58																						
1095241 Dup	46																						
1095242 Orig		< 0.2	< 0.5	31	705	< 1	2	< 2	31	1.87	< 2	< 10	12	< 0.5	< 2	3.17	29	2	6.30	< 10	< 1	0.05	< 10
1095242 Dup		< 0.2	< 0.5	31	709	< 1	3	< 2	31	1.89	< 2	< 10	12	< 0.5	< 2	3.17	29	2	6.40	< 10	< 1	0.05	< 10
1095252 Orig	< 5																						
1095252 Dup	< 5																						
1095265 Orig		< 0.2	< 0.5	110	710	< 1	15	5	53	1.87	< 2	< 10	< 10	< 0.5	< 2	2.84	49	1	7.02	< 10	1	0.02	< 10
1095265 Dup		< 0.2	< 0.5	111	718	< 1	14	< 2	54	1.87	< 2	< 10	< 10	< 0.5	2	2.89	51	< 1	7.18	< 10	3	0.02	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095271 Orig	12	< 0.2	< 0.5	126	350	< 1	36	< 2	18	1.48	< 2	< 10	11	< 0.5	< 2	2.02	17	48	2.26	< 10	< 1	0.04	< 10
1095271 Split PREP DUP	14	< 0.2	< 0.5	129	354	< 1	37	< 2	18	1.52	< 2	< 10	11	< 0.5	< 2	2.03	18	49	2.29	< 10	< 1	0.04	< 10
1095271 Split PREP DUP	14																						
1095278 Orig		< 0.2	< 0.5	156	882	< 1	19	< 2	63	2.31	< 2	< 10	11	< 0.5	< 2	2.75	31	8	7.83	< 10	2	0.04	< 10
1095278 Dup		< 0.2	< 0.5	155	903	< 1	19	< 2	64	2.37	< 2	< 10	12	< 0.5	< 2	2.83	31	8	7.99	< 10	3	0.04	< 10
1095286 Orig	5																						
1095286 Dup	< 5																						
1095291 Orig		< 0.2	< 0.5	224	660	< 1	74	< 2	42	2.97	< 2	< 10	17	< 0.5	< 2	3.45	31	117	5.30	< 10	1	0.11	< 10
1095291 Dup		< 0.2	< 0.5	231	668	< 1	76	< 2	42	2.99	< 2	< 10	16	< 0.5	< 2	3.45	31	116	5.33	< 10	< 1	0.11	< 10
1095296 Orig	9																						
1095296 Dup	12																						
1095305 Orig		< 0.2	< 0.5	11	551	< 1	31	< 2	31	2.37	< 2	< 10	114	< 0.5	< 2	1.66	11	92	2.53	< 10	< 1	0.17	24
1095305 Dup		< 0.2	< 0.5	12	554	< 1	32	< 2	32	2.41	< 2	< 10	114	< 0.5	< 2	1.67	10	94	2.56	< 10	< 1	0.17	25
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
GXR-6 Meas	0.38	0.141	0.034	0.01	5	20	29		< 20	< 1	< 2	< 10	163	< 10	5	5	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.39	0.140	0.033	0.01	4	20	29		< 20	< 1	< 2	< 10	169	< 10	5	7	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.39	0.122	0.033	0.01	3	19	29		< 20	< 1	< 2	< 10	169	< 10	4	7	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
OREAS 922 (AQUA REGIA) Meas	1.31	0.038	0.062	0.38	2	4	16		< 20		< 2	< 10	35	< 10	20	16	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.34	0.038	0.061	0.37	< 2	4	16		< 20		< 2	< 10	35	< 10	19	17	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.32	0.035	0.061	0.36	2	4	16		< 20		< 2	< 10	36	< 10	19	22	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.37		0.059	0.68	< 2	4	14		< 20		< 2	< 10	34	< 10	18	26	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.40		0.058	0.67	< 2	4	14		< 20		< 2	< 10	34	< 10	18	27	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.40		0.058	0.66	< 2	4	15		< 20		< 2	< 10	35	< 10	17	28	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas				3.80	7												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 96 (Aqua Regia) Meas				3.90	5												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 621 (Aqua Regia) Meas	0.41	0.177	0.032	4.60	110	2	18		< 20		< 2	< 10	12	< 10	7	67	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.43	0.186	0.033	4.55	107	2	18		< 20		< 2	< 10	13	< 10	7	67	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA-GR
Oreas 621 (Aqua Regia) Meas	0.42	0.176	0.032	4.53	111	2	19		< 20		< 2	< 10	13	< 10	7	62	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																	11.6
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.17	0.055	0.020	0.02		26	14	0.09	< 20		< 2	< 10	191		5	11	
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 45f (Aqua Regia) Meas	0.17	0.055	0.020	0.02		27	14	0.09	< 20		< 2	< 10	195		5	11	
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
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OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 257b (Fire Assay) Meas																	13.5
OREAS 257b (Fire Assay) Cert																	14.2
OREAS 257b (Fire Assay) Meas																	13.8



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095115 Orig																	
1095115 Dup																	
1095121 Orig	1.57	0.079	0.037	0.25	< 2	5	64	0.04	< 20	1	< 2	< 10	41	< 10	5	11	
1095121 Split PREP DUP	1.59	0.079	0.037	0.25	< 2	5	64	0.04	< 20	< 1	< 2	< 10	41	< 10	5	11	
1095123 Orig	1.77	0.126	0.050	0.11	< 2	7	38	0.13	< 20	< 1	< 2	< 10	64	< 10	5	17	
1095123 Dup	1.77	0.127	0.049	0.11	< 2	7	38	0.13	< 20	< 1	< 2	< 10	65	< 10	5	18	
1095124 Orig																	
1095124 Dup																	
1095134 Orig																	
1095134 Dup																	
1095146 Orig	1.93	0.209	0.034	0.32	< 2	18	13	0.26	< 20	2	< 2	< 10	160	< 10	10	4	
1095146 Dup	1.93	0.207	0.034	0.33	< 2	18	13	0.25	< 20	2	< 2	< 10	161	< 10	10	4	
1095149 Orig																	
1095149 Dup																	
1095159 Orig																	
1095159 Dup																	
1095160 Orig	0.83	0.035	0.052	1.06	4	2	143	0.02	< 20	< 1	< 2	< 10	23	18	3	16	
1095160 Dup	0.83	0.035	0.052	1.03	4	2	140	0.02	< 20	< 1	< 2	< 10	22	18	3	16	
1095169 Orig																	
1095169 Dup																	
1095171 Orig	0.91	0.358	0.083	0.59	3	38	15	0.23	< 20	< 1	< 2	< 10	42	< 10	31	11	
1095171 Split PREP DUP	0.95	0.390	0.081	0.48	2	33	13	0.24	< 20	< 1	< 2	< 10	35	< 10	29	9	
1095172 Orig	0.92	0.364	0.083	0.27	< 2	28	10	0.26	< 20	< 1	< 2	< 10	12	< 10	28	7	
1095172 Dup	0.90	0.354	0.083	0.27	< 2	27	10	0.25	< 20	< 1	< 2	< 10	12	< 10	27	7	
1095183 Orig																	
1095183 Dup																	
1095186 Orig	1.22	0.266	0.059	0.15	< 2	26	29	0.32	< 20	4	< 2	< 10	52	< 10	23	6	
1095186 Dup	1.23	0.269	0.058	0.15	< 2	26	30	0.35	< 20	3	< 2	< 10	53	< 10	23	7	
1095193 Orig																	
1095193 Dup																	
1095202 Orig	2.42	0.141	0.016	0.72	< 2	16	50	0.45	< 20	4	< 2	< 10	570	< 10	8	5	
1095202 Dup	2.46	0.144	0.016	0.72	< 2	17	52	0.45	< 20	5	< 2	< 10	580	< 10	8	5	
1095216 Orig	0.52	0.248	0.103	0.13	< 2	20	17	0.21	< 20	< 1	< 2	< 10	2	< 10	38	10	
1095216 Dup	0.52	0.247	0.102	0.13	< 2	20	17	0.21	< 20	< 1	< 2	< 10	2	< 10	38	10	
1095218 Orig																	
1095218 Dup																	
1095221 Orig	0.34	0.215	0.104	0.05	< 2	19	16	0.16	< 20	4	< 2	< 10	1	< 10	34	9	
1095221 Split PREP DUP	0.33	0.196	0.104	0.06	< 2	18	16	0.17	< 20	1	< 2	< 10	2	< 10	33	9	
1095228 Orig	0.79	0.281	0.083	0.14	< 2	22	44	0.24	< 20	1	< 2	< 10	14	< 10	30	8	
1095228 Dup	0.71	0.252	0.077	0.13	< 2	20	39	0.24	< 20	3	< 2	< 10	12	< 10	27	7	
1095239 Orig																	
1095239 Dup																	
1095241 Orig																	
1095241 Dup																	
1095242 Orig	1.16	0.292	0.050	0.13	< 2	24	13	0.24	< 20	< 1	< 2	< 10	146	< 10	18	5	
1095242 Dup	1.17	0.297	0.051	0.13	< 2	24	13	0.25	< 20	< 1	< 2	< 10	147	< 10	18	5	
1095252 Orig																	
1095252 Dup																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095265 Orig	1.57	0.377	0.019	0.66	< 2	26	10	0.28	< 20	5	< 2	< 10	469	< 10	8	3	
1095265 Dup	1.59	0.381	0.019	0.67	2	25	10	0.28	< 20	7	< 2	< 10	472	< 10	8	3	
1095271 Orig	1.14	0.259	0.034	0.07	< 2	11	21	0.20	< 20	3	< 2	< 10	74	< 10	8	3	
1095271 Split PREP DUP	1.16	0.263	0.034	0.07	< 2	11	22	0.20	< 20	3	< 2	< 10	76	< 10	8	3	
1095271 Split PREP DUP																	
1095278 Orig	1.69	0.403	0.044	0.14	< 2	28	9	0.22	< 20	3	< 2	< 10	260	< 10	17	5	
1095278 Dup	1.74	0.418	0.045	0.14	2	28	9	0.22	< 20	2	< 2	< 10	264	< 10	17	5	
1095286 Orig																	
1095286 Dup																	
1095291 Orig	2.39	0.311	0.026	0.10	< 2	18	45	0.19	< 20	5	< 2	< 10	146	< 10	10	2	
1095291 Dup	2.41	0.307	0.026	0.11	< 2	18	44	0.20	< 20	3	< 2	< 10	146	< 10	10	2	
1095296 Orig																	
1095296 Dup																	
1095305 Orig	1.50	0.301	0.056	< 0.01	< 2	6	88	0.09	< 20	2	< 2	< 10	59	< 10	5	13	
1095305 Dup	1.53	0.302	0.057	< 0.01	< 2	6	91	0.09	< 20	3	< 2	< 10	60	< 10	5	13	
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	
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Report No.: A20-10970-ReAssay

Report Date: 27-Oct-20

Date Submitted: 14-Sep-20

Your Reference:

Ardiden Ltd.  
684 Squire St.  
Thunder Bay ON  
Canada

ATTN: Daniel Grabiec

### CERTIFICATE OF ANALYSIS

245 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-10-27 08:34:41
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-10-27 10:42:05

REPORT      **A20-10970-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control Coordinator

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Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095096	693	
1095097	1380	
1095098	379	
1095099		7.03
1095101	143	
1095102	40	
1095103	106	
1095104	2050	
1095105	66	
1095106	1480	
1095107	252	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
OREAS 238 (Fire Assay) Meas	3040	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 257b (Fire Assay) Meas		14.1
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	498	
Oreas E1336 (Fire Assay) Cert	510	
1095099 Orig		7.57
1095099 Dup		6.49
1095106 Orig	1530	
1095106 Dup	1420	
Method Blank	< 5	
Method Blank		< 0.03





Report No.: A20-11104  
 Report Date: 16-Oct-20  
 Date Submitted: 15-Sep-20  
 Your Reference:

Ardiden Ltd.  
 684 Squire St.  
 Thunder Bay ON  
 Canada

ATTN: Daniel Grabiec

## CERTIFICATE OF ANALYSIS

44 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-09-30 10:02:07
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-10-02 09:14:50

REPORT      **A20-11104**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095316	< 5	< 0.2	< 0.5	5	730	< 1	1	< 2	68	1.60	< 2	< 10	69	< 0.5	< 2	2.45	11	3	5.89	< 10	< 1	0.13	11
1095317	< 5	< 0.2	< 0.5	13	898	< 1	2	< 2	94	1.67	< 2	< 10	30	< 0.5	< 2	1.86	13	4	7.89	10	< 1	0.12	12
1095318	< 5	< 0.2	< 0.5	10	861	< 1	2	< 2	89	1.50	< 2	< 10	38	< 0.5	< 2	1.69	13	4	7.65	10	< 1	0.12	13
1095319	8	< 0.2	< 0.5	5	918	< 1	2	< 2	88	1.79	< 2	< 10	72	< 0.5	< 2	2.36	14	4	7.86	10	2	0.13	14
1095320	566	0.6	0.8	127	673	6	12	85	141	1.26	36	< 10	91	< 0.5	< 2	0.99	6	25	2.66	< 10	< 1	0.12	< 10
1095321	88	< 0.2	< 0.5	4	802	< 1	3	< 2	84	1.63	3	< 10	103	0.5	< 2	1.98	14	3	7.05	10	1	0.16	20
1095322	7	< 0.2	< 0.5	< 1	894	< 1	2	< 2	91	1.61	< 2	< 10	91	0.5	< 2	2.49	12	4	8.07	10	2	0.15	10
1095323	21	< 0.2	< 0.5	8	878	< 1	3	< 2	85	1.53	3	< 10	82	0.6	< 2	2.29	13	4	7.26	10	3	0.14	12
1095324	< 5	< 0.2	< 0.5	< 1	700	< 1	1	< 2	70	1.58	< 2	< 10	99	< 0.5	< 2	2.34	11	4	5.63	< 10	< 1	0.17	11
1095325	< 5	< 0.2	< 0.5	< 1	713	< 1	< 1	< 2	71	1.63	< 2	< 10	101	< 0.5	< 2	2.40	12	4	5.75	10	< 1	0.17	12
1095326	< 5	< 0.2	< 0.5	14	873	< 1	2	< 2	91	1.73	< 2	< 10	52	< 0.5	< 2	1.89	15	4	8.22	10	< 1	0.14	11
1095327	< 5	< 0.2	< 0.5	7	789	< 1	2	< 2	81	1.75	< 2	< 10	75	< 0.5	< 2	2.09	13	5	7.27	10	2	0.15	11
1095328	55	< 0.2	< 0.5	12	804	< 1	< 1	< 2	60	1.41	< 2	< 10	50	< 0.5	< 2	2.35	11	5	6.74	10	< 1	0.10	11
1095329	1630	0.2	< 0.5	16	792	< 1	2	< 2	65	1.54	2	< 10	22	< 0.5	< 2	2.75	16	3	6.32	10	< 1	0.04	11
1095330	5	< 0.2	< 0.5	18	621	3	6	< 2	34	1.22	< 2	< 10	66	< 0.5	< 2	1.07	3	13	2.40	< 10	< 1	0.09	< 10
1095331	18	< 0.2	< 0.5	6	724	< 1	1	< 2	64	1.46	< 2	< 10	119	< 0.5	< 2	1.84	11	4	6.46	10	< 1	0.08	16
1095332	18	< 0.2	< 0.5	5	1020	< 1	3	< 2	67	1.94	< 2	< 10	133	< 0.5	< 2	3.15	12	3	7.99	10	< 1	0.11	18
1095333	< 5	< 0.2	< 0.5	5	784	< 1	2	< 2	46	1.77	< 2	< 10	21	< 0.5	< 2	2.38	10	3	6.47	10	< 1	0.06	12
1095334	19	< 0.2	< 0.5	3	955	< 1	1	< 2	46	1.94	26	< 10	20	< 0.5	< 2	2.44	13	3	7.22	10	< 1	0.04	11
1095335	167	< 0.2	< 0.5	3	614	< 1	< 1	< 2	21	1.36	49	< 10	17	< 0.5	< 2	2.17	11	3	4.26	< 10	< 1	0.04	10
1095336	198	< 0.2	< 0.5	7	576	< 1	< 1	< 2	17	1.14	40	< 10	58	< 0.5	< 2	2.70	14	2	4.92	< 10	< 1	0.09	< 10
1095337	1410	< 0.2	< 0.5	11	714	< 1	< 1	< 2	27	1.32	10	< 10	57	< 0.5	< 2	3.36	14	2	4.76	< 10	< 1	0.18	< 10
1095338	414	< 0.2	< 0.5	16	942	< 1	1	< 2	21	1.42	86	< 10	18	< 0.5	< 2	3.92	22	2	5.72	< 10	< 1	0.05	< 10
1095339	6	< 0.2	< 0.5	12	658	< 1	1	< 2	23	1.43	2	< 10	44	< 0.5	< 2	2.48	20	2	5.66	10	< 1	0.07	< 10
1095340	2980	9.8	5.2	77	441	4	30	368	734	1.38	4020	< 10	30	< 0.5	< 2	2.51	13	25	7.92	< 10	< 1	0.23	12
1095341	5	< 0.2	< 0.5	25	780	< 1	2	< 2	40	1.99	3	< 10	14	< 0.5	< 2	2.94	26	2	6.04	< 10	< 1	0.09	< 10
1095342	18	< 0.2	< 0.5	32	940	< 1	3	< 2	44	1.75	2	< 10	32	< 0.5	2	4.34	28	2	6.55	< 10	< 1	0.12	< 10
1095343	11	< 0.2	< 0.5	32	844	< 1	3	< 2	46	2.16	< 2	< 10	20	< 0.5	< 2	3.08	36	< 1	7.04	< 10	< 1	0.11	< 10
1095344	10	< 0.2	< 0.5	6	725	< 1	2	< 2	21	1.28	< 2	< 10	10	< 0.5	< 2	4.24	15	2	3.66	< 10	< 1	0.04	< 10
1095345	10	< 0.2	< 0.5	35	770	< 1	3	< 2	42	1.91	< 2	< 10	263	< 0.5	3	3.75	31	< 1	6.27	< 10	< 1	0.49	< 10
1095346	5	< 0.2	< 0.5	29	764	< 1	2	< 2	31	1.41	< 2	< 10	93	< 0.5	3	3.18	23	1	6.62	< 10	< 1	0.16	< 10
1095347	< 5	< 0.2	< 0.5	22	579	< 1	2	< 2	30	1.54	< 2	< 10	17	< 0.5	< 2	2.92	28	< 1	5.27	< 10	< 1	0.08	< 10
1095348	5	< 0.2	< 0.5	50	638	< 1	4	< 2	38	1.76	< 2	< 10	144	< 0.5	3	2.99	33	1	6.15	< 10	< 1	0.45	< 10
1095349	167	< 0.2	< 0.5	87	721	< 1	12	< 2	44	2.04	< 2	< 10	39	< 0.5	< 2	3.18	32	2	6.09	< 10	< 1	0.09	< 10
1095350	< 5	< 0.2	< 0.5	18	608	3	6	< 2	32	1.19	< 2	< 10	66	< 0.5	< 2	1.04	3	13	2.33	< 10	< 1	0.09	< 10
1095351	51	0.2	< 0.5	146	697	< 1	14	< 2	34	2.00	< 2	< 10	23	< 0.5	< 2	3.09	42	3	6.28	< 10	< 1	0.06	< 10
1095352	430	< 0.2	< 0.5	71	679	1	9	< 2	47	2.01	< 2	< 10	82	< 0.5	< 2	3.25	38	3	6.18	< 10	< 1	0.22	< 10
1095353	703	0.2	< 0.5	90	681	< 1	11	< 2	43	2.06	< 2	< 10	98	< 0.5	3	3.35	37	3	6.38	< 10	< 1	0.38	< 10
1095354	100	< 0.2	< 0.5	71	679	< 1	13	< 2	45	2.00	< 2	< 10	22	< 0.5	< 2	3.08	48	1	6.59	< 10	< 1	0.05	< 10
1095355	87	0.2	< 0.5	120	636	< 1	18	< 2	52	2.47	< 2	< 10	51	< 0.5	< 2	3.06	47	2	6.78	< 10	2	0.17	< 10
1095356	14	< 0.2	< 0.5	243	703	< 1	28	< 2	45	2.42	< 2	< 10	40	< 0.5	< 2	3.53	44	4	6.57	< 10	3	0.19	< 10
1095357	11	< 0.2	< 0.5	271	678	< 1	45	< 2	45	2.11	< 2	< 10	78	< 0.5	< 2	2.96	42	3	5.95	< 10	< 1	0.20	< 10
1095358	12	< 0.2	< 0.5	278	661	< 1	63	< 2	47	1.79	< 2	< 10	21	< 0.5	< 2	2.86	41	8	5.49	< 10	< 1	0.07	< 10
1095359	25	< 0.2	< 0.5	98	640	< 1	31	< 2	37	1.56	< 2	< 10	196	< 0.5	< 2	2.65	25	10	3.89	< 10	< 1	0.54	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095316	0.52	0.246	0.108	0.03	< 2	16	17	0.14	< 20	< 1	< 2	< 10	1	< 10	36	6
1095317	0.48	0.288	0.115	0.09	3	16	10	0.14	< 20	3	< 2	< 10	1	< 10	42	9
1095318	0.43	0.255	0.118	0.10	3	15	8	0.15	< 20	< 1	< 2	< 10	1	< 10	43	8
1095319	0.53	0.246	0.112	0.22	< 2	16	17	0.15	< 20	< 1	< 2	< 10	2	< 10	40	9
1095320	0.53	0.110	0.036	0.09	3	4	45	0.11	< 20	2	< 2	< 10	33	< 10	9	7
1095321	0.51	0.258	0.115	0.52	2	16	16	0.14	< 20	2	< 2	< 10	9	< 10	36	12
1095322	0.50	0.261	0.111	0.03	2	16	21	0.13	< 20	3	< 2	< 10	1	< 10	34	8
1095323	0.48	0.244	0.115	0.17	3	15	20	0.14	< 20	2	< 2	< 10	1	< 10	37	9
1095324	0.47	0.242	0.110	0.02	< 2	14	15	0.12	< 20	2	< 2	< 10	2	< 10	34	7
1095325	0.48	0.245	0.113	0.02	< 2	14	15	0.12	< 20	2	< 2	< 10	1	< 10	35	7
1095326	0.46	0.269	0.118	0.14	< 2	18	9	0.15	< 20	2	< 2	< 10	1	< 10	40	9
1095327	0.46	0.268	0.115	0.06	< 2	18	10	0.14	< 20	2	< 2	< 10	1	< 10	38	8
1095328	0.35	0.192	0.111	0.11	2	15	15	0.15	< 20	2	< 2	< 10	< 1	< 10	35	8
1095329	0.46	0.207	0.125	0.83	2	14	19	0.15	< 20	2	< 2	< 10	15	< 10	31	10
1095330	0.46	0.081	0.037	0.04	< 2	3	44	0.10	< 20	3	< 2	< 10	25	< 10	10	5
1095331	0.36	0.214	0.113	0.23	< 2	14	10	0.13	< 20	4	< 2	< 10	1	< 10	37	10
1095332	0.45	0.305	0.123	0.21	2	18	30	0.15	< 20	1	< 2	< 10	2	< 10	44	12
1095333	0.42	0.257	0.122	0.06	< 2	19	12	0.17	< 20	2	< 2	< 10	1	< 10	41	10
1095334	0.48	0.242	0.112	0.07	3	20	13	0.15	< 20	< 1	2	< 10	2	< 10	40	10
1095335	0.43	0.171	0.114	0.15	< 2	15	12	0.14	< 20	2	< 2	< 10	2	< 10	34	9
1095336	0.40	0.175	0.106	0.27	< 2	15	15	0.16	< 20	2	< 2	< 10	3	< 10	31	12
1095337	0.62	0.179	0.099	0.65	< 2	18	16	0.17	< 20	3	< 2	< 10	16	< 10	32	9
1095338	0.50	0.231	0.091	0.43	3	22	24	0.17	< 20	6	< 2	< 10	15	< 10	32	7
1095339	0.56	0.180	0.098	0.22	< 2	20	15	0.17	< 20	6	< 2	< 10	49	< 10	29	6
1095340	0.86	0.035	0.053	1.08	6	2	137	0.02	< 20	4	2	< 10	21	18	4	16
1095341	1.09	0.338	0.055	0.26	3	26	14	0.28	< 20	7	< 2	< 10	83	< 10	22	5
1095342	0.84	0.288	0.058	0.42	< 2	24	42	0.24	< 20	6	< 2	< 10	69	< 10	22	6
1095343	1.21	0.369	0.040	0.44	3	29	15	0.30	< 20	2	< 2	< 10	76	< 10	16	5
1095344	0.86	0.210	0.070	0.03	< 2	18	25	0.20	< 20	5	< 2	< 10	55	< 10	20	5
1095345	1.15	0.240	0.042	0.20	2	25	29	0.28	< 20	1	< 2	< 10	192	< 10	15	5
1095346	0.84	0.237	0.057	0.05	< 2	23	16	0.24	< 20	5	< 2	< 10	129	< 10	20	6
1095347	1.13	0.275	0.033	0.04	< 2	22	15	0.26	< 20	1	< 2	< 10	181	< 10	12	4
1095348	1.13	0.248	0.041	0.13	< 2	23	20	0.28	< 20	5	< 2	< 10	246	< 10	14	4
1095349	1.20	0.327	0.030	0.42	2	27	18	0.26	< 20	3	< 2	< 10	290	< 10	12	4
1095350	0.45	0.082	0.036	0.04	< 2	3	43	0.10	< 20	1	< 2	< 10	25	< 10	10	5
1095351	1.22	0.316	0.024	1.03	< 2	26	17	0.24	< 20	3	< 2	< 10	281	< 10	10	4
1095352	1.23	0.283	0.027	0.62	< 2	24	21	0.26	< 20	4	< 2	< 10	296	< 10	11	4
1095353	1.38	0.267	0.024	0.77	3	25	18	0.27	< 20	4	< 2	< 10	296	15	11	4
1095354	1.30	0.337	0.028	0.72	3	26	19	0.28	< 20	6	< 2	< 10	372	< 10	10	4
1095355	1.57	0.309	0.020	0.78	< 2	27	17	0.26	< 20	< 1	< 2	< 10	455	< 10	9	3
1095356	2.01	0.343	0.017	0.59	< 2	25	14	0.27	< 20	5	< 2	< 10	484	< 10	7	3
1095357	1.88	0.336	0.018	0.59	< 2	23	12	0.23	< 20	< 1	< 2	< 10	448	< 10	7	3
1095358	1.71	0.303	0.018	0.63	< 2	21	10	0.21	< 20	4	3	< 10	380	< 10	6	3
1095359	1.73	0.198	0.015	0.15	< 2	15	9	0.18	< 20	5	< 2	< 10	116	< 10	5	2

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	65	1030	1	23	90	118	6.86	204	< 10	767	0.8	< 2	0.13	15	74	5.23	20	3	1.05	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	65	1020	1	23	91	118	6.82	214	< 10	764	0.8	2	0.13	14	73	5.23	20	1	1.04	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	65	1020	1	24	89	116	6.78	222	< 10	757	0.8	< 2	0.13	14	72	5.20	10	2	1.04	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.8	0.5	2170	749	< 1	34	56	243	2.75	5		81	0.7	6	0.39	19	41	4.79	< 10		0.45	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2170	760	< 1	35	60	243	2.78	6		81	0.7	6	0.39	19	42	4.88	< 10		0.45	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2190	759	< 1	35	61	242	2.81	5		82	0.7	6	0.39	20	41	4.85	< 10		0.46	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4210	839	< 1	34	75	323	2.80	6		62	0.6	23	0.39	21	44	5.65	< 10		0.38	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.8	0.6	4420	875	< 1	33	77	330	2.89	7		64	0.6	25	0.40	23	40	5.81	< 10		0.39	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4170	850	< 1	32	74	315	2.78	5		64	0.6	17	0.39	22	38	5.62	< 10		0.39	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 621 (Aqua Regia) Meas		64.6	291	3540	527	11	28	> 5000	> 10000	1.74	71			0.5	< 2	1.60	30	35	3.35	< 10	3	0.36	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		66.5	286	3540	531	13	28	> 5000	> 10000	1.71	73			0.5	< 2	1.62	30	35	3.37	< 10	4	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		63.9	282	3530	516	12	24	> 5000	> 10000	1.67	71			0.5	< 2	1.57	29	27	3.24	< 10	4	0.34	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 45f (Aqua Regia) Meas				339	166	1	230	9	25	7.22			141	1.0	2	0.07	39	328	13.2	20	< 1	0.10	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua				332	165	1	223	7	25	7.15			140	1.0	< 2	0.07	36	325	13.1	20	< 1	0.10	11

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				349	173	1	226	10	26	7.35			143	1.0	< 2	0.07	40	332	13.6	20	3	0.10	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3000																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	490																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						
1095316 Orig		< 0.2	< 0.5	5	729	< 1	2	< 2	68	1.59	< 2	< 10	69	< 0.5	< 2	2.46	11	3	5.91	10	< 1	0.13	11
1095316 Dup		< 0.2	< 0.5	5	731	< 1	1	< 2	68	1.60	< 2	< 10	69	< 0.5	< 2	2.45	11	3	5.87	< 10	< 1	0.12	11
1095325 Orig	< 5																						
1095325 Dup	< 5																						
1095330 Orig		< 0.2	< 0.5	18	617	3	7	< 2	33	1.21	2	< 10	65	< 0.5	< 2	1.06	3	13	2.38	< 10	< 1	0.09	< 10
1095330 Dup		< 0.2	< 0.5	18	624	3	6	< 2	34	1.22	< 2	< 10	67	< 0.5	< 2	1.07	3	13	2.42	< 10	< 1	0.09	< 10
1095335 Orig	184																						
1095335 Dup	149																						
1095343 Orig		< 0.2	< 0.5	32	854	< 1	3	< 2	46	2.20	< 2	< 10	20	< 0.5	< 2	3.14	36	1	7.20	< 10	1	0.11	< 10
1095343 Dup		< 0.2	< 0.5	32	834	< 1	3	< 2	45	2.11	< 2	< 10	20	< 0.5	2	3.02	35	< 1	6.88	< 10	< 1	0.11	< 10
1095345 Orig	10																						
1095345 Dup	9																						
1095357 Orig		< 0.2	< 0.5	269	675	< 1	46	< 2	45	2.10	< 2	< 10	76	< 0.5	< 2	2.96	43	3	5.91	< 10	< 1	0.19	< 10
1095357 Dup		< 0.2	< 0.5	274	681	< 1	44	< 2	45	2.11	< 2	< 10	79	< 0.5	< 2	2.97	41	3	6.00	< 10	< 1	0.20	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.127	0.032	0.01	< 2	21	28		< 20	< 1	< 2	< 10	156	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.126	0.033	0.01	5	21	28		< 20	< 1	< 2	< 10	157	< 10	5	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.125	0.032	0.01	4	20	28		< 20	< 1	< 2	< 10	160	< 10	5	11
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.30	0.035	0.059	0.34	3	4	15		< 20		3	< 10	33	< 10	19	16
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.32	0.036	0.061	0.36	3	4	15		< 20		2	< 10	33	< 10	19	26
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.31	0.035	0.060	0.36	2	4	15		< 20		2	< 10	33	< 10	19	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.42		0.058	0.65	< 2	4	14		< 20		< 2	< 10	33	< 10	17	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.46		0.059	0.67	2	4	14		< 20		3	< 10	33	< 10	18	31
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.42		0.057	0.65	< 2	4	14		< 20		< 2	< 10	32	< 10	18	30
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 621 (Aqua Regia) Meas	0.44	0.177	0.032	4.24	104	2	16		< 20		< 2	< 10	12	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.44	0.176	0.033	4.46	113	2	16		< 20		3	< 10	12	< 10	7	66
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.170	0.031	4.33	105	2	17		< 20		< 2	< 10	12	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.18	0.055	0.020	0.02		28	14	0.10	< 20		< 2	< 10	192		5	16
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua	0.18	0.054	0.021	0.02		28	14	0.10	< 20		< 2	< 10	193		5	18

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.18	0.054	0.021	0.02		29	15	0.12	< 20		3	< 10	199		6	19
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
1095316 Orig	0.52	0.247	0.109	0.03	< 2	16	17	0.14	< 20	4	< 2	< 10	1	< 10	36	6
1095316 Dup	0.52	0.244	0.108	0.03	< 2	16	17	0.15	< 20	< 1	< 2	< 10	2	< 10	36	6
1095325 Orig																
1095325 Dup																
1095330 Orig	0.46	0.080	0.037	0.04	< 2	3	44	0.10	< 20	5	< 2	< 10	25	< 10	10	5
1095330 Dup	0.47	0.082	0.037	0.04	< 2	3	44	0.10	< 20	2	< 2	< 10	25	< 10	10	5
1095335 Orig																
1095335 Dup																
1095343 Orig	1.24	0.378	0.041	0.44	3	29	15	0.31	< 20	2	2	< 10	78	< 10	16	5
1095343 Dup	1.18	0.361	0.040	0.43	3	28	15	0.29	< 20	3	< 2	< 10	74	< 10	16	5
1095345 Orig																
1095345 Dup																
1095357 Orig	1.87	0.334	0.018	0.59	< 2	23	12	0.22	< 20	4	< 2	< 10	448	< 10	7	3
1095357 Dup	1.90	0.338	0.018	0.59	< 2	23	12	0.23	< 20	< 1	< 2	< 10	449	< 10	7	3
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																



Report No.: A20-12897
Report Date: 14-Dec-20
Date Submitted: 16-Oct-20
Your Reference: Kasagiminnis

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Daniel Grabiec

CERTIFICATE OF ANALYSIS

166 Core samples were submitted for analysis.

Table with 3 columns: Analytical package, Method, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay with their respective methods and dates.

REPORT A20-12897

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: insufficient material for sample 1095430

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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## Results

## Activation Laboratories Ltd.

## Report: A20-12897

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095360	> 5000	2.5	3.1	386	354	9	25	120	605	1.68	6870	< 10	14	< 0.5	2	1.64	17	27	12.6	< 10	< 1	0.24	< 10
1095361	78	< 0.2	0.7	152	669	< 1	101	< 2	78	3.62	6	< 10	< 10	< 0.5	< 2	4.13	32	107	4.54	< 10	< 1	0.06	< 10
1095362	6	< 0.2	< 0.5	142	695	< 1	98	7	54	3.59	< 2	< 10	77	< 0.5	< 2	4.10	29	101	4.82	< 10	2	0.33	< 10
1095363	< 5	< 0.2	< 0.5	90	716	< 1	85	< 2	100	5.85	< 2	< 10	130	< 0.5	3	4.51	22	101	4.66	< 10	2	0.63	< 10
1095364	< 5	< 0.2	< 0.5	124	866	< 1	117	< 2	77	5.76	< 2	< 10	107	< 0.5	< 2	4.68	34	130	5.70	< 10	2	0.66	< 10
1095365	< 5	< 0.2	< 0.5	126	824	< 1	117	< 2	77	5.61	< 2	< 10	112	< 0.5	< 2	4.53	33	133	5.58	< 10	4	0.71	< 10
1095366	< 5	< 0.2	< 0.5	120	757	< 1	79	2	58	3.99	< 2	< 10	83	< 0.5	< 2	4.32	28	123	5.23	< 10	2	0.40	11
1095367	10	0.7	< 0.5	193	925	< 1	153	5	90	3.47	< 2	< 10	29	< 0.5	< 2	4.18	50	166	6.86	< 10	1	0.13	< 10
1095368	< 5	0.2	< 0.5	83	648	< 1	73	7	56	2.56	< 2	< 10	130	< 0.5	< 2	3.08	20	126	3.23	< 10	1	0.56	25
1095369	< 5	< 0.2	< 0.5	38	862	< 1	47	4	57	2.02	< 2	< 10	277	< 0.5	< 2	2.58	16	84	3.26	< 10	< 1	0.98	30
1095370	< 5	< 0.2	< 0.5	18	604	4	6	2	33	1.25	< 2	< 10	56	< 0.5	< 2	1.07	6	13	2.27	< 10	< 1	0.10	< 10
1095371	< 5	< 0.2	< 0.5	69	804	< 1	76	< 2	58	2.86	< 2	< 10	346	< 0.5	< 2	3.96	23	112	4.71	< 10	2	1.33	19
1095372	< 5	< 0.2	< 0.5	63	788	< 1	67	4	59	2.08	< 2	< 10	286	< 0.5	< 2	3.06	20	117	3.82	< 10	< 1	0.97	22
1095373	5	< 0.2	< 0.5	49	520	< 1	62	2	53	3.79	2	< 10	390	< 0.5	< 2	2.55	19	142	2.86	< 10	< 1	1.47	27
1095374	5	0.2	< 0.5	48	680	2	59	6	55	4.60	< 2	< 10	64	< 0.5	< 2	4.25	17	91	3.30	< 10	< 1	1.00	26
1095375	6	< 0.2	< 0.5	52	687	< 1	63	8	70	3.82	< 2	< 10	52	< 0.5	< 2	2.53	20	95	3.63	< 10	2	1.01	28
1095376	< 5	< 0.2	< 0.5	83	557	< 1	76	4	77	2.07	< 2	< 10	151	< 0.5	< 2	1.32	25	107	3.63	< 10	1	0.61	16
1095377	< 5	< 0.2	< 0.5	37	465	< 1	44	4	89	2.02	< 2	< 10	44	< 0.5	< 2	0.73	16	77	3.12	< 10	< 1	0.93	24
1095378	< 5	< 0.2	< 0.5	52	548	< 1	48	3	187	2.18	< 2	< 10	55	< 0.5	< 2	1.01	16	78	3.33	< 10	< 1	0.83	24
1095379	< 5	< 0.2	0.6	82	846	< 1	61	3	272	3.04	< 2	< 10	31	< 0.5	< 2	1.98	18	91	4.70	< 10	2	0.73	19
1095380	759	0.7	0.6	124	675	7	12	89	143	1.40	40	11	84	< 0.5	< 2	1.04	7	23	2.69	< 10	< 1	0.13	< 10
1095381	6	< 0.2	< 0.5	90	653	< 1	75	< 2	71	3.29	< 2	< 10	152	< 0.5	< 2	2.53	27	97	4.46	< 10	2	0.22	< 10
1095382	< 5	< 0.2	< 0.5	42	627	< 1	49	< 2	131	2.26	< 2	< 10	253	< 0.5	< 2	2.54	16	78	3.63	< 10	2	0.40	21
1095383	5	< 0.2	< 0.5	54	449	< 1	41	3	99	1.67	< 2	< 10	409	< 0.5	< 2	1.00	18	124	2.41	< 10	< 1	0.55	28
1095384	7	< 0.2	< 0.5	146	482	< 1	50	< 2	43	2.32	< 2	< 10	209	< 0.5	< 2	1.45	19	85	3.08	< 10	< 1	0.42	16
1095385	< 5	< 0.2	< 0.5	22	354	< 1	33	< 2	29	1.82	< 2	< 10	153	< 0.5	< 2	1.20	14	86	2.24	< 10	< 1	0.36	< 10
1095386	5	< 0.2	< 0.5	74	382	< 1	38	< 2	33	2.19	< 2	< 10	193	< 0.5	< 2	1.42	15	77	2.54	< 10	< 1	0.37	10
1095387	14	< 0.2	< 0.5	124	190	< 1	26	< 2	26	2.18	< 2	< 10	129	< 0.5	< 2	0.94	12	72	1.89	< 10	< 1	0.25	< 10
1095388	26	0.3	< 0.5	699	451	< 1	33	< 2	41	3.72	< 2	< 10	106	< 0.5	< 2	2.62	21	65	2.68	< 10	< 1	0.19	< 10
1095389	14	< 0.2	< 0.5	126	615	< 1	15	< 2	38	1.44	< 2	< 10	43	< 0.5	< 2	2.56	21	5	4.45	< 10	2	0.07	< 10
1095390	< 5	< 0.2	< 0.5	19	619	4	6	3	34	1.30	2	< 10	58	< 0.5	< 2	1.09	6	14	2.34	< 10	< 1	0.10	< 10
1095391	6	< 0.2	< 0.5	67	906	< 1	24	< 2	60	2.60	< 2	< 10	22	< 0.5	< 2	3.93	33	6	7.49	< 10	1	0.06	< 10
1095392	12	0.2	< 0.5	197	624	< 1	25	< 2	45	1.47	< 2	< 10	< 10	< 0.5	< 2	2.59	30	3	5.25	< 10	2	0.02	< 10
1095393	6	< 0.2	< 0.5	95	668	< 1	5	< 2	44	1.51	< 2	< 10	< 10	< 0.5	< 2	3.14	33	< 1	5.68	< 10	1	0.02	< 10
1095394	28	< 0.2	< 0.5	32	502	< 1	1	< 2	31	1.21	< 2	< 10	< 10	< 0.5	< 2	1.92	22	1	5.00	< 10	2	0.02	< 10
1095395	317	< 0.2	< 0.5	26	706	< 1	2	< 2	42	1.97	< 2	< 10	22	< 0.5	< 2	2.70	29	< 1	7.01	< 10	< 1	0.09	< 10
1095396	3720	0.8	< 0.5	123	867	4	2	3	30	1.26	3	< 10	30	< 0.5	< 2	4.56	51	2	8.30	< 10	1	0.13	11
1095397	328	< 0.2	< 0.5	24	1080	< 1	2	< 2	56	2.20	< 2	< 10	22	< 0.5	< 2	4.13	33	< 1	8.22	< 10	2	0.05	< 10
1095398	43	< 0.2	< 0.5	23	1110	< 1	3	< 2	65	2.67	< 2	< 10	37	< 0.5	2	4.52	35	< 1	9.21	10	< 1	0.06	< 10
1095399	24	< 0.2	< 0.5	43	719	< 1	4	< 2	58	2.48	< 2	< 10	18	< 0.5	< 2	3.89	43	< 1	7.85	< 10	3	0.05	< 10
1095400	3220	13.8	4.6	81	429	5	30	366	734	1.47	3980	< 10	40	< 0.5	< 2	2.50	15	26	8.19	< 10	< 1	0.24	13
1095401	29	< 0.2	< 0.5	45	874	< 1	2	< 2	67	2.79	3	< 10	< 10	< 0.5	4	4.01	42	< 1	9.43	10	2	0.04	< 10
1095402	< 5	< 0.2	< 0.5	35	723	< 1	2	< 2	45	2.08	3	< 10	32	< 0.5	< 2	3.69	34	< 1	6.68	< 10	1	0.09	< 10
1095403	< 5	< 0.2	< 0.5	26	649	< 1	< 1	< 2	37	1.77	< 2	< 10	31	< 0.5	2	3.09	27	< 1	5.89	< 10	2	0.08	< 10
1095404	< 5	< 0.2	< 0.5	45	786	< 1	2	5	59	2.63	< 2	< 10	68	< 0.5	< 2	3.41	39	< 1	8.03	10	< 1	0.11	< 10
1095405	< 5	< 0.2	< 0.5	43	768	< 1	2	2	59	2.65	< 2	< 10	74	< 0.5	< 2	3.31	38	< 1	7.98	< 10	1	0.12	< 10
1095406	< 5	< 0.2	< 0.5	54	688	< 1	2	< 2	42	1.85	< 2	< 10	14	< 0.5	3	2.82	34	< 1	6.68	< 10	2	0.04	< 10
1095407	< 5	< 0.2	< 0.5	54	801	< 1	2	< 2	43	2.31	< 2	< 10	43	< 0.5	< 2	3.49	41	< 1	8.05	< 10	2	0.08	< 10
1095408	< 5	< 0.2	< 0.5	51	754	< 1	2	< 2	34	1.91	< 2	< 10	< 10	< 0.5	< 2	3.61	37	< 1	7.57	< 10	2	0.03	< 10
1095409	76	< 0.2	< 0.5	51	778	< 1	2	< 2	41	2.70	< 2	< 10	< 10	< 0.5	2	3.62	42	< 1	8.75	10	< 1	0.03	< 10
1095410	< 5	< 0.2	< 0.5	19	611	4	6	2	34	1.29	< 2	< 10	58	< 0.5	< 2	1.08	6	14	2.32	< 10	< 1	0.10	< 10

## Results

## Activation Laboratories Ltd.

## Report: A20-12897

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095411	8	< 0.2	< 0.5	52	628	< 1	2	< 2	45	1.76	< 2	< 10	< 10	< 0.5	2	2.36	41	< 1	7.49	< 10	2	0.06	< 10
1095412	< 5	< 0.2	< 0.5	50	648	< 1	2	< 2	42	1.49	< 2	< 10	< 10	< 0.5	< 2	2.64	35	2	6.25	< 10	2	0.05	< 10
1095413	< 5	< 0.2	< 0.5	43	677	< 1	2	< 2	42	1.56	< 2	< 10	< 10	< 0.5	< 2	2.80	34	3	6.73	< 10	2	0.04	< 10
1095414	371	< 0.2	< 0.5	41	660	< 1	2	< 2	38	1.99	< 2	< 10	< 10	< 0.5	2	4.03	32	1	5.94	< 10	1	0.03	< 10
1095415	< 5	< 0.2	< 0.5	30	615	< 1	4	< 2	40	1.69	< 2	< 10	< 10	< 0.5	2	2.50	32	2	6.19	< 10	2	0.04	< 10
1095416	< 5	< 0.2	< 0.5	36	606	< 1	6	3	39	1.35	< 2	< 10	< 10	< 0.5	2	2.25	30	2	6.09	< 10	1	0.04	< 10
1095417	5	< 0.2	< 0.5	49	597	< 1	7	2	41	1.41	< 2	< 10	< 10	< 0.5	2	2.21	33	2	6.06	< 10	1	0.04	< 10
1095418	5	< 0.2	< 0.5	53	598	< 1	6	< 2	39	1.42	< 2	< 10	< 10	< 0.5	< 2	2.17	30	2	6.35	< 10	1	0.04	< 10
1095419	< 5	< 0.2	< 0.5	58	708	< 1	10	< 2	49	1.77	< 2	< 10	< 10	< 0.5	< 2	3.32	33	3	6.47	< 10	3	0.04	< 10
1095420	> 5000	2.2	3.0	367	349	9	26	120	603	1.59	6660	< 10	12	< 0.5	< 2	1.65	16	28	11.6	< 10	< 1	0.24	< 10
1095421	8	< 0.2	< 0.5	67	645	< 1	8	< 2	36	1.48	4	< 10	< 10	< 0.5	< 2	3.50	23	3	5.10	< 10	1	0.04	< 10
1095422	< 5	< 0.2	< 0.5	71	605	< 1	9	< 2	36	1.35	< 2	< 10	< 10	< 0.5	3	2.30	29	5	8.09	< 10	1	0.03	< 10
1095423	14	< 0.2	< 0.5	150	582	< 1	12	< 2	44	1.53	< 2	< 10	< 10	< 0.5	< 2	2.24	29	3	5.56	< 10	2	0.04	< 10
1095424	11	< 0.2	< 0.5	65	543	< 1	71	< 2	39	2.55	< 2	< 10	199	< 0.5	< 2	1.87	21	110	3.27	< 10	2	0.78	< 10
1095425	< 5	< 0.2	< 0.5	57	676	< 1	4	3	36	1.08	< 2	< 10	12	< 0.5	< 2	1.84	21	5	6.58	< 10	2	0.02	< 10
1095426	303	< 0.2	< 0.5	78	845	5	1	2	41	1.23	2	< 10	< 10	< 0.5	< 2	3.08	23	5	7.80	< 10	2	0.02	< 10
1095427	32	< 0.2	< 0.5	37	760	< 1	12	< 2	35	1.59	< 2	< 10	26	< 0.5	< 2	2.94	22	5	4.49	< 10	3	0.05	< 10
1095428	18	< 0.2	< 0.5	45	688	< 1	12	< 2	39	1.63	< 2	< 10	11	< 0.5	< 2	2.51	22	8	4.71	< 10	2	0.05	< 10
1095429	1270	0.4	< 0.5	212	742	< 1	16	< 2	38	1.65	< 2	< 10	44	< 0.5	< 2	4.60	28	7	5.16	< 10	2	0.46	< 10
1095430	5																						
1095431	13	< 0.2	< 0.5	97	643	< 1	31	< 2	24	1.59	< 2	< 10	101	< 0.5	< 2	5.10	21	25	3.14	< 10	< 1	0.33	< 10
1095432	9	< 0.2	< 0.5	73	726	< 1	28	< 2	14	1.37	< 2	< 10	89	< 0.5	< 2	8.25	13	38	2.17	< 10	< 1	0.23	< 10
1095433	7	< 0.2	< 0.5	154	827	< 1	95	5	77	3.97	< 2	< 10	153	< 0.5	< 2	3.96	31	113	4.80	< 10	< 1	0.56	< 10
1095434	23	< 0.2	< 0.5	125	682	< 1	63	< 2	67	2.18	< 2	< 10	78	< 0.5	< 2	3.38	25	86	3.81	< 10	1	0.39	< 10
1095435	52	0.3	0.6	206	664	1	100	< 2	249	2.24	10	< 10	75	< 0.5	< 2	3.01	46	90	4.98	< 10	2	0.89	< 10
1095436	28	< 0.2	< 0.5	103	1020	< 1	85	5	84	4.00	< 2	< 10	212	< 0.5	< 2	5.76	28	130	5.78	< 10	2	1.46	< 10
1095437	< 5	< 0.2	< 0.5	55	735	< 1	66	< 2	49	2.71	< 2	< 10	217	< 0.5	< 2	3.80	18	129	3.30	< 10	< 1	1.03	17
1095438	< 5	< 0.2	< 0.5	59	485	7	111	6	60	4.63	< 2	< 10	52	< 0.5	2	2.85	28	110	3.46	< 10	2	0.87	23
1095439	6	0.3	< 0.5	77	736	12	73	21	88	4.47	< 2	< 10	28	< 0.5	< 2	3.72	22	95	4.19	< 10	1	0.82	18
1095440	604	0.6	< 0.5	126	661	7	12	89	141	1.35	38	11	81	< 0.5	< 2	1.05	7	24	2.49	< 10	< 1	0.13	< 10
1095441	< 5	< 0.2	< 0.5	70	610	1	65	12	123	4.05	< 2	< 10	41	< 0.5	< 2	2.18	22	97	3.66	< 10	1	1.11	19
1095442	6	< 0.2	< 0.5	71	293	< 1	33	3	25	3.06	< 2	< 10	112	< 0.5	< 2	2.13	11	62	1.97	< 10	< 1	0.26	< 10
1095443	< 5	< 0.2	< 0.5	37	330	< 1	30	< 2	32	2.13	< 2	< 10	200	< 0.5	< 2	1.16	13	71	2.04	< 10	< 1	0.53	< 10
1095444	< 5	< 0.2	< 0.5	60	301	< 1	38	< 2	36	2.08	< 2	< 10	115	< 0.5	< 2	1.37	16	81	2.26	< 10	< 1	0.26	11
1095445	6	< 0.2	< 0.5	60	277	1	39	< 2	36	1.98	< 2	< 10	121	< 0.5	< 2	1.29	17	82	2.17	< 10	< 1	0.28	11
1095446	< 5	< 0.2	< 0.5	49	151	< 1	33	< 2	34	2.06	< 2	< 10	174	< 0.5	< 2	1.00	14	77	1.95	< 10	< 1	0.40	< 10
1095447	< 5	< 0.2	< 0.5	79	539	< 1	29	< 2	22	1.48	< 2	< 10	< 10	< 0.5	< 2	2.06	26	17	4.30	< 10	1	0.04	< 10
1095448	< 5	< 0.2	< 0.5	35	439	< 1	22	< 2	18	1.51	< 2	< 10	13	< 0.5	< 2	2.81	19	19	3.45	< 10	1	0.04	< 10
1095449	< 5	< 0.2	< 0.5	24	450	< 1	18	< 2	16	1.45	< 2	< 10	13	< 0.5	2	2.08	19	13	3.41	< 10	< 1	0.05	< 10
1095450	< 5	< 0.2	< 0.5	19	619	4	7	2	33	1.29	3	< 10	58	< 0.5	< 2	1.10	6	14	2.31	< 10	< 1	0.10	< 10
1095451	< 5	< 0.2	< 0.5	37	494	< 1	15	< 2	17	1.35	< 2	< 10	83	< 0.5	< 2	2.30	17	11	3.58	< 10	1	0.12	< 10
1095452	< 5	< 0.2	< 0.5	57	815	< 1	12	< 2	14	1.18	< 2	< 10	81	< 0.5	< 2	5.99	15	8	3.33	< 10	< 1	0.13	< 10
1095453	< 5	< 0.2	< 0.5	30	722	< 1	12	< 2	15	1.55	< 2	< 10	< 10	< 0.5	< 2	5.23	15	9	3.71	< 10	< 1	0.06	< 10
1095454	< 5	< 0.2	< 0.5	19	567	< 1	13	< 2	26	1.32	< 2	< 10	33	< 0.5	< 2	2.55	16	7	3.61	< 10	< 1	0.11	< 10
1095455	5	< 0.2	< 0.5	27	551	< 1	13	< 2	27	1.28	< 2	< 10	79	< 0.5	< 2	2.29	18	7	4.46	< 10	1	0.18	< 10
1095456	< 5	< 0.2	< 0.5	26	547	< 1	17	2	26	1.17	< 2	< 10	80	< 0.5	< 2	2.40	19	7	4.24	< 10	1	0.12	< 10
1095457	8	< 0.2	< 0.5	65	557	< 1	15	< 2	33	1.45	< 2	< 10	16	< 0.5	< 2	2.33	19	8	4.17	< 10	1	0.07	< 10
1095458	9	< 0.2	< 0.5	75	542	< 1	14	< 2	33	1.50	< 2	< 10	< 10	< 0.5	2	2.10	22	5	5.03	< 10	2	0.04	< 10
1095459	< 5	0.2	< 0.5	88	835	2	20	< 2	51	1.48	< 2	< 10	428	< 0.5	< 2	3.02	24	5	5.37	< 10	< 1	0.15	19
1095460	3130	12.7	4.7	78	423	5	29	356	729	1.43	3890	< 10	33	< 0.5	< 2	2.47	14	26	7.92	< 10	< 1	0.23	13
1095461	5	< 0.2	< 0.5	81	610	< 1	16	3	35	1.25	< 2	< 10	10	< 0.5	< 2	2.71	21	5	4.89	< 10	< 1	0.06	< 10

## Results

## Activation Laboratories Ltd.

## Report: A20-12897

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	2	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095462	9	< 0.2	< 0.5	200	641	< 1	20	2	50	1.36	< 2	< 10	11	< 0.5	< 2	2.75	27	3	5.30	< 10	1	0.05	< 10
1095463	6	< 0.2	< 0.5	152	680	< 1	13	< 2	57	1.61	< 2	< 10	< 10	< 0.5	< 2	2.44	26	3	6.35	< 10	2	0.07	< 10
1095464	5	< 0.2	< 0.5	56	652	< 1	3	< 2	66	1.73	< 2	< 10	13	< 0.5	2	1.90	26	2	7.99	< 10	1	0.07	< 10
1095465	< 5	< 0.2	< 0.5	86	646	< 1	4	2	56	1.47	< 2	< 10	11	< 0.5	< 2	1.94	25	3	6.78	< 10	2	0.07	< 10
1095466	< 5	< 0.2	< 0.5	26	735	< 1	2	< 2	71	1.95	< 2	< 10	14	< 0.5	3	2.33	23	3	7.61	10	1	0.07	< 10
1095467	< 5	< 0.2	< 0.5	6	761	< 1	2	< 2	63	1.85	< 2	< 10	18	< 0.5	2	1.96	21	4	8.30	10	2	0.08	< 10
1095468	< 5	< 0.2	< 0.5	17	700	< 1	2	2	63	1.87	< 2	< 10	20	< 0.5	3	1.86	20	3	6.91	10	2	0.11	< 10
1095469	< 5	< 0.2	< 0.5	29	632	< 1	2	< 2	58	1.81	< 2	< 10	18	< 0.5	2	2.04	23	3	6.51	< 10	2	0.09	< 10
1095470	< 5	< 0.2	< 0.5	19	611	4	6	3	33	1.28	< 2	< 10	56	< 0.5	< 2	1.10	6	13	2.26	< 10	< 1	0.10	< 10
1095471	< 5	< 0.2	< 0.5	32	651	< 1	3	< 2	51	1.66	< 2	< 10	11	< 0.5	< 2	2.11	23	3	6.58	< 10	1	0.08	< 10
1095472	< 5	0.2	< 0.5	15	532	< 1	2	< 2	44	1.39	< 2	< 10	19	< 0.5	< 2	2.02	17	4	6.00	< 10	2	0.10	< 10
1095473	< 5	< 0.2	< 0.5	22	727	< 1	2	< 2	49	1.55	< 2	< 10	11	< 0.5	< 2	2.05	23	3	7.74	10	< 1	0.10	< 10
1095474	< 5	< 0.2	< 0.5	34	618	1	2	2	50	1.46	< 2	< 10	62	< 0.5	2	1.91	24	4	7.32	< 10	1	0.15	< 10
1095475	< 5	< 0.2	< 0.5	13	647	< 1	2	< 2	35	1.52	< 2	< 10	49	< 0.5	< 2	2.16	21	3	7.03	< 10	2	0.12	< 10
1095476	< 5	< 0.2	< 0.5	46	620	< 1	3	< 2	35	1.62	< 2	< 10	106	< 0.5	< 2	2.44	28	6	5.99	< 10	< 1	0.12	< 10
1095477	< 5	< 0.2	< 0.5	26	612	1	2	< 2	36	1.62	< 2	< 10	19	< 0.5	2	2.50	27	4	6.42	< 10	2	0.04	< 10
1095478	< 5	< 0.2	< 0.5	39	700	< 1	2	< 2	45	1.83	< 2	< 10	< 10	< 0.5	< 2	2.82	33	2	5.96	< 10	2	0.02	< 10
1095479	6	< 0.2	< 0.5	56	660	< 1	4	< 2	38	1.68	< 2	< 10	< 10	< 0.5	< 2	2.99	34	2	5.99	< 10	1	0.02	< 10
1095480	> 5000	2.2	2.7	359	367	10	23	125	656	1.61	6730	< 10	18	< 0.5	< 2	1.76	17	27	11.7	< 10	< 1	0.25	< 10
1095481	< 5	< 0.2	< 0.5	32	778	< 1	4	< 2	37	1.35	3	< 10	181	< 0.5	3	2.87	28	3	8.36	< 10	1	0.25	< 10
1095482	12	< 0.2	< 0.5	44	891	< 1	5	< 2	29	1.40	< 2	< 10	21	< 0.5	< 2	5.87	25	2	5.11	< 10	< 1	0.05	< 10
1095483	17	< 0.2	< 0.5	69	590	< 1	4	2	47	1.32	< 2	< 10	< 10	< 0.5	< 2	3.35	44	2	6.87	< 10	1	0.02	< 10
1095484	< 5	< 0.2	< 0.5	47	538	< 1	4	< 2	40	1.57	< 2	< 10	10	< 0.5	2	2.41	35	1	6.60	< 10	1	0.03	< 10
1095485	< 5	< 0.2	< 0.5	55	667	< 1	4	< 2	43	1.56	< 2	< 10	11	< 0.5	< 2	3.14	39	2	6.55	< 10	1	0.05	< 10
1095486	< 5	< 0.2	< 0.5	49	644	< 1	4	< 2	39	1.32	< 2	< 10	11	< 0.5	< 2	2.87	32	1	6.21	< 10	2	0.05	< 10
1095487	< 5	< 0.2	< 0.5	53	647	< 1	5	< 2	47	1.51	< 2	< 10	12	< 0.5	< 2	2.53	37	2	6.71	< 10	< 1	0.05	< 10
1095488	< 5	< 0.2	< 0.5	78	609	< 1	9	< 2	51	1.42	< 2	< 10	22	< 0.5	2	2.09	33	1	6.40	< 10	< 1	0.06	< 10
1095489	7	< 0.2	< 0.5	106	752	< 1	16	< 2	63	1.94	< 2	< 10	123	< 0.5	3	2.70	36	2	7.32	< 10	2	0.16	< 10
1095490	< 5	< 0.2	< 0.5	19	640	4	6	< 2	35	1.31	< 2	< 10	64	< 0.5	< 2	1.15	6	14	2.45	< 10	< 1	0.10	< 10
1095491	12	< 0.2	< 0.5	137	562	< 1	14	< 2	40	1.20	< 2	< 10	< 10	< 0.5	2	2.20	31	3	6.50	< 10	2	0.04	< 10
1095492	14	< 0.2	< 0.5	163	645	< 1	15	< 2	41	1.36	< 2	< 10	17	< 0.5	< 2	3.52	30	3	5.87	< 10	2	0.06	< 10
1095493	12	0.6	< 0.5	161	2140	4	24	5	101	1.55	< 2	< 10	43	< 0.5	2	5.52	46	4	8.72	< 10	2	0.30	60
1095494	7	< 0.2	< 0.5	152	660	< 1	17	< 2	55	1.29	< 2	< 10	92	< 0.5	< 2	2.54	37	3	7.19	< 10	1	0.11	< 10
1095495	< 5	< 0.2	< 0.5	168	547	< 1	16	< 2	44	1.27	< 2	< 10	14	< 0.5	< 2	2.13	32	3	6.03	< 10	2	0.05	< 10
1095496	11	< 0.2	< 0.5	152	664	< 1	17	< 2	49	1.68	< 2	< 10	11	< 0.5	< 2	2.61	31	4	5.68	< 10	2	0.06	< 10
1095497	9	< 0.2	< 0.5	144	626	< 1	16	< 2	46	1.61	< 2	< 10	11	< 0.5	< 2	2.58	30	4	5.89	< 10	1	0.05	< 10
1095498	11	< 0.2	< 0.5	164	642	< 1	16	< 2	47	1.70	< 2	< 10	10	< 0.5	< 2	3.01	31	6	5.53	< 10	2	0.04	< 10
1095499	14	< 0.2	< 0.5	121	699	< 1	13	< 2	45	2.08	< 2	< 10	12	< 0.5	< 2	3.62	30	4	5.51	< 10	< 1	0.04	< 10
1095500	537	0.7	0.6	116	692	7	11	88	151	1.38	39	11	88	< 0.5	< 2	1.10	7	23	2.72	< 10	< 1	0.13	< 10
1095501	7	< 0.2	< 0.5	153	637	< 1	14	< 2	50	1.81	< 2	< 10	< 10	< 0.5	< 2	2.60	35	5	6.43	< 10	2	0.04	< 10
1095502	7	< 0.2	< 0.5	172	684	< 1	13	< 2	54	1.67	< 2	< 10	< 10	< 0.5	< 2	2.56	40	3	7.54	< 10	< 1	0.04	< 10
1095503	9	< 0.2	< 0.5	135	688	< 1	14	< 2	49	1.80	< 2	< 10	11	< 0.5	< 2	2.83	34	4	7.20	< 10	2	0.04	< 10
1095504	10	< 0.2	< 0.5	154	628	< 1	15	< 2	49	1.64	< 2	< 10	< 10	< 0.5	< 2	2.41	35	4	6.78	< 10	2	0.04	< 10
1095505	16	< 0.2	< 0.5	155	576	< 1	11	< 2	41	1.42	< 2	< 10	< 10	< 0.5	< 2	2.43	27	4	5.84	< 10	2	0.03	< 10
1095506	12	< 0.2	< 0.5	147	684	< 1	16	< 2	54	1.67	< 2	< 10	< 10	< 0.5	< 2	2.55	37	3	7.45	< 10	2	0.04	< 10
1095507	7	< 0.2	< 0.5	46	293	< 1	33	< 2	31	1.24	< 2	< 10	116	< 0.5	< 2	1.32	12	91	1.83	< 10	< 1	0.37	< 10
1095508	8	< 0.2	< 0.5	47	557	< 1	28	< 2	37	1.78	< 2	< 10	176	< 0.5	< 2	1.46	16	53	2.77	< 10	< 1	0.44	< 10
1095509	15	< 0.2	< 0.5	64	735	< 1	29	< 2	42	1.98	< 2	< 10	158	< 0.5	< 2	1.67	17	47	3.23	< 10	< 1	0.51	< 10
1095510	< 5	< 0.2	< 0.5	20	647	4	6	2	36	1.33	< 2	< 10	64	< 0.5	< 2	1.17	5	14	2.51	< 10	< 1	0.10	< 10
1095511	9	< 0.2	< 0.5	61	961	< 1	23	< 2	40	2.86	< 2	< 10	150	< 0.5	< 2	2.20	14	31	3.24	< 10	< 1	0.64	10
1095512	11	< 0.2	< 0.5	39	651	< 1	37	< 2	39	2.87	< 2	< 10	114	< 0.5	< 2	1.98	16	78	2.94	< 10	< 1	0.54	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095513	5	< 0.2	< 0.5	62	656	< 1	50	< 2	51	3.06	< 2	< 10	246	< 0.5	< 2	2.04	19	104	3.27	< 10	< 1	1.03	10
1095514	9	< 0.2	< 0.5	41	454	< 1	76	< 2	50	2.15	< 2	< 10	175	< 0.5	< 2	1.14	23	139	3.26	< 10	< 1	1.12	11
1095515	< 5	< 0.2	< 0.5	48	188	< 1	71	< 2	26	1.00	< 2	< 10	44	< 0.5	< 2	0.80	18	139	2.04	< 10	< 1	0.12	10
1095516	< 5	< 0.2	< 0.5	45	232	< 1	83	< 2	17	1.04	< 2	< 10	42	< 0.5	< 2	0.94	21	200	2.10	< 10	< 1	0.06	13
1095517	6	< 0.2	< 0.5	43	447	2	123	< 2	38	1.82	< 2	< 10	189	< 0.5	< 2	1.82	25	296	3.28	< 10	< 1	0.40	23
1095518	6	< 0.2	< 0.5	48	383	1	81	< 2	34	1.42	< 2	< 10	180	< 0.5	< 2	1.32	18	198	2.42	< 10	< 1	0.40	11
1095519	< 5	< 0.2	< 0.5	3	489	< 1	93	< 2	50	2.84	< 2	< 10	266	< 0.5	< 2	1.87	18	204	2.53	< 10	< 1	0.95	22
1095520	3230	11.9	5.0	78	442	5	28	368	783	1.46	3970	< 10	35	< 0.5	< 2	2.66	13	26	8.13	< 10	< 1	0.24	14
1095521	< 5	< 0.2	< 0.5	3	189	< 1	3	2	12	1.00	< 2	< 10	100	< 0.5	< 2	0.99	2	7	0.70	< 10	< 1	0.38	56
1095522	< 5	< 0.2	< 0.5	3	187	< 1	< 1	2	10	0.76	< 2	< 10	92	< 0.5	< 2	0.94	1	2	0.57	< 10	< 1	0.29	61
1095523	< 5	< 0.2	< 0.5	3	164	1	< 1	6	33	1.08	< 2	< 10	134	< 0.5	< 2	0.58	1	1	0.59	< 10	< 1	0.46	61
1095524	< 5	< 0.2	< 0.5	1	188	< 1	< 1	3	15	0.82	< 2	< 10	88	< 0.5	< 2	0.67	1	2	0.63	< 10	< 1	0.31	54
1095525	< 5	< 0.2	< 0.5	2	187	< 1	< 1	3	15	1.03	< 2	< 10	119	< 0.5	< 2	0.67	1	2	0.65	< 10	< 1	0.41	54

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095360	1.00	0.024	0.053	3.23	6	2	117	0.02	<20	<1	<2	<10	18	23	3	21	4.94
1095361	1.91	0.406	0.034	0.17	<2	15	65	0.20	<20	<1	<2	<10	122	<10	8	3	
1095362	1.65	0.338	0.038	0.22	<2	13	51	0.20	<20	1	<2	<10	113	<10	7	4	
1095363	1.61	0.420	0.044	0.12	<2	10	91	0.20	<20	<1	<2	<10	103	<10	6	5	
1095364	1.85	0.500	0.031	0.23	<2	15	106	0.25	<20	<1	<2	<10	150	<10	8	4	
1095365	1.82	0.490	0.031	0.24	2	15	104	0.24	<20	<1	<2	<10	152	<10	7	3	
1095366	1.85	0.297	0.033	0.14	2	15	57	0.26	<20	3	<2	<10	141	<10	8	3	
1095367	2.40	0.122	0.036	0.92	<2	16	34	0.34	<20	2	<2	<10	178	<10	9	5	
1095368	1.91	0.135	0.071	0.23	<2	7	41	0.22	<20	2	<2	<10	73	<10	6	15	
1095369	1.66	0.158	0.070	0.14	<2	8	72	0.14	<20	1	<2	<10	71	<10	7	6	
1095370	0.46	0.076	0.036	0.04	<2	4	46	0.11	<20	3	<2	<10	26	<10	10	6	
1095371	2.04	0.191	0.059	0.09	<2	11	57	0.22	<20	<1	<2	<10	112	<10	7	7	
1095372	1.95	0.131	0.060	0.12	<2	10	68	0.14	<20	1	<2	<10	84	<10	7	10	
1095373	1.73	0.415	0.065	0.15	<2	8	110	0.22	<20	<1	<2	<10	88	<10	6	14	
1095374	1.45	0.460	0.072	0.49	<2	6	212	0.19	<20	3	<2	<10	74	<10	5	7	
1095375	1.72	0.362	0.065	0.57	<2	8	130	0.20	<20	2	<2	<10	88	<10	6	7	
1095376	2.05	0.190	0.047	0.48	<2	12	23	0.15	<20	1	<2	<10	108	<10	6	18	
1095377	1.80	0.219	0.050	0.62	<2	6	30	0.14	<20	4	<2	<10	64	<10	5	13	
1095378	1.76	0.168	0.053	0.62	<2	6	46	0.13	<20	1	<2	<10	60	<10	5	12	
1095379	2.55	0.227	0.050	0.87	<2	9	56	0.10	<20	<1	<2	<10	70	<10	5	12	
1095380	0.55	0.113	0.037	0.10	3	4	50	0.13	<20	1	<2	<10	35	<10	10	8	
1095381	2.30	0.230	0.037	0.37	<2	12	170	0.10	<20	<1	<2	<10	92	<10	6	6	
1095382	2.29	0.130	0.052	0.23	<2	8	86	0.02	<20	<1	<2	<10	44	<10	5	5	
1095383	1.68	0.196	0.058	0.20	<2	6	41	0.12	<20	2	<2	<10	59	<10	5	11	
1095384	1.99	0.208	0.047	0.21	<2	7	45	0.10	<20	<1	<2	<10	70	<10	4	9	
1095385	1.86	0.187	0.049	<0.01	<2	7	30	0.10	<20	1	<2	<10	58	<10	4	5	
1095386	1.63	0.320	0.040	0.11	<2	8	45	0.12	<20	1	<2	<10	66	<10	5	12	
1095387	1.18	0.203	0.039	0.02	<2	5	39	0.09	<20	3	<2	<10	55	<10	3	4	
1095388	1.09	0.408	0.036	0.13	<2	5	88	0.11	<20	<1	<2	<10	52	<10	3	3	
1095389	1.08	0.252	0.039	0.06	<2	16	13	0.19	<20	3	<2	<10	170	<10	10	4	
1095390	0.47	0.078	0.037	0.04	<2	4	47	0.11	<20	2	<2	<10	26	<10	10	6	
1095391	1.78	0.441	0.037	0.07	3	27	25	0.25	<20	1	<2	<10	310	<10	15	4	
1095392	1.05	0.261	0.037	0.38	<2	19	11	0.20	<20	<1	2	<10	277	<10	11	5	
1095393	0.92	0.264	0.050	0.55	2	21	17	0.22	<20	<1	<2	<10	192	<10	15	7	
1095394	0.55	0.222	0.079	0.37	<2	17	8	0.19	<20	3	<2	<10	47	<10	22	9	
1095395	1.09	0.398	0.072	0.39	<2	25	12	0.26	<20	2	<2	<10	116	<10	25	9	
1095396	0.82	0.139	0.075	3.17	2	17	79	0.21	<20	4	<2	<10	86	<10	19	11	3.06
1095397	1.41	0.225	0.058	0.30	<2	28	43	0.22	<20	<1	<2	<10	170	<10	22	5	
1095398	1.76	0.205	0.057	0.19	3	31	53	0.20	<20	<1	<2	<10	212	<10	19	5	
1095399	1.47	0.188	0.046	0.41	3	26	31	0.21	<20	<1	<2	<10	187	<10	14	4	
1095400	0.87	0.030	0.052	1.05	5	2	138	0.02	<20	<1	<2	<10	22	18	4	15	3.12
1095401	1.63	0.191	0.036	0.25	3	33	36	0.22	<20	<1	<2	<10	200	<10	15	4	
1095402	1.22	0.227	0.033	0.18	<2	25	27	0.25	<20	3	<2	<10	82	<10	12	4	
1095403	1.10	0.260	0.042	0.13	<2	23	15	0.27	<20	4	<2	<10	76	<10	13	5	
1095404	1.56	0.329	0.029	0.20	2	33	16	0.33	<20	4	<2	<10	108	<10	13	4	
1095405	1.58	0.317	0.030	0.19	3	32	16	0.30	<20	<1	<2	<10	107	<10	12	4	
1095406	1.05	0.248	0.039	0.26	<2	26	13	0.28	<20	1	<2	<10	147	<10	13	4	
1095407	1.31	0.328	0.028	0.26	3	32	17	0.30	<20	<1	<2	<10	176	<10	13	4	
1095408	1.04	0.258	0.036	0.21	<2	27	18	0.28	<20	<1	<2	<10	151	<10	14	4	
1095409	1.55	0.306	0.034	0.22	<2	32	17	0.32	<20	<1	<2	<10	146	<10	15	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	10	10	10	1	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095410	0.47	0.079	0.037	0.04	< 2	4	47	0.12	< 20	3	< 2	< 10	26	< 10	10	6	
1095411	1.14	0.273	0.025	0.21	2	28	9	0.33	< 20	1	< 2	< 10	128	< 10	9	4	
1095412	1.01	0.209	0.027	0.24	< 2	21	11	0.27	< 20	< 1	< 2	< 10	90	< 10	7	4	
1095413	1.08	0.210	0.029	0.14	< 2	21	11	0.29	< 20	< 1	< 2	< 10	115	< 10	8	4	
1095414	1.28	0.209	0.024	0.25	2	20	24	0.27	< 20	3	< 2	< 10	119	< 10	8	3	
1095415	1.22	0.263	0.026	0.06	< 2	22	8	0.28	< 20	2	< 2	< 10	295	< 10	8	3	
1095416	1.08	0.211	0.026	0.08	< 2	18	8	0.25	< 20	< 1	< 2	< 10	311	< 10	7	3	
1095417	1.12	0.213	0.029	0.18	2	17	7	0.23	< 20	< 1	< 2	< 10	300	< 10	7	3	
1095418	1.08	0.220	0.028	0.05	< 2	18	8	0.23	< 20	1	< 2	< 10	346	< 10	7	3	
1095419	1.22	0.193	0.022	0.17	< 2	18	15	0.21	< 20	< 1	< 2	< 10	319	< 10	7	3	
1095420	0.94	0.024	0.050	3.10	6	2	118	0.02	< 20	< 1	< 2	< 10	18	24	3	21	4.87
1095421	1.00	0.222	0.028	0.05	< 2	17	23	0.23	< 20	3	< 2	< 10	248	< 10	7	3	
1095422	0.93	0.202	0.061	0.07	3	19	9	0.25	< 20	< 1	< 2	< 10	249	< 10	18	5	
1095423	1.10	0.240	0.028	0.12	2	19	6	0.30	< 20	2	< 2	< 10	296	< 10	10	3	
1095424	1.70	0.206	0.038	0.11	< 2	8	40	0.16	< 20	1	< 2	< 10	80	< 10	4	9	
1095425	0.55	0.150	0.073	0.19	2	13	14	0.14	< 20	2	< 2	< 10	35	< 10	21	6	
1095426	0.56	0.170	0.099	0.70	2	14	17	0.13	< 20	1	< 2	< 10	21	< 10	27	6	
1095427	1.07	0.220	0.039	0.29	< 2	17	14	0.18	< 20	2	< 2	< 10	162	< 10	11	3	
1095428	1.03	0.251	0.031	0.08	< 2	19	12	0.22	< 20	2	< 2	< 10	177	< 10	11	2	
1095429	1.20	0.214	0.032	1.08	2	14	48	0.28	< 20	3	< 2	< 10	139	< 10	10	5	
1095430																	
1095431	1.30	0.237	0.017	0.17	< 2	12	41	0.20	< 20	< 1	< 2	< 10	86	< 10	7	2	
1095432	1.03	0.175	0.011	0.13	< 2	9	71	0.13	< 20	1	< 2	< 10	60	< 10	6	1	
1095433	1.50	0.303	0.030	0.29	< 2	11	73	0.19	< 20	2	< 2	< 10	122	< 10	6	4	
1095434	1.26	0.196	0.033	0.25	< 2	12	30	0.17	< 20	1	< 2	< 10	96	< 10	7	5	
1095435	1.54	0.096	0.027	0.92	< 2	14	15	0.17	< 20	3	< 2	< 10	116	< 10	6	13	
1095436	2.09	0.207	0.036	0.28	< 2	12	46	0.23	< 20	3	< 2	< 10	140	< 10	6	8	
1095437	1.77	0.173	0.057	0.04	< 2	7	48	0.20	< 20	2	< 2	< 10	85	< 10	6	12	
1095438	1.22	0.334	0.055	0.57	< 2	9	201	0.19	< 20	3	< 2	< 10	94	< 10	5	10	
1095439	1.53	0.358	0.052	1.10	< 2	8	179	0.18	< 20	3	< 2	< 10	91	< 10	5	10	
1095440	0.52	0.112	0.035	0.09	3	4	51	0.13	< 20	1	< 2	< 10	35	< 10	10	7	
1095441	2.15	0.288	0.052	0.72	< 2	8	110	0.17	< 20	< 1	< 2	< 10	84	< 10	5	12	
1095442	1.08	0.251	0.036	0.07	< 2	4	84	0.10	< 20	1	< 2	< 10	46	< 10	3	7	
1095443	1.15	0.242	0.035	0.08	< 2	5	48	0.12	< 20	< 1	< 2	< 10	53	< 10	3	11	
1095444	1.00	0.247	0.048	0.24	< 2	5	53	0.11	< 20	< 1	< 2	< 10	47	< 10	4	9	
1095445	0.99	0.228	0.051	0.25	< 2	5	48	0.11	< 20	1	< 2	< 10	46	< 10	4	8	
1095446	0.96	0.252	0.039	0.21	< 2	5	49	0.11	< 20	1	< 2	< 10	53	< 10	3	11	
1095447	1.22	0.219	0.048	0.34	< 2	16	7	0.18	< 20	1	< 2	< 10	134	< 10	12	7	
1095448	1.26	0.149	0.023	0.15	< 2	12	14	0.16	< 20	< 1	< 2	< 10	107	< 10	9	4	
1095449	1.22	0.193	0.037	0.04	< 2	14	7	0.20	< 20	3	< 2	< 10	119	< 10	9	5	
1095450	0.47	0.079	0.037	0.04	< 2	4	48	0.12	< 20	1	< 2	< 10	27	< 10	10	6	
1095451	1.05	0.211	0.046	0.02	< 2	14	12	0.17	< 20	2	< 2	< 10	124	< 10	10	5	
1095452	0.79	0.170	0.043	0.05	< 2	11	46	0.15	< 20	2	< 2	< 10	116	< 10	10	4	
1095453	1.17	0.165	0.047	0.05	< 2	11	38	0.16	< 20	1	< 2	< 10	129	< 10	12	3	
1095454	1.10	0.208	0.024	0.03	< 2	15	10	0.22	< 20	1	< 2	< 10	140	< 10	10	3	
1095455	1.09	0.214	0.047	0.01	< 2	15	12	0.22	< 20	2	< 2	< 10	164	< 10	12	4	
1095456	0.97	0.197	0.056	0.07	< 2	14	12	0.19	< 20	2	< 2	< 10	158	< 10	13	4	
1095457	1.16	0.223	0.044	0.04	< 2	15	9	0.18	< 20	2	< 2	< 10	139	< 10	11	4	
1095458	1.23	0.182	0.037	0.02	< 2	15	10	0.22	< 20	3	< 2	< 10	206	< 10	9	4	
1095459	1.23	0.260	0.054	0.16	< 2	16	90	0.21	< 20	< 1	< 2	< 10	246	< 10	11	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095460	0.85	0.027	0.051	1.02	5	2	136	0.02	< 20	3	< 2	< 10	22	18	4	14	3.09
1095461	0.98	0.219	0.041	0.05	< 2	15	12	0.23	< 20	2	< 2	< 10	240	< 10	11	5	
1095462	1.03	0.207	0.034	0.14	< 2	16	15	0.21	< 20	2	< 2	< 10	306	< 10	10	6	
1095463	1.04	0.246	0.051	0.08	< 2	18	9	0.21	< 20	2	< 2	< 10	281	< 10	14	7	
1095464	1.06	0.210	0.087	0.02	< 2	18	7	0.19	< 20	< 1	< 2	< 10	199	< 10	17	7	
1095465	0.88	0.230	0.063	0.15	< 2	18	5	0.21	< 20	1	< 2	< 10	193	< 10	15	7	
1095466	0.82	0.232	0.082	0.07	< 2	19	14	0.19	< 20	< 1	< 2	< 10	54	< 10	22	7	
1095467	0.66	0.240	0.089	0.01	3	20	22	0.19	< 20	< 1	< 2	< 10	15	< 10	27	9	
1095468	0.73	0.254	0.083	0.05	< 2	21	6	0.20	< 20	1	< 2	< 10	33	< 10	26	10	
1095469	0.81	0.261	0.069	0.08	3	23	6	0.21	< 20	1	< 2	< 10	83	< 10	21	8	
1095470	0.45	0.078	0.036	0.04	< 2	4	48	0.12	< 20	2	< 2	< 10	27	< 10	10	6	
1095471	0.84	0.257	0.073	0.09	3	21	7	0.21	< 20	< 1	< 2	< 10	122	< 10	21	9	
1095472	0.72	0.229	0.085	0.06	< 2	20	8	0.20	< 20	1	< 2	< 10	94	< 10	25	11	
1095473	0.73	0.258	0.086	0.07	3	20	7	0.16	< 20	4	< 2	< 10	78	< 10	26	10	
1095474	0.74	0.206	0.087	0.12	3	18	8	0.23	< 20	2	< 2	< 10	64	< 10	24	11	
1095475	0.77	0.220	0.083	0.07	3	20	8	0.22	< 20	4	< 2	< 10	79	< 10	24	9	
1095476	0.85	0.223	0.065	0.29	2	19	19	0.18	< 20	2	< 2	< 10	112	< 10	20	7	
1095477	0.85	0.223	0.049	0.21	< 2	22	18	0.26	< 20	2	< 2	< 10	75	< 10	15	6	
1095478	1.05	0.263	0.033	0.29	< 2	25	14	0.30	< 20	2	< 2	< 10	103	< 10	11	4	
1095479	0.95	0.245	0.032	0.31	2	24	14	0.27	< 20	2	< 2	< 10	226	< 10	11	4	
1095480	0.97	0.026	0.053	3.24	7	2	127	0.02	< 20	2	< 2	< 10	18	26	3	24	4.93
1095481	0.86	0.183	0.054	0.10	3	21	20	0.26	< 20	4	< 2	< 10	168	< 10	16	5	
1095482	0.93	0.205	0.027	0.16	< 2	21	55	0.29	< 20	2	< 2	< 10	183	< 10	11	3	
1095483	0.92	0.183	0.028	0.40	< 2	20	17	0.30	< 20	4	< 2	< 10	208	< 10	9	4	
1095484	1.12	0.210	0.030	0.18	2	20	9	0.28	< 20	3	< 2	< 10	268	< 10	8	4	
1095485	1.13	0.245	0.031	0.23	3	21	15	0.28	< 20	4	< 2	< 10	302	< 10	9	4	
1095486	1.03	0.217	0.029	0.17	< 2	18	19	0.27	< 20	2	< 2	< 10	292	< 10	8	4	
1095487	1.14	0.246	0.028	0.21	4	19	10	0.22	< 20	4	< 2	< 10	323	< 10	8	4	
1095488	1.19	0.232	0.028	0.16	< 2	18	7	0.27	< 20	4	< 2	< 10	337	< 10	7	4	
1095489	1.52	0.256	0.028	0.41	2	21	32	0.28	< 20	3	< 2	< 10	407	< 10	9	4	
1095490	0.48	0.079	0.038	0.04	< 2	4	48	0.12	< 20	3	< 2	< 10	27	< 10	10	7	
1095491	1.06	0.190	0.029	0.17	< 2	16	10	0.25	< 20	1	< 2	< 10	350	< 10	7	3	
1095492	1.10	0.223	0.044	0.20	3	17	37	0.26	< 20	3	< 2	< 10	315	< 10	8	4	
1095493	1.83	0.195	0.187	0.76	2	15	856	0.17	< 20	< 1	< 2	< 10	365	< 10	16	6	
1095494	1.18	0.241	0.026	0.43	3	18	24	0.27	< 20	< 1	< 2	< 10	410	< 10	8	5	
1095495	1.07	0.229	0.024	0.21	2	18	7	0.27	< 20	3	< 2	< 10	352	< 10	7	3	
1095496	1.24	0.282	0.027	0.18	2	20	9	0.25	< 20	5	< 2	< 10	310	< 10	8	3	
1095497	1.22	0.250	0.026	0.12	< 2	19	9	0.25	< 20	2	< 2	< 10	343	< 10	8	3	
1095498	1.25	0.245	0.021	0.18	2	18	9	0.26	< 20	1	2	< 10	324	< 10	6	3	
1095499	1.31	0.304	0.022	0.12	3	20	23	0.22	< 20	8	< 2	< 10	325	< 10	7	3	
1095500	0.55	0.112	0.037	0.10	3	4	50	0.13	< 20	2	< 2	< 10	35	< 10	10	8	
1095501	1.41	0.278	0.020	0.18	< 2	21	8	0.28	< 20	5	< 2	< 10	380	< 10	6	3	
1095502	1.45	0.246	0.019	0.21	3	20	10	0.30	< 20	3	< 2	< 10	493	< 10	6	3	
1095503	1.48	0.273	0.019	0.12	3	22	11	0.29	< 20	4	< 2	< 10	465	< 10	6	3	
1095504	1.36	0.259	0.020	0.15	2	20	9	0.29	< 20	< 1	< 2	< 10	408	< 10	6	3	
1095505	1.11	0.216	0.024	0.09	2	16	20	0.27	< 20	3	< 2	< 10	333	< 10	7	3	
1095506	1.51	0.283	0.019	0.13	< 2	22	12	0.31	< 20	2	< 2	< 10	451	< 10	6	3	
1095507	1.20	0.160	0.047	0.02	< 2	6	31	0.12	< 20	3	< 2	< 10	66	< 10	3	7	
1095508	1.34	0.212	0.049	0.03	< 2	9	36	0.16	< 20	3	< 2	< 10	85	< 10	5	12	
1095509	1.51	0.248	0.046	0.06	< 2	10	30	0.17	< 20	4	3	< 10	93	< 10	6	12	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095510	0.49	0.079	0.039	0.04	< 2	4	48	0.12	< 20	5	< 2	< 10	27	< 10	11	7	
1095511	1.44	0.314	0.044	0.10	< 2	8	67	0.17	< 20	< 1	< 2	< 10	80	< 10	5	11	
1095512	1.45	0.254	0.034	0.10	< 2	8	94	0.15	< 20	2	< 2	< 10	70	< 10	4	13	
1095513	1.79	0.302	0.044	0.07	< 2	8	68	0.19	< 20	2	< 2	< 10	78	< 10	5	15	
1095514	1.96	0.180	0.055	0.41	< 2	7	25	0.17	< 20	1	< 2	< 10	79	< 10	4	16	
1095515	1.17	0.149	0.047	0.29	< 2	6	26	0.12	< 20	4	< 2	< 10	66	< 10	4	16	
1095516	1.41	0.172	0.047	0.27	< 2	7	35	0.09	< 20	< 1	< 2	< 10	60	< 10	4	10	
1095517	2.71	0.154	0.073	0.36	< 2	9	40	0.07	< 20	< 1	< 2	< 10	67	< 10	5	8	
1095518	1.80	0.168	0.045	0.07	< 2	7	25	0.11	< 20	< 1	< 2	< 10	61	< 10	4	9	
1095519	2.08	0.101	0.035	0.06	< 2	5	94	0.18	< 20	1	< 2	< 10	56	< 10	6	28	
1095520	0.89	0.029	0.054	1.10	6	2	144	0.02	< 20	< 1	< 2	< 10	22	19	4	16	2.86
1095521	0.30	0.075	0.023	0.04	< 2	< 1	16	< 0.01	< 20	< 1	2	< 10	3	< 10	6	14	
1095522	0.22	0.056	0.022	0.02	< 2	< 1	17	< 0.01	< 20	< 1	< 2	< 10	2	< 10	7	14	
1095523	0.21	0.084	0.024	0.02	< 2	< 1	35	0.01	< 20	2	< 2	< 10	2	< 10	8	16	
1095524	0.22	0.061	0.023	0.02	< 2	< 1	15	0.01	< 20	< 1	< 2	< 10	2	< 10	7	12	
1095525	0.23	0.084	0.023	0.02	< 2	< 1	17	0.01	< 20	< 1	< 2	< 10	2	< 10	7	18	



Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	68	1020	< 1	23	92	117	6.92	207	< 10	804	0.7	< 2	0.15	13	75	5.41	20	< 1	1.09	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	66	1010	1	23	91	116	6.69	199	< 10	784	0.7	< 2	0.15	13	74	5.34	20	< 1	1.08	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1040	2	24	94	119	7.25	251	< 10	747	0.8	3	0.13	13	76	5.86	20	2	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	68	1060	1	24	96	121	7.32	217	< 10	834	0.8	2	0.15	13	77	5.63	20	3	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	66	1000	2	22	90	121	7.17	198	< 10	841	0.9	2	0.15	14	71	5.30	10	< 1	1.06	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	68	1030	2	23	92	124	7.27	211	< 10	766	0.9	3	0.13	14	74	5.44	10	2	1.08	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	68	1050	1	24	94	121	6.98	205	< 10	822	0.9	< 2	0.14	12	76	5.59	20	2	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	68	1040	1	25	94	121	7.01	211	< 10	829	0.9	< 2	0.14	11	77	5.58	20	1	1.09	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 98 (Aqua Regia) Meas		32.7		> 10000				217	1000						< 2		92						
OREAS 98 (Aqua Regia) Cert		42.8		14700 0.0				343	1302						92.8		111						
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2290	773	< 1	35	57	251	2.91	6		80	0.6	3	0.41	19	45	5.05	< 10		0.49	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.1	< 0.5	2280	765	< 1	37	59	254	2.86	6		79	0.6	4	0.41	20	44	5.08	< 10		0.50	34
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2210	760	< 1	36	56	249	2.92	6		74	0.7	9	0.40	19	43	5.18	< 10		0.44	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2250	779	< 1	36	61	255	3.02	7		77	0.7	9	0.41	19	45	5.25	< 10		0.46	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2200	775	< 1	33	59	262	3.07	6		83	0.8	10	0.43	19	43	5.03	< 10		0.48	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2180	778	1	33	57	257	3.08	6		84	0.8	8	0.43	19	44	5.07	< 10		0.48	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2230	775	< 1	36	60	255	2.87	5		76	0.7	9	0.38	18	44	5.25	< 10		0.46	35

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2240	782	< 1	37	65	263	2.92	4		78	0.7	9	0.39	19	46	5.28	< 10		0.46	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4390	874	< 1	33	76	318	2.90	6		55	0.5	7	0.41	22	41	5.83	< 10		0.41	32
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4450	876	< 1	33	79	328	2.87	8		62	0.5	17	0.42	22	41	5.87	< 10		0.42	32
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4380	881	< 1	34	81	326	3.01	7		65	0.7	20	0.41	22	40	6.03	< 10		0.40	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4390	872	< 1	31	78	323	3.01	7		68	0.7	22	0.41	21	39	5.98	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4320	861	1	32	79	346	3.07	9		65	0.7	17	0.43	22	39	5.83	< 10		0.41	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4470	874	< 1	31	84	335	2.88	7		62	0.6	22	0.38	21	41	5.99	< 10		0.39	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4450	877	< 1	33	81	332	2.86	7		63	0.6	23	0.38	21	41	5.96	< 10		0.39	32
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		9.9		> 10000				79	387						< 2		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		67.7	288	3650	537	13	23	> 5000	> 10000	1.83	77			< 0.5	< 2	1.67	30	28	3.44	< 10	4	0.38	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.0	290	3640	529	13	28	> 5000	> 10000	1.78	77			< 0.5	< 2	1.64	30	30	3.42	< 10	4	0.38	17

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		63.0	275	3390	511	12	26	> 5000	> 10000	1.72	71			0.5	9	1.58	28	31	3.19	< 10	4	0.35	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.7	281	3470	522	13	24	> 5000	> 10000	1.78	73			0.6	9	1.63	31	27	3.27	< 10	4	0.36	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.1	274	3480	526	14	25	> 5000	> 10000	1.86	72			0.6	< 2	1.70	29	32	3.25	< 10	4	0.37	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.2	285	3670	540	14	25	> 5000	> 10000	1.88	74			0.6	5	1.71	30	31	3.35	< 10	4	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.1	298	3570	545	13	26	> 5000	> 10000	1.73	76			0.6	6	1.57	29	32	3.40	< 10	4	0.36	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.6	301	3540	539	12	24	> 5000	> 10000	1.68	76			0.5	3	1.56	30	28	3.32	< 10	4	0.35	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				333	166	< 1	231	8	27	7.33			138	0.8	< 2	0.07	38	324	13.0	20	2	0.10	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				338	156	< 1	229	7	28	6.86			132	0.8	< 2	0.07	39	327	13.1	20	2	0.10	10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				342	171	1	220	13	27	7.85			137	1.0	< 2	0.07	40	323	13.7	20	< 1	0.10	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				353	175	1	229	11	28	8.00			141	1.1	2	0.07	41	335	14.3	20	< 1	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				353	171	< 1	232	10	26	7.25			139	1.0	4	0.07	35	343	14.3	20	< 1	0.10	< 10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				357	170	< 1	233	17	26	7.24			139	1.0	3	0.07	38	345	14.4	20	< 1	0.10	< 10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	2940																						
OREAS 238 (Fire Assay) Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay Cert																							
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3070																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2950																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	496																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	524																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	520																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	530																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	526																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
1095367 Orig		0.7	< 0.5	191	920	< 1	153	6	90	3.43	< 2	< 10	29	< 0.5	< 2	4.17	49	165	6.73	< 10	1	0.13	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095367 Dup		0.7	< 0.5	195	929	< 1	152	5	89	3.51	< 2	< 10	29	< 0.5	< 2	4.18	50	166	6.98	10	1	0.14	< 10
1095368 Orig	< 5																						
1095368 Dup	< 5																						
1095378 Orig	< 5																						
1095378 Dup	< 5																						
1095381 Orig		< 0.2	< 0.5	90	655	< 1	75	< 2	71	3.30	< 2	< 10	153	< 0.5	< 2	2.53	27	98	4.48	< 10	2	0.22	< 10
1095381 Dup		< 0.2	< 0.5	90	652	< 1	75	< 2	71	3.27	< 2	< 10	151	< 0.5	< 2	2.52	27	97	4.43	< 10	2	0.22	< 10
1095382 Orig	< 5																						
1095382 Dup	< 5																						
1095394 Orig		< 0.2	< 0.5	32	507	< 1	2	< 2	31	1.23	< 2	< 10	< 10	< 0.5	< 2	1.94	22	1	5.06	< 10	2	0.02	< 10
1095394 Dup		< 0.2	< 0.5	32	497	< 1	1	3	31	1.19	< 2	< 10	< 10	< 0.5	< 2	1.91	22	1	4.95	< 10	1	0.02	< 10
1095396 Orig																							
1095403 Orig	< 5																						
1095403 Dup	< 5																						
1095408 Orig		< 0.2	< 0.5	52	746	< 1	2	< 2	34	1.90	< 2	< 10	< 10	< 0.5	< 2	3.63	36	< 1	7.52	< 10	2	0.03	< 10
1095408 Dup		< 0.2	< 0.5	51	761	< 1	1	< 2	34	1.92	< 2	< 10	< 10	< 0.5	< 2	3.60	37	< 1	7.62	< 10	2	0.03	< 10
1095409 Orig	76	< 0.2	< 0.5	51	778	< 1	2	< 2	41	2.70	< 2	< 10	< 10	< 0.5	2	3.62	42	< 1	8.75	10	< 1	0.03	< 10
1095409 Split PREP DUP	96	0.3	< 0.5	55	819	< 1	3	< 2	44	2.83	< 2	< 10	< 10	< 0.5	2	3.66	43	< 1	9.19	10	1	0.04	< 10
1095412 Orig	< 5																						
1095412 Dup	< 5																						
1095416 Orig	< 5																						
1095416 Dup	< 5																						
1095427 Orig	33																						
1095427 Dup	30																						
1095431 Orig		< 0.2	< 0.5	96	640	< 1	31	< 2	24	1.59	< 2	< 10	100	< 0.5	< 2	5.08	21	25	3.12	< 10	< 1	0.33	< 10
1095431 Dup		< 0.2	< 0.5	98	645	< 1	31	< 2	24	1.60	< 2	< 10	102	< 0.5	< 2	5.11	20	25	3.16	< 10	< 1	0.34	< 10
1095437 Orig	< 5	< 0.2	< 0.5	54	729	< 1	66	< 2	49	2.70	< 2	< 10	216	< 0.5	< 2	3.78	18	129	3.30	< 10	< 1	1.02	17
1095437 Dup	< 5	< 0.2	< 0.5	55	740	< 1	67	< 2	50	2.72	< 2	< 10	217	< 0.5	< 2	3.82	18	130	3.31	< 10	2	1.03	17
1095444 Orig		< 0.2	< 0.5	60	297	< 1	38	< 2	36	2.05	< 2	< 10	114	< 0.5	< 2	1.36	16	80	2.23	< 10	< 1	0.26	11
1095444 Dup		< 0.2	< 0.5	60	305	< 1	38	< 2	35	2.11	< 2	< 10	115	< 0.5	< 2	1.39	16	82	2.29	< 10	< 1	0.26	11
1095447 Orig	< 5																						
1095447 Dup	< 5																						
1095451 Orig	< 5																						
1095451 Dup	< 5																						
1095457 Orig		< 0.2	< 0.5	66	564	< 1	15	< 2	33	1.47	< 2	< 10	16	< 0.5	< 2	2.35	20	8	4.26	< 10	2	0.07	< 10
1095457 Dup		< 0.2	< 0.5	64	550	< 1	15	< 2	32	1.42	< 2	< 10	15	< 0.5	< 2	2.31	19	8	4.08	< 10	1	0.06	< 10
1095459 Orig	< 5	0.2	< 0.5	88	835	2	20	< 2	51	1.48	< 2	< 10	428	< 0.5	< 2	3.02	24	5	5.37	< 10	< 1	0.15	19
1095459 Split PREP DUP	5	< 0.2	< 0.5	88	999	3	23	< 2	57	1.63	< 2	< 10	481	< 0.5	< 2	3.47	25	6	5.70	< 10	1	0.18	27
1095470 Orig		< 0.2	< 0.5	18	606	4	6	3	33	1.26	< 2	< 10	56	< 0.5	< 2	1.09	6	13	2.22	< 10	< 1	0.10	< 10
1095470 Dup		< 0.2	< 0.5	19	617	4	6	3	33	1.29	< 2	< 10	57	< 0.5	< 2	1.10	6	14	2.29	< 10	< 1	0.10	< 10
1095471 Orig	< 5																						
1095471 Dup	< 5																						
1095481 Orig	19																						
1095481 Dup	< 5																						
1095485 Orig	< 5																						
1095485 Dup	< 5																						
1095486 Orig		< 0.2	< 0.5	48	634	< 1	4	< 2	38	1.30	< 2	< 10	11	< 0.5	< 2	2.83	32	1	6.14	< 10	2	0.05	< 10
1095486 Dup		< 0.2	< 0.5	50	654	< 1	4	< 2	39	1.34	< 2	< 10	12	< 0.5	< 2	2.91	33	1	6.29	< 10	3	0.05	< 10
1095500 Orig		0.7	0.6	117	691	7	11	88	151	1.36	38	11	87	< 0.5	< 2	1.09	7	23	2.70	< 10	< 1	0.12	< 10
1095500 Dup		0.6	0.7	114	693	7	11	88	151	1.39	41	11	89	< 0.5	< 2	1.11	7	23	2.73	< 10	< 1	0.13	< 10



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
GXR-6 Meas	0.38	0.079	0.032	0.01	4	23	34		< 20	< 1	2	< 10	162	< 10	6	7	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.37	0.078	0.032	0.01	2	22	34		< 20	< 1	< 2	< 10	159	< 10	6	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.38	0.131	0.034	0.01	4	19	28		< 20	< 1	< 2	< 10	166	< 10	5	9	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.39	0.150	0.032	0.01	3	19	31		< 20	< 1	< 2	< 10	164	< 10	5	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.39	0.152	0.031	0.01	4	18	32		< 20	< 1	< 2	< 10	158	< 10	4	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.40	0.138	0.033	0.01	4	19	29		< 20	< 1	< 2	< 10	162	< 10	5	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.38	0.160	0.034	0.01	4	18	32		< 20	3	< 2	< 10	163	< 10	5	5	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.38	0.166	0.034	0.01	4	18	32		< 20	< 1	< 2	< 10	165	< 10	5	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
OREAS 98 (Aqua Regia) Meas					16												
OREAS 98 (Aqua Regia) Cert					14.7												
OREAS 922 (AQUA REGIA) Meas	1.30	0.025	0.061	0.36	3	4	16		< 20		< 2	< 10	35	< 10	20	13	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.31	0.027	0.060	0.36	2	4	16		< 20		< 2	< 10	36	< 10	19	13	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.31	0.028	0.060	0.36	2	4	16		< 20		< 2	< 10	34	< 10	19	17	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.34	0.032	0.062	0.37	2	4	16		< 20		< 2	< 10	35	< 10	20	24	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.37	0.033	0.061	0.37	2	4	16		< 20		< 2	< 10	35	< 10	20	20	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.39	0.032	0.062	0.37	3	4	16		< 20		< 2	< 10	35	< 10	20	18	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922	1.32	0.032	0.064	0.37	3	4	16		< 20		< 2	< 10	35	< 10	20	19	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
(AQUA REGIA) Meas																	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5			0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.35	0.032	0.065	0.37	3	4	16		< 20			< 2	< 10	36	< 10	20	23
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5			0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.38		0.059	0.66	2	4	14		< 20			< 2	< 10	35	< 10	18	22
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.41		0.058	0.65	2	4	15		< 20			< 2	< 10	35	< 10	18	24
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.42		0.058	0.67	3	4	14		< 20			< 2	< 10	34	< 10	18	23
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.41		0.058	0.65	< 2	4	14		< 20			< 2	< 10	35	< 10	18	27
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.059	0.67	3	4	15		< 20			< 2	< 10	34	< 10	18	25
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.41		0.061	0.68	3	4	14		< 20			< 2	< 10	34	< 10	18	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.41		0.061	0.68	2	4	14		< 20			< 2	< 10	34	< 10	18	29
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3			0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				3.54	6												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 621 (Aqua Regia) Meas	0.43	0.184	0.034	4.68	111	2	19		< 20			< 2	< 10	13	< 10	7	66
Oreas 621 (Aqua	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Regia) Cert																	
Oreas 621 (Aqua Regia) Meas	0.43	0.182	0.033	4.73	116	2	18		< 20			< 2	< 10	13	< 10	7	67
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.40	0.171	0.031	4.32	109	2	18		< 20			< 2	< 10	12	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.176	0.032	4.44	110	2	19		< 20			< 2	< 10	12	< 10	7	64
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.44	0.175	0.033	4.54	106	2	19		< 20			< 2	< 10	13	< 10	7	68
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.46	0.173	0.033	4.73	101	2	18		< 20			< 2	< 10	13	< 10	7	60
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.174	0.034	4.64	113	2	18		< 20			< 2	< 10	13	< 10	7	69
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.169	0.033	4.49	111	2	17		< 20			< 2	< 10	12	< 10	7	67
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
OREAS 229b (Fire Assay) Meas																	11.8
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.16	0.038	0.020	0.02		29	15	0.10	< 20			3	< 10	189		6	16
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.16	0.037	0.019	0.02		29	14	0.07	< 20			< 2	< 10	186		6	11
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.18	0.051	0.020	0.02		26	14	0.13	< 20			3	< 10	197		5	17
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.19	0.051	0.021	0.02		27	15	0.13	< 20			< 2	< 10	202		5	17
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.17	0.052	0.021	0.02		25	14	0.09	< 20			< 2	< 10	199		5	12
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.18	0.051	0.021	0.02		26	14	0.09	< 20			< 2	< 10	202		5	12
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
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OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 257b (Fire Assay) Meas																	14.1
OREAS 257b (Fire Assay) Cert																	14.2
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
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Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	10	1	10	1	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Oreas E1336 (Fire Assay) Cert																	
1095367 Orig	2.37	0.121	0.035	0.91	2	16	34	0.34	< 20	2	< 2	< 10	177	< 10	9	4	
1095367 Dup	2.43	0.124	0.036	0.93	< 2	16	35	0.34	< 20	2	< 2	< 10	179	< 10	9	5	
1095368 Orig																	
1095368 Dup																	
1095378 Orig																	
1095378 Dup																	
1095381 Orig	2.31	0.230	0.037	0.37	< 2	12	170	0.10	< 20	< 1	< 2	< 10	92	< 10	6	6	
1095381 Dup	2.29	0.230	0.037	0.37	< 2	12	169	0.10	< 20	< 1	< 2	< 10	92	< 10	6	6	
1095382 Orig																	
1095382 Dup																	
1095394 Orig	0.56	0.226	0.079	0.37	< 2	18	8	0.19	< 20	4	< 2	< 10	47	< 10	22	9	
1095394 Dup	0.55	0.218	0.080	0.37	< 2	17	8	0.20	< 20	3	< 2	< 10	46	< 10	22	9	
1095396 Orig																	3.06
1095403 Orig																	
1095403 Dup																	
1095408 Orig	1.04	0.260	0.035	0.21	2	27	18	0.27	< 20	< 1	< 2	< 10	151	< 10	14	4	
1095408 Dup	1.05	0.256	0.036	0.21	< 2	27	18	0.29	< 20	3	< 2	< 10	151	< 10	14	4	
1095409 Orig	1.55	0.306	0.034	0.22	< 2	32	17	0.32	< 20	< 1	< 2	< 10	146	< 10	15	4	
1095409 Split PREP DUP	1.63	0.336	0.032	0.22	4	35	17	0.34	< 20	< 1	< 2	< 10	157	< 10	15	4	
1095412 Orig																	
1095412 Dup																	
1095416 Orig																	
1095416 Dup																	
1095427 Orig																	
1095427 Dup																	
1095431 Orig	1.30	0.235	0.017	0.17	< 2	12	40	0.20	< 20	2	< 2	< 10	85	< 10	7	2	
1095431 Dup	1.30	0.239	0.018	0.17	< 2	13	41	0.20	< 20	< 1	< 2	< 10	86	< 10	7	2	
1095437 Orig	1.76	0.171	0.057	0.04	< 2	7	48	0.20	< 20	1	< 2	< 10	84	< 10	6	12	
1095437 Dup	1.78	0.175	0.057	0.04	< 2	7	48	0.20	< 20	2	< 2	< 10	85	< 10	6	12	
1095444 Orig	0.99	0.248	0.047	0.24	< 2	5	53	0.11	< 20	< 1	< 2	< 10	47	< 10	4	9	
1095444 Dup	1.01	0.247	0.048	0.24	< 2	5	53	0.12	< 20	< 1	< 2	< 10	47	< 10	4	9	
1095447 Orig																	
1095447 Dup																	
1095451 Orig																	
1095451 Dup																	
1095457 Orig	1.18	0.229	0.044	0.04	< 2	15	9	0.18	< 20	1	< 2	< 10	142	< 10	11	4	
1095457 Dup	1.14	0.216	0.044	0.04	< 2	15	9	0.18	< 20	2	< 2	< 10	137	< 10	11	4	
1095459 Orig	1.23	0.260	0.054	0.16	< 2	16	90	0.21	< 20	< 1	< 2	< 10	246	< 10	11	5	
1095459 Split PREP DUP	1.38	0.291	0.063	0.17	< 2	17	126	0.22	< 20	< 1	< 2	< 10	253	< 10	13	5	
1095470 Orig	0.45	0.077	0.036	0.04	< 2	4	48	0.12	< 20	2	< 2	< 10	26	< 10	10	6	
1095470 Dup	0.46	0.078	0.037	0.04	< 2	4	48	0.12	< 20	3	< 2	< 10	27	< 10	10	6	
1095471 Orig																	
1095471 Dup																	
1095481 Orig																	
1095481 Dup																	
1095485 Orig																	
1095485 Dup																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1095486 Orig	1.02	0.213	0.029	0.17	2	18	19	0.26	< 20	3	< 2	< 10	290	< 10	8	3	
1095486 Dup	1.04	0.221	0.029	0.17	< 2	18	19	0.27	< 20	1	< 2	< 10	294	< 10	8	4	
1095500 Orig	0.55	0.111	0.037	0.10	2	4	49	0.13	< 20	3	< 2	< 10	34	< 10	10	8	
1095500 Dup	0.55	0.114	0.037	0.09	3	4	51	0.13	< 20	2	< 2	< 10	35	< 10	10	8	
1095506 Orig																	
1095506 Dup																	
1095509 Orig	1.51	0.248	0.046	0.06	< 2	10	30	0.17	< 20	4	3	< 10	93	< 10	6	12	
1095509 Split PREP DUP	1.52	0.243	0.046	0.06	< 2	10	30	0.17	< 20	< 1	< 2	< 10	92	< 10	5	14	
1095512 Orig	1.49	0.261	0.035	0.10	< 2	8	96	0.16	< 20	2	< 2	< 10	72	< 10	4	14	
1095512 Dup	1.42	0.248	0.034	0.10	< 2	8	92	0.15	< 20	2	< 2	< 10	69	< 10	4	13	
1095515 Orig																	
1095515 Dup																	
1095519 Orig																	
1095519 Dup																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	



Report No.: A20-13778  
 Report Date: 02-Nov-20  
 Date Submitted: 30-Oct-20  
 Your Reference: Kasagiminnis

Ardiden Ltd.  
 Level 1, 981 Wellington St.,  
 West Perth, 6005, Western Australia  
 Perth 6005  
 Australia

ATTN: Rob Longely

## CERTIFICATE OF ANALYSIS

1 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-11-02 15:16:15

REPORT **A20-13778**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
 1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
 TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
 E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
1096117	907

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 238 (Fire Assay) Meas	2920
OREAS 238 (Fire Assay) Cert	3030
Oreas E1336 (Fire Assay) Meas	500
Oreas E1336 (Fire Assay) Cert	510
1096117 Orig	929
1096117 Dup	885
Method Blank	5



Report No.: A20-13789-1E3
Report Date: 14-Dec-20
Date Submitted: 30-Oct-20
Your Reference: Kasagiminnis

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Rob Longley

CERTIFICATE OF ANALYSIS

465 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2020-11-26 13:40:54

REPORT A20-13789-1E3

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Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample 1095117 was not received. Sample 1095690, 1095840, 1095880, 1095900, 1095940, 1095720, 1095760, 1095820, and 1095960 are insufficient

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095526	< 0.2	< 0.5	1	230	1	< 1	4	17	0.75	< 2	< 10	82	< 0.5	< 2	0.51	1	4	0.77	< 10	< 1	0.30	60	0.21
1095527	< 0.2	< 0.5	13	320	2	23	4	31	1.24	< 2	< 10	107	< 0.5	< 2	0.94	5	59	1.37	< 10	< 1	0.45	50	0.67
1095528	< 0.2	< 0.5	31	460	1	124	< 2	44	2.54	< 2	< 10	147	< 0.5	< 2	1.71	25	264	3.00	< 10	< 1	1.00	16	2.17
1095529	< 0.2	< 0.5	6	305	1	31	3	20	1.29	< 2	< 10	116	< 0.5	3	1.61	8	76	1.50	< 10	< 1	0.47	46	0.65
1095530	< 0.2	< 0.5	19	631	4	6	< 2	36	1.29	2	< 10	63	< 0.5	< 2	1.13	6	13	2.42	< 10	< 1	0.10	< 10	0.47
1095531	< 0.2	< 0.5	7	366	< 1	77	2	37	2.90	< 2	< 10	157	< 0.5	< 2	2.26	15	167	2.36	< 10	< 1	0.97	31	1.45
1095532	< 0.2	< 0.5	55	413	2	137	< 2	47	4.59	< 2	< 10	216	< 0.5	< 2	2.75	24	286	2.98	< 10	< 1	1.13	14	1.91
1095533	0.2	< 0.5	46	471	2	118	< 2	58	4.97	< 2	< 10	130	< 0.5	< 2	2.62	26	227	4.24	< 10	2	1.24	< 10	2.29
1095534	< 0.2	< 0.5	81	698	< 1	78	< 2	73	3.82	< 2	< 10	18	< 0.5	< 2	2.67	39	70	6.97	< 10	3	0.09	< 10	3.07
1095535	< 0.2	< 0.5	75	521	< 1	35	< 2	41	3.31	< 2	< 10	< 10	< 0.5	< 2	2.65	25	54	4.79	< 10	2	0.05	< 10	1.87
1095536	< 0.2	< 0.5	76	530	< 1	36	< 2	46	3.59	3	< 10	< 10	< 0.5	< 2	3.10	25	53	4.69	< 10	2	0.04	< 10	1.84
1095537	< 0.2	< 0.5	89	788	< 1	37	< 2	67	3.50	< 2	< 10	25	< 0.5	< 2	3.98	27	65	5.74	< 10	2	0.09	< 10	2.31
1095538	< 0.2	< 0.5	179	725	< 1	45	< 2	90	3.38	< 2	< 10	44	< 0.5	< 2	3.08	32	78	6.40	< 10	1	0.14	< 10	2.34
1095539	< 0.2	< 0.5	129	604	< 1	36	< 2	47	3.87	< 2	< 10	< 10	< 0.5	< 2	3.23	28	59	4.94	< 10	2	0.04	< 10	1.70
1095540	1.9	3.0	352	354	8	22	116	590	1.51	6730	< 10	11	< 0.5	< 2	1.51	15	27	11.1	< 10	< 1	0.23	< 10	0.87
1095541	< 0.2	< 0.5	23	604	< 1	27	< 2	47	3.84	3	< 10	< 10	< 0.5	< 2	3.19	23	59	4.81	< 10	< 1	0.04	< 10	1.79
1095542	< 0.2	< 0.5	114	712	< 1	26	< 2	50	3.52	< 2	< 10	< 10	< 0.5	< 2	3.61	23	52	4.70	< 10	2	0.03	< 10	1.62
1095543	< 0.2	< 0.5	59	741	< 1	21	< 2	38	2.65	< 2	< 10	< 10	< 0.5	< 2	3.89	22	30	4.65	< 10	< 1	0.03	< 10	1.59
1095544	< 0.2	< 0.5	70	792	1	19	< 2	42	2.52	< 2	< 10	< 10	< 0.5	< 2	4.92	25	15	5.25	< 10	2	0.03	< 10	1.45
1095545	< 0.2	< 0.5	44	766	< 1	15	< 2	33	2.18	< 2	< 10	29	< 0.5	< 2	3.26	23	9	5.76	< 10	2	0.04	< 10	1.35
1095546	< 0.2	< 0.5	53	812	2	12	< 2	39	2.06	< 2	< 10	11	< 0.5	< 2	2.86	22	7	5.49	< 10	2	0.03	< 10	1.27
1095547	< 0.2	< 0.5	38	877	< 1	13	< 2	52	2.41	< 2	< 10	14	< 0.5	< 2	3.05	25	7	6.35	< 10	3	0.03	< 10	1.40
1095548	< 0.2	< 0.5	83	896	< 1	14	< 2	51	2.53	2	< 10	14	< 0.5	< 2	3.03	27	6	6.50	< 10	2	0.04	< 10	1.48
1095549	< 0.2	< 0.5	70	858	< 1	12	< 2	54	2.18	< 2	< 10	18	< 0.5	< 2	2.78	27	6	7.44	< 10	2	0.06	< 10	1.24
1095550	< 0.2	< 0.5	18	615	4	6	< 2	36	1.28	< 2	< 10	62	< 0.5	< 2	1.11	5	13	2.33	< 10	< 1	0.10	< 10	0.46
1095551	< 0.2	< 0.5	61	908	1	2	< 2	40	1.28	< 2	< 10	128	< 0.5	2	2.74	23	4	8.53	< 10	2	0.03	36	0.64
1095552	< 0.2	< 0.5	5	1020	< 1	2	< 2	55	1.92	< 2	< 10	< 10	< 0.5	2	2.96	18	5	8.34	10	3	0.03	< 10	0.85
1095553	< 0.2	< 0.5	25	658	< 1	2	< 2	33	1.55	2	< 10	< 10	< 0.5	< 2	2.28	16	4	6.76	< 10	2	0.03	< 10	0.75
1095554	0.2	< 0.5	60	756	< 1	27	< 2	31	1.84	< 2	< 10	< 10	< 0.5	< 2	2.98	33	6	6.02	< 10	2	0.04	< 10	1.36
1095555	< 0.2	< 0.5	32	716	< 1	16	< 2	36	1.78	< 2	< 10	< 10	< 0.5	< 2	2.97	21	7	4.47	< 10	< 1	0.06	< 10	1.39
1095556	< 0.2	< 0.5	131	665	< 1	12	< 2	48	1.64	< 2	< 10	< 10	< 0.5	< 2	2.48	25	7	4.25	< 10	< 1	0.02	< 10	1.22
1095557	0.2	< 0.5	161	815	< 1	11	< 2	42	1.82	< 2	< 10	27	< 0.5	< 2	3.82	30	4	6.15	< 10	1	0.05	< 10	1.15
1095558	< 0.2	< 0.5	118	814	< 1	10	< 2	51	2.02	< 2	< 10	< 10	< 0.5	< 2	2.94	23	9	4.91	< 10	< 1	0.03	< 10	1.43
1095559	< 0.2	< 0.5	43	565	< 1	140	< 2	55	4.11	< 2	< 10	167	0.7	< 2	3.79	37	45	5.26	< 10	1	0.94	< 10	2.96
1095560	0.6	0.6	143	675	8	10	85	145	1.34	37	10	87	< 0.5	< 2	1.08	7	23	2.61	< 10	< 1	0.13	< 10	0.53
1095561	< 0.2	< 0.5	75	523	1	77	< 2	44	2.80	< 2	< 10	101	< 0.5	< 2	2.82	29	50	4.41	< 10	< 1	0.52	< 10	2.03
1095562	< 0.2	< 0.5	86	625	< 1	75	< 2	54	2.70	< 2	< 10	61	< 0.5	< 2	2.87	31	71	4.99	< 10	1	0.35	< 10	2.22
1095563	< 0.2	< 0.5	99	683	< 1	60	< 2	48	2.40	< 2	< 10	32	< 0.5	< 2	3.07	31	58	4.96	< 10	< 1	0.16	< 10	2.07
1095564	0.3	< 0.5	106	254	2	33	2	32	0.91	< 2	< 10	28	< 0.5	< 2	1.33	23	25	3.13	< 10	< 1	0.13	14	0.79
1095565	0.3	< 0.5	107	258	3	34	< 2	32	0.93	< 2	< 10	28	< 0.5	< 2	1.35	23	26	3.17	< 10	< 1	0.13	14	0.80
1095566	< 0.2	< 0.5	20	231	1	23	< 2	41	0.99	< 2	< 10	25	< 0.5	< 2	1.39	11	27	2.13	< 10	< 1	0.08	21	0.81
1095567	0.7	< 0.5	204	587	2	33	2	31	1.54	< 2	< 10	27	< 0.5	< 2	3.37	30	29	9.35	< 10	2	0.68	16	1.24
1095568	1.4	< 0.5	184	346	8	25	35	25	0.76	2	< 10	13	< 0.5	< 2	2.02	17	22	7.27	< 10	2	0.19	< 10	0.66
1095569	0.4	< 0.5	118	598	10	43	< 2	43	2.10	< 2	< 10	47	< 0.5	< 2	3.85	25	47	7.61	< 10	4	0.25	< 10	1.80
1095570	< 0.2	< 0.5	18	620	4	6	< 2	34	1.26	< 2	< 10	61	< 0.5	< 2	1.12	6	13	2.35	< 10	< 1	0.10	< 10	0.46
1095571	0.4	< 0.5	197	780	8	53	3	41	2.02	2	< 10	33	0.5	< 2	4.05	30	76	8.85	< 10	2	0.19	12	1.69
1095572	< 0.2	< 0.5	67	652	2	61	3	50	2.10	2	< 10	116	0.6	< 2	3.64	24	104	6.60	< 10	3	0.36	15	1.68
1095573	< 0.2	< 0.5	85	592	2	64	< 2	44	1.80	3	< 10	119	< 0.5	< 2	3.95	25	103	4.34	< 10	< 1	0.42	< 10	1.50
1095574	< 0.2	< 0.5	95	640	< 1	81	< 2	52	2.22	< 2	< 10	23	< 0.5	< 2	3.63	27	100	4.21	< 10	< 1	0.07	< 10	1.83
1095575	< 0.2	< 0.5	68	444	< 1	48	< 2	41	1.73	< 2	< 10	13	< 0.5	< 2	2.70	19	74	3.31	< 10	< 1	0.06	< 10	1.48
1095576	0.2	0.5	253	477	4	53	< 2	178	1.73	< 2	< 10	41	< 0.5	< 2	3.33	41	62	6.16	< 10	< 1	0.19	< 10	1.44

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095577	< 0.2	1.4	181	636	1	66	< 2	372	1.47	2	< 10	76	< 0.5	< 2	3.61	36	67	3.89	< 10	< 1	0.25	< 10	1.13
1095578	< 0.2	0.6	276	686	< 1	81	< 2	68	2.12	< 2	< 10	25	< 0.5	< 2	3.14	35	83	4.59	< 10	< 1	0.17	< 10	1.60
1095579	< 0.2	< 0.5	94	706	1	73	< 2	68	3.06	< 2	< 10	157	< 0.5	< 2	3.83	24	122	3.95	< 10	< 1	0.56	10	1.57
1095580	10.8	4.5	77	443	5	29	368	770	1.46	3900	< 10	30	< 0.5	< 2	2.66	13	26	7.98	< 10	< 1	0.24	14	0.88
1095581	< 0.2	< 0.5	87	839	1	82	9	83	4.46	< 2	< 10	173	< 0.5	2	4.23	28	137	4.96	< 10	2	0.93	11	1.91
1095582	< 0.2	< 0.5	75	700	1	81	16	79	2.42	11	< 10	167	< 0.5	< 2	2.88	28	149	4.10	< 10	< 1	0.59	20	1.95
1095583	< 0.2	< 0.5	62	797	< 1	69	< 2	83	2.75	< 2	< 10	133	< 0.5	< 2	4.35	26	118	4.75	< 10	1	0.50	16	2.09
1095584	< 0.2	< 0.5	115	781	< 1	74	< 2	73	3.45	< 2	< 10	116	< 0.5	< 2	3.74	29	109	4.76	< 10	< 1	0.66	< 10	1.54
1095585	< 0.2	< 0.5	125	758	< 1	80	< 2	50	2.47	< 2	< 10	66	< 0.5	< 2	3.90	29	85	3.91	< 10	< 1	0.33	< 10	1.47
1095586	< 0.2	< 0.5	138	716	< 1	83	< 2	56	2.34	< 2	< 10	51	< 0.5	< 2	4.12	28	105	4.09	< 10	< 1	0.19	< 10	1.56
1095587	< 0.2	< 0.5	214	667	< 1	77	< 2	60	2.48	< 2	< 10	76	< 0.5	< 2	3.61	27	103	3.80	< 10	< 1	0.25	< 10	1.46
1095588	< 0.2	< 0.5	122	577	< 1	52	< 2	34	2.74	< 2	< 10	44	< 0.5	< 2	4.24	21	88	4.33	< 10	< 1	0.13	< 10	1.36
1095589	< 0.2	< 0.5	55	624	< 1	55	< 2	46	2.54	< 2	< 10	116	< 0.5	< 2	4.14	19	94	3.61	< 10	< 1	0.24	12	1.45
1095590	< 0.2	< 0.5	19	635	4	7	< 2	35	1.32	2	< 10	63	< 0.5	< 2	1.17	6	14	2.43	< 10	< 1	0.10	< 10	0.48
1095591	< 0.2	< 0.5	72	656	3	67	< 2	49	1.77	< 2	< 10	269	< 0.5	< 2	3.00	26	115	3.12	< 10	< 1	0.70	42	1.66
1095592	< 0.2	< 0.5	65	651	3	42	5	48	1.72	< 2	< 10	399	< 0.5	< 2	2.88	15	163	2.53	< 10	< 1	0.87	51	1.66
1095593	< 0.2	< 0.5	261	694	1	62	< 2	57	1.90	< 2	< 10	354	< 0.5	< 2	2.83	22	184	3.11	< 10	< 1	0.83	30	1.72
1095594	< 0.2	< 0.5	77	827	2	63	< 2	52	2.18	< 2	< 10	283	< 0.5	< 2	3.11	20	160	3.67	< 10	< 1	0.71	20	1.69
1095595	< 0.2	< 0.5	111	628	< 1	60	< 2	42	2.59	< 2	< 10	155	< 0.5	< 2	3.62	23	99	3.89	< 10	< 1	0.42	< 10	1.73
1095596	< 0.2	< 0.5	143	809	< 1	94	< 2	64	2.70	< 2	< 10	338	< 0.5	< 2	4.16	37	130	4.97	< 10	2	0.86	< 10	1.74
1095597	< 0.2	< 0.5	81	736	2	59	< 2	52	1.97	< 2	< 10	220	< 0.5	< 2	3.15	23	101	3.86	< 10	< 1	0.44	16	1.64
1095598	< 0.2	< 0.5	88	756	< 1	62	< 2	55	1.87	3	< 10	144	< 0.5	< 2	3.69	23	106	3.69	< 10	< 1	0.45	21	1.74
1095599	< 0.2	< 0.5	53	610	2	59	3	60	1.70	< 2	< 10	223	< 0.5	< 2	2.14	19	131	3.13	< 10	< 1	0.64	25	1.73
1095600	1.7	1.8	354	362	10	20	125	635	1.58	6630	< 10	13	< 0.5	< 2	1.63	16	27	11.5	< 10	< 1	0.24	< 10	0.96
1095601	< 0.2	< 0.5	44	416	< 1	40	< 2	52	1.56	< 2	< 10	339	< 0.5	< 2	1.15	13	134	2.29	< 10	< 1	0.85	30	1.61
1095602	< 0.2	< 0.5	48	565	< 1	34	< 2	46	1.38	< 2	< 10	386	< 0.5	< 2	1.77	14	105	2.41	< 10	< 1	0.62	29	1.27
1095603	< 0.2	< 0.5	36	581	2	45	< 2	56	1.86	< 2	< 10	81	< 0.5	< 2	2.27	16	96	2.93	< 10	< 1	0.97	29	1.70
1095604	< 0.2	< 0.5	31	593	1	44	8	64	3.72	< 2	< 10	176	< 0.5	< 2	3.87	13	98	2.79	< 10	< 1	0.98	31	1.34
1095605	< 0.2	< 0.5	31	597	1	45	7	66	3.68	< 2	< 10	185	< 0.5	< 2	3.86	14	98	2.83	< 10	< 1	0.98	31	1.35
1095606	< 0.2	< 0.5	39	610	< 1	37	5	49	4.80	< 2	< 10	76	0.5	< 2	3.33	12	93	2.90	< 10	< 1	1.08	33	1.45
1095607	< 0.2	< 0.5	16	667	1	42	3	50	3.94	< 2	< 10	347	< 0.5	< 2	2.75	13	90	3.10	< 10	< 1	0.89	36	1.43
1095608	< 0.2	< 0.5	72	515	1	55	3	47	4.37	< 2	< 10	251	< 0.5	< 2	2.89	17	103	3.17	< 10	< 1	0.79	31	1.28
1095609	0.3	< 0.5	94	724	< 1	69	46	144	4.88	< 2	< 10	28	< 0.5	3	3.69	23	102	4.34	< 10	2	1.27	20	1.86
1095610	< 0.2	< 0.5	19	630	4	6	< 2	35	1.30	< 2	< 10	63	< 0.5	< 2	1.15	6	13	2.39	< 10	< 1	0.10	< 10	0.47
1095611	< 0.2	< 0.5	84	418	< 1	56	3	49	2.60	< 2	< 10	226	< 0.5	< 2	2.09	22	93	3.09	< 10	< 1	0.48	19	1.76
1095612	< 0.2	< 0.5	73	311	< 1	51	< 2	35	1.70	< 2	< 10	153	< 0.5	< 2	1.40	20	90	2.73	< 10	< 1	0.15	15	1.43
1095613	< 0.2	< 0.5	57	509	< 1	56	< 2	63	2.17	< 2	< 10	191	< 0.5	< 2	1.33	20	90	3.27	< 10	< 1	0.81	18	1.85
1095614	< 0.2	< 0.5	41	592	< 1	43	< 2	76	1.90	< 2	< 10	96	< 0.5	< 2	0.60	16	77	3.15	< 10	< 1	1.06	27	1.72
1095615	< 0.2	< 0.5	35	580	1	43	< 2	250	1.89	< 2	< 10	34	< 0.5	< 2	0.72	16	90	3.08	< 10	< 1	0.91	26	1.73
1095616	< 0.2	< 0.5	40	499	1	42	2	160	2.07	< 2	< 10	28	< 0.5	< 2	0.82	16	90	3.36	< 10	< 1	0.75	26	1.90
1095617	< 0.2	1.0	72	651	< 1	46	< 2	456	2.13	< 2	< 10	39	< 0.5	< 2	1.47	19	95	3.27	< 10	< 1	0.54	25	1.99
1095618	< 0.2	< 0.5	105	630	< 1	74	< 2	72	3.21	< 2	< 10	21	< 0.5	< 2	3.07	27	96	4.57	< 10	2	0.06	< 10	2.24
1095619	< 0.2	< 0.5	85	707	< 1	67	< 2	65	2.70	< 2	< 10	109	< 0.5	< 2	2.84	26	98	4.51	< 10	< 1	0.14	12	2.25
1095620	0.7	0.5	112	704	7	11	88	152	1.42	40	10	90	< 0.5	< 2	1.13	7	23	2.77	< 10	< 1	0.13	< 10	0.56
1095621	< 0.2	< 0.5	51	512	< 1	44	< 2	57	1.91	< 2	< 10	403	< 0.5	< 2	1.34	17	120	3.02	< 10	< 1	0.73	24	1.89
1095622	< 0.2	< 0.5	41	593	< 1	32	< 2	51	1.86	< 2	< 10	419	< 0.5	< 2	1.63	16	124	2.96	< 10	< 1	0.69	29	1.77
1095623	< 0.2	< 0.5	73	469	1	46	< 2	58	1.59	< 2	< 10	113	< 0.5	< 2	1.03	18	118	2.74	< 10	< 1	0.59	33	1.68
1095624	< 0.2	< 0.5	149	375	1	69	< 2	47	1.96	< 2	< 10	147	< 0.5	< 2	1.24	26	105	2.99	< 10	< 1	0.27	13	1.82
1095625	< 0.2	< 0.5	185	354	< 1	34	< 2	33	1.64	< 2	< 10	149	< 0.5	< 2	0.94	16	74	2.21	< 10	< 1	0.28	12	1.35
1095626	< 0.2	< 0.5	30	336	< 1	26	< 2	29	2.55	< 2	< 10	94	< 0.5	< 2	1.77	12	58	2.06	< 10	< 1	0.15	< 10	1.26
1095627	< 0.2	< 0.5	125	305	< 1	31	< 2	36	2.04	< 2	< 10	136	< 0.5	< 2	0.92	16	94	2.37	< 10	< 1	0.19	< 10	1.42

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095628	< 0.2	< 0.5	7	246	< 1	25	< 2	25	2.18	< 2	< 10	112	< 0.5	< 2	1.24	9	76	1.82	< 10	< 1	0.19	< 10	1.05
1095629	< 0.2	< 0.5	7	302	< 1	32	< 2	32	2.41	< 2	< 10	67	< 0.5	< 2	0.88	14	65	2.46	< 10	< 1	0.12	< 10	1.87
1095630	< 0.2	< 0.5	19	650	4	6	< 2	36	1.34	3	< 10	65	< 0.5	< 2	1.19	6	14	2.46	< 10	< 1	0.11	10	0.48
1095631	< 0.2	< 0.5	63	322	< 1	33	< 2	29	2.28	< 2	< 10	131	< 0.5	< 2	1.28	17	71	2.49	< 10	< 1	0.27	< 10	1.61
1095632	< 0.2	< 0.5	100	477	< 1	25	< 2	35	2.19	< 2	< 10	135	< 0.5	< 2	1.70	15	47	2.31	< 10	< 1	0.23	81	1.11
1095633	< 0.2	< 0.5	83	326	4	37	< 2	46	1.89	< 2	< 10	219	< 0.5	< 2	1.01	17	80	2.97	< 10	< 1	0.40	11	1.42
1095634	< 0.2	< 0.5	33	356	1	31	< 2	52	1.84	< 2	< 10	225	< 0.5	< 2	0.99	14	73	2.38	< 10	< 1	0.49	11	1.37
1095635	< 0.2	< 0.5	31	256	< 1	29	< 2	41	2.32	< 2	< 10	272	< 0.5	< 2	1.22	14	65	2.23	< 10	< 1	0.49	< 10	1.42
1095636	< 0.2	< 0.5	25	255	1	29	< 2	30	2.41	< 2	< 10	264	< 0.5	< 2	1.36	14	72	2.33	< 10	< 1	0.49	< 10	1.33
1095637	< 0.2	< 0.5	23	358	< 1	34	< 2	39	2.65	< 2	< 10	252	< 0.5	< 2	1.67	17	63	2.99	< 10	< 1	0.46	10	1.45
1095638	< 0.2	< 0.5	40	271	1	43	< 2	63	3.81	< 2	< 10	149	< 0.5	< 2	1.99	20	72	3.42	< 10	< 1	0.42	< 10	1.25
1095639	< 0.2	< 0.5	50	250	1	34	< 2	51	3.79	< 2	< 10	93	< 0.5	< 2	2.36	16	68	2.71	< 10	< 1	0.21	< 10	1.40
1095640	10.4	4.9	76	436	5	27	364	757	1.43	3840	< 10	28	< 0.5	< 2	2.60	13	25	7.87	< 10	< 1	0.24	14	0.86
1095641	< 0.2	< 0.5	149	796	< 1	22	< 2	75	2.57	< 2	< 10	19	< 0.5	< 2	2.99	33	3	7.31	< 10	2	0.08	< 10	1.66
1095642	< 0.2	< 0.5	70	825	< 1	5	< 2	61	2.35	2	< 10	11	< 0.5	4	3.51	30	2	7.52	< 10	1	0.05	< 10	1.44
1095643	< 0.2	< 0.5	39	670	< 1	2	< 2	38	2.12	< 2	< 10	< 10	< 0.5	4	2.54	28	2	7.08	10	2	0.02	< 10	1.31
1095644	< 0.2	< 0.5	49	734	< 1	3	< 2	37	2.16	< 2	< 10	36	< 0.5	< 2	3.09	34	2	6.54	< 10	2	0.04	< 10	1.22
1095645	< 0.2	< 0.5	49	738	< 1	5	< 2	38	2.19	< 2	< 10	35	< 0.5	< 2	3.10	34	2	6.64	< 10	2	0.04	< 10	1.23
1095646	< 0.2	< 0.5	34	731	< 1	4	< 2	52	2.26	< 2	< 10	107	< 0.5	2	2.92	34	2	6.61	< 10	1	0.14	< 10	1.45
1095647	< 0.2	< 0.5	31	756	< 1	4	< 2	54	2.32	< 2	< 10	99	< 0.5	5	3.04	34	1	7.33	< 10	2	0.15	< 10	1.54
1095648	< 0.2	< 0.5	70	857	< 1	12	< 2	69	2.67	< 2	< 10	15	< 0.5	3	3.33	43	< 1	7.78	< 10	3	0.07	< 10	1.74
1095649	< 0.2	< 0.5	50	742	< 1	11	< 2	57	2.25	< 2	< 10	11	< 0.5	3	2.76	38	1	6.57	< 10	1	0.06	< 10	1.48
1095650	< 0.2	< 0.5	19	641	4	6	< 2	35	1.32	3	< 10	64	< 0.5	< 2	1.17	5	14	2.45	< 10	< 1	0.10	10	0.48
1095651	< 0.2	< 0.5	49	757	< 1	9	< 2	63	2.40	< 2	< 10	12	< 0.5	2	2.95	34	1	6.72	< 10	< 1	0.06	< 10	1.62
1095652	< 0.2	< 0.5	30	707	< 1	5	< 2	57	2.22	< 2	< 10	11	< 0.5	< 2	2.74	35	< 1	6.59	< 10	1	0.06	< 10	1.51
1095653	< 0.2	< 0.5	58	778	< 1	6	< 2	51	2.31	< 2	< 10	11	< 0.5	3	2.96	40	< 1	7.15	< 10	4	0.06	< 10	1.62
1095654	< 0.2	< 0.5	47	720	< 1	7	< 2	50	2.31	< 2	< 10	< 10	< 0.5	4	3.43	37	1	6.92	< 10	2	0.05	< 10	1.49
1095655	< 0.2	< 0.5	52	731	< 1	4	< 2	37	2.36	< 2	< 10	12	< 0.5	2	3.54	37	< 1	6.94	< 10	3	0.05	< 10	1.48
1095656	< 0.2	< 0.5	52	683	< 1	4	< 2	36	1.97	< 2	< 10	10	< 0.5	< 2	3.01	38	< 1	7.28	< 10	2	0.05	< 10	1.32
1095657	< 0.2	< 0.5	25	787	< 1	4	< 2	45	1.92	< 2	< 10	11	< 0.5	< 2	3.27	24	< 1	6.51	< 10	1	0.06	< 10	1.17
1095658	< 0.2	< 0.5	100	716	< 1	3	< 2	33	1.57	< 2	< 10	14	< 0.5	2	2.53	35	1	7.08	< 10	< 1	0.05	< 10	0.95
1095659	< 0.2	< 0.5	67	663	< 1	3	< 2	37	1.39	< 2	< 10	12	< 0.5	< 2	2.29	33	1	7.31	< 10	2	0.05	< 10	0.85
1095660	2.4	3.0	352	363	9	23	124	607	1.52	6860	< 10	39	< 0.5	< 2	1.67	15	26	11.7	< 10	< 1	0.24	< 10	0.90
1095661	< 0.2	< 0.5	71	687	< 1	3	< 2	50	1.48	< 2	< 10	18	< 0.5	< 2	2.36	36	< 1	6.80	< 10	< 1	0.05	11	0.98
1095662	< 0.2	< 0.5	69	786	< 1	5	< 2	50	1.71	< 2	< 10	16	< 0.5	2	2.97	39	< 1	7.08	< 10	< 1	0.06	< 10	1.13
1095663	< 0.2	< 0.5	59	634	< 1	2	< 2	47	1.85	< 2	< 10	13	< 0.5	< 2	2.59	38	< 1	6.56	< 10	2	0.05	< 10	1.16
1095664	< 0.2	< 0.5	102	840	< 1	5	< 2	53	2.32	< 2	< 10	20	< 0.5	2	4.37	40	< 1	7.39	< 10	2	0.05	< 10	1.40
1095665	< 0.2	< 0.5	128	664	< 1	8	< 2	53	1.77	< 2	< 10	46	< 0.5	< 2	3.08	52	< 1	8.68	< 10	2	0.08	< 10	1.27
1095666	< 0.2	< 0.5	112	927	< 1	8	< 2	60	2.17	< 2	< 10	64	< 0.5	2	3.90	44	2	9.00	< 10	2	0.10	< 10	1.54
1095667	< 0.2	< 0.5	28	707	< 1	5	< 2	45	1.68	< 2	< 10	14	< 0.5	< 2	2.56	35	2	7.65	< 10	1	0.06	< 10	1.30
1095668	< 0.2	< 0.5	144	872	< 1	21	< 2	68	2.22	2	< 10	66	< 0.5	< 2	4.07	39	5	7.99	< 10	< 1	0.09	11	1.57
1095669	< 0.2	< 0.5	120	726	< 1	16	< 2	58	1.83	< 2	< 10	10	< 0.5	< 2	2.81	34	5	7.34	< 10	1	0.06	< 10	1.34
1095670	< 0.2	< 0.5	18	629	4	6	2	33	1.24	< 2	< 10	62	< 0.5	< 2	1.09	5	13	2.43	< 10	< 1	0.10	< 10	0.44
1095671	< 0.2	< 0.5	118	737	< 1	15	< 2	53	1.80	< 2	< 10	14	< 0.5	< 2	2.71	37	4	6.72	< 10	< 1	0.07	< 10	1.41
1095672	< 0.2	< 0.5	157	811	< 1	16	< 2	52	1.86	< 2	13	44	< 0.5	< 2	3.63	43	4	8.39	< 10	2	0.07	14	1.43
1095673	< 0.2	< 0.5	131	789	< 1	15	< 2	71	2.15	< 2	< 10	12	< 0.5	< 2	2.89	42	3	7.57	< 10	2	0.07	< 10	1.60
1095674	< 0.2	< 0.5	142	847	< 1	16	< 2	61	2.39	< 2	< 10	10	< 0.5	< 2	3.50	42	3	8.02	< 10	< 1	0.06	< 10	1.69
1095675	< 0.2	< 0.5	159	852	< 1	16	< 2	57	2.52	< 2	< 10	< 10	< 0.5	< 2	3.52	41	3	8.44	< 10	< 1	0.06	< 10	1.75
1095676	< 0.2	< 0.5	162	851	< 1	18	< 2	65	2.51	< 2	< 10	< 10	< 0.5	< 2	3.36	44	3	8.24	< 10	2	0.06	< 10	1.89
1095677	0.2	< 0.5	72	916	1	48	< 2	52	2.27	< 2	< 10	177	< 0.5	< 2	2.35	21	78	3.98	< 10	< 1	0.90	11	1.57
1095678	< 0.2	< 0.5	49	606	< 1	52	< 2	38	1.63	< 2	< 10	124	< 0.5	< 2	1.44	19	101	3.05	< 10	< 1	0.56	< 10	1.49

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095679	< 0.2	< 0.5	41	536	< 1	43	< 2	39	2.47	< 2	< 10	148	< 0.5	< 2	2.41	16	67	3.06	< 10	< 1	0.55	11	1.53
1095680	0.6	0.7	118	718	7	12	92	151	1.37	42	< 10	90	< 0.5	< 2	1.09	7	25	2.87	< 10	< 1	0.13	< 10	0.54
1095681	< 0.2	< 0.5	18	644	< 1	38	< 2	48	2.50	< 2	< 10	155	< 0.5	< 2	1.67	17	59	3.84	< 10	< 1	0.72	12	1.56
1095682	0.2	< 0.5	27	892	< 1	40	4	52	2.93	< 2	< 10	132	< 0.5	< 2	2.51	23	60	4.40	< 10	< 1	0.58	< 10	1.56
1095683	< 0.2	< 0.5	70	1000	< 1	33	< 2	48	2.12	< 2	< 10	164	< 0.5	< 2	2.79	18	47	4.15	< 10	< 1	0.61	< 10	1.70
1095684	< 0.2	< 0.5	31	973	< 1	22	< 2	49	2.99	< 2	< 10	178	< 0.5	< 2	2.13	15	28	3.82	< 10	< 1	0.84	12	1.29
1095685	< 0.2	< 0.5	31	972	< 1	22	< 2	49	2.96	< 2	< 10	176	< 0.5	< 2	2.10	14	28	3.78	< 10	< 1	0.84	12	1.28
1095686	< 0.2	< 0.5	75	1050	< 1	33	< 2	45	2.25	< 2	< 10	147	< 0.5	< 2	1.76	18	53	4.00	< 10	< 1	0.68	< 10	1.48
1095687	< 0.2	< 0.5	45	441	< 1	40	< 2	40	1.44	< 2	< 10	177	< 0.5	< 2	0.97	17	65	3.10	< 10	< 1	0.54	11	1.34
1095688	< 0.2	< 0.5	25	504	< 1	49	< 2	42	2.36	< 2	< 10	185	< 0.5	< 2	2.14	18	99	3.08	< 10	< 1	0.55	< 10	1.55
1095689	< 0.2	< 0.5	71	426	6	81	3	57	2.56	< 2	< 10	141	< 0.5	< 2	1.97	18	178	3.12	< 10	< 1	0.90	14	1.63
1095691	< 0.2	< 0.5	59	416	< 1	78	2	58	2.04	< 2	< 10	187	< 0.5	< 2	1.27	18	189	2.94	< 10	< 1	0.69	< 10	1.82
1095692	< 0.2	< 0.5	29	436	< 1	93	< 2	37	1.78	< 2	< 10	98	< 0.5	< 2	1.87	21	201	3.16	< 10	< 1	0.43	< 10	2.20
1095693	0.2	< 0.5	49	440	< 1	100	2	51	1.92	< 2	< 10	74	< 0.5	< 2	1.66	28	196	3.77	< 10	< 1	0.43	< 10	2.07
1095694	< 0.2	< 0.5	110	575	< 1	68	< 2	50	2.45	< 2	< 10	39	< 0.5	< 2	2.65	35	58	5.66	< 10	1	0.16	< 10	2.12
1095695	< 0.2	< 0.5	162	689	< 1	51	< 2	105	2.43	< 2	< 10	16	< 0.5	< 2	3.20	33	54	4.94	< 10	< 1	0.09	< 10	1.53
1095696	< 0.2	< 0.5	92	847	< 1	36	< 2	40	2.05	< 2	< 10	63	< 0.5	< 2	5.08	28	42	5.28	< 10	< 1	0.17	< 10	1.58
1095697	0.2	< 0.5	128	874	1	28	< 2	51	2.03	< 2	< 10	34	< 0.5	< 2	4.35	32	16	6.45	< 10	2	0.21	< 10	1.68
1095698	< 0.2	< 0.5	118	722	< 1	24	< 2	43	1.60	< 2	< 10	10	< 0.5	< 2	2.98	33	11	5.84	< 10	2	0.08	< 10	1.30
1095699	< 0.2	< 0.5	51	744	< 1	21	< 2	38	1.66	< 2	< 10	17	< 0.5	< 2	2.52	29	10	5.89	< 10	2	0.07	< 10	1.35
1095700	11.5	5.1	77	455	5	31	375	757	1.43	4220	< 10	48	< 0.5	< 2	2.62	12	26	8.28	< 10	< 1	0.24	13	0.84
1095701	< 0.2	< 0.5	153	838	< 1	22	< 2	52	1.63	< 2	< 10	< 10	< 0.5	< 2	3.30	33	8	6.37	< 10	2	0.04	< 10	1.19
1095702	< 0.2	< 0.5	116	956	< 1	19	< 2	52	1.99	2	< 10	14	< 0.5	< 2	3.97	31	9	6.82	< 10	2	0.07	< 10	1.38
1095703	< 0.2	< 0.5	116	859	< 1	19	< 2	52	2.21	< 2	< 10	43	< 0.5	< 2	4.05	33	9	7.15	< 10	1	0.11	< 10	1.38
1095704	0.2	< 0.5	78	1070	1	17	< 2	47	2.29	< 2	< 10	< 10	< 0.5	2	3.76	32	8	7.70	< 10	2	0.03	< 10	1.47
1095705	< 0.2	< 0.5	77	1290	< 1	17	< 2	62	1.83	< 2	< 10	< 10	< 0.5	< 2	4.23	34	6	8.22	< 10	2	0.04	< 10	1.52
1095706	< 0.2	< 0.5	42	1160	< 1	13	< 2	56	2.25	< 2	< 10	56	< 0.5	< 2	3.69	27	6	7.73	< 10	2	0.08	< 10	1.38
1095707	< 0.2	< 0.5	18	1470	< 1	10	5	47	1.39	< 2	< 10	< 10	< 0.5	< 2	4.02	28	3	10.3	< 10	2	0.04	< 10	1.39
1095708	0.3	< 0.5	87	978	< 1	20	< 2	51	2.60	< 2	< 10	< 10	< 0.5	< 2	3.92	31	5	7.56	< 10	2	0.06	< 10	1.60
1095709	< 0.2	< 0.5	180	967	< 1	23	< 2	56	2.63	< 2	< 10	29	< 0.5	< 2	3.30	30	7	6.52	< 10	< 1	0.09	< 10	2.00
1095710	< 0.2	< 0.5	19	658	4	6	< 2	35	1.31	< 2	< 10	63	< 0.5	< 2	1.14	5	14	2.53	< 10	< 1	0.10	< 10	0.46
1095711	< 0.2	< 0.5	166	792	< 1	24	< 2	54	2.11	< 2	< 10	14	< 0.5	< 2	2.80	25	10	4.97	< 10	< 1	0.06	< 10	1.84
1095712	< 0.2	< 0.5	96	806	< 1	20	< 2	41	2.47	< 2	< 10	30	< 0.5	< 2	3.38	25	14	5.59	< 10	2	0.11	< 10	1.97
1095713	< 0.2	< 0.5	25	560	< 1	136	< 2	49	5.67	< 2	< 10	< 10	< 0.5	2	4.84	31	27	4.82	< 10	2	0.06	< 10	2.76
1095714	< 0.2	< 0.5	42	530	< 1	136	< 2	51	5.69	< 2	< 10	190	< 0.5	2	4.11	34	41	4.55	< 10	3	0.80	< 10	2.84
1095715	< 0.2	< 0.5	84	523	< 1	145	< 2	40	5.50	< 2	< 10	341	< 0.5	< 2	4.43	34	49	4.67	< 10	2	1.05	< 10	2.83
1095716	< 0.2	< 0.5	134	729	< 1	84	< 2	59	4.00	< 2	< 10	138	< 0.5	< 2	3.39	34	69	6.92	< 10	< 1	0.36	< 10	2.81
1095717	< 0.2	< 0.5	159	535	< 1	43	< 2	52	3.01	< 2	< 10	53	< 0.5	< 2	1.94	25	47	5.63	< 10	1	0.10	13	2.29
1095718	< 0.2	< 0.5	84	403	< 1	7	< 2	64	0.89	< 2	< 10	12	< 0.5	< 2	2.60	9	15	18.2	< 10	< 1	< 0.01	< 10	0.56
1095719	< 0.2	< 0.5	47	570	< 1	74	< 2	27	3.19	< 2	< 10	14	< 0.5	< 2	3.26	23	110	4.74	< 10	2	0.04	< 10	2.02
1095721	< 0.2	< 0.5	97	608	< 1	73	< 2	43	3.85	< 2	< 10	14	< 0.5	< 2	3.56	27	97	4.29	< 10	3	0.05	< 10	1.86
1095722	< 0.2	0.6	87	731	< 1	50	< 2	39	2.88	< 2	< 10	< 10	< 0.5	< 2	3.67	20	80	3.79	< 10	< 1	0.05	< 10	1.51
1095723	< 0.2	< 0.5	112	545	< 1	67	< 2	69	3.84	< 2	< 10	81	< 0.5	< 2	2.85	25	103	5.05	< 10	1	0.20	< 10	2.04
1095724	< 0.2	< 0.5	282	755	< 1	64	< 2	89	3.40	< 2	< 10	119	< 0.5	< 2	2.99	31	77	4.79	< 10	2	0.51	< 10	1.38
1095725	< 0.2	< 0.5	290	759	< 1	68	< 2	91	3.44	< 2	< 10	135	< 0.5	< 2	2.98	32	80	4.95	< 10	1	0.51	< 10	1.45
1095726	< 0.2	< 0.5	147	807	< 1	65	< 2	63	3.42	< 2	< 10	< 10	< 0.5	< 2	3.89	25	76	3.68	< 10	< 1	0.04	< 10	1.21
1095727	< 0.2	0.5	115	938	< 1	56	< 2	84	2.96	< 2	< 10	< 10	< 0.5	< 2	3.35	23	79	4.31	< 10	2	0.04	< 10	1.55
1095728	< 0.2	< 0.5	149	685	< 1	78	< 2	43	2.97	3	< 10	15	< 0.5	< 2	3.92	29	91	5.16	< 10	2	0.09	< 10	2.21
1095729	< 0.2	< 0.5	80	717	3	92	< 2	78	2.41	2	< 10	48	< 0.5	< 2	2.93	41	134	4.90	< 10	< 1	0.50	13	1.83
1095730	< 0.2	< 0.5	19	659	4	7	< 2	35	1.31	3	< 10	64	< 0.5	< 2	1.15	5	14	2.57	< 10	< 1	0.10	< 10	0.47
1095731	< 0.2	< 0.5	54	449	< 1	76	< 2	49	1.88	< 2	< 10	355	< 0.5	< 2	1.71	23	207	2.57	< 10	< 1	0.78	28	1.66

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095732	< 0.2	< 0.5	57	497	< 1	62	4	52	1.64	< 2	< 10	116	< 0.5	< 2	1.39	20	218	2.94	< 10	< 1	0.84	30	1.54
1095733	0.4	< 0.5	44	612	2	54	5	53	1.82	< 2	< 10	261	< 0.5	< 2	2.40	17	225	2.98	< 10	< 1	0.71	30	1.51
1095734	0.2	< 0.5	60	661	1	59	3	52	1.80	< 2	< 10	74	< 0.5	< 2	2.09	19	202	3.27	< 10	< 1	0.71	30	1.40
1095735	0.2	< 0.5	36	756	1	92	3	63	2.17	< 2	< 10	76	< 0.5	< 2	3.12	24	116	3.41	< 10	< 1	0.93	25	1.53
1095736	< 0.2	< 0.5	55	811	2	88	2	71	3.95	< 2	< 10	252	< 0.5	< 2	5.51	22	110	3.21	< 10	< 1	1.16	23	1.60
1095737	0.3	< 0.5	88	826	1	176	4	114	3.90	< 2	< 10	228	< 0.5	< 2	4.68	43	147	4.57	< 10	< 1	0.75	13	2.04
1095738	< 0.2	< 0.5	84	856	< 1	106	< 2	50	3.01	< 2	< 10	32	< 0.5	< 2	3.88	33	113	5.50	< 10	< 1	0.18	< 10	2.47
1095739	0.2	< 0.5	116	963	1	60	4	52	1.86	< 2	< 10	211	< 0.5	< 2	3.59	19	77	3.95	< 10	< 1	0.72	24	1.89
1095740	0.7	0.7	145	725	6	12	92	152	1.40	42	10	90	< 0.5	< 2	1.10	7	24	2.91	< 10	< 1	0.13	< 10	0.54
1095741	< 0.2	< 0.5	42	739	< 1	51	4	58	2.55	< 2	< 10	595	< 0.5	< 2	2.02	15	103	3.65	< 10	< 1	1.22	26	1.88
1095742	0.2	< 0.5	130	672	< 1	96	6	187	4.11	< 2	< 10	28	< 0.5	< 2	2.22	29	144	5.58	< 10	1	0.62	11	3.36
1095743	0.2	< 0.5	97	795	< 1	68	9	322	3.16	< 2	< 10	22	< 0.5	< 2	1.80	23	105	5.21	< 10	2	0.94	17	2.21
1095744	< 0.2	< 0.5	53	896	< 1	55	2	156	2.03	< 2	< 10	77	< 0.5	< 2	2.24	19	88	3.56	< 10	< 1	0.72	20	2.08
1095745	< 0.2	0.5	61	674	< 1	52	3	187	2.63	< 2	< 10	76	< 0.5	< 2	1.69	19	119	3.13	< 10	< 1	0.95	23	1.92
1095746	< 0.2	< 0.5	45	654	< 1	42	< 2	144	2.29	< 2	< 10	94	< 0.5	< 2	1.46	18	130	3.07	< 10	< 1	1.05	24	1.94
1095747	< 0.2	< 0.5	30	672	< 1	37	< 2	72	2.40	< 2	< 10	424	< 0.5	< 2	1.67	15	134	2.82	< 10	< 1	1.10	23	1.89
1095748	< 0.2	< 0.5	45	663	1	43	< 2	113	2.41	< 2	< 10	377	< 0.5	< 2	1.17	19	145	2.83	< 10	< 1	1.27	28	1.84
1095749	< 0.2	< 0.5	30	627	< 1	36	3	133	2.07	< 2	< 10	313	< 0.5	< 2	0.78	16	134	2.57	< 10	< 1	1.09	28	1.83
1095750	< 0.2	< 0.5	20	669	4	6	< 2	36	1.33	< 2	< 10	65	< 0.5	< 2	1.17	5	14	2.61	< 10	< 1	0.10	< 10	0.48
1095751	< 0.2	< 0.5	41	522	1	49	< 2	62	2.14	< 2	< 10	422	< 0.5	< 2	1.50	19	142	2.93	< 10	< 1	0.82	23	1.98
1095752	< 0.2	< 0.5	55	499	< 1	44	< 2	88	2.01	< 2	< 10	255	< 0.5	< 2	1.87	19	137	3.04	< 10	< 1	0.42	18	1.86
1095753	< 0.2	< 0.5	66	752	< 1	65	< 2	47	2.60	< 2	< 10	159	< 0.5	< 2	3.06	22	88	3.90	< 10	< 1	0.28	12	2.10
1095754	< 0.2	< 0.5	75	654	< 1	48	< 2	98	2.41	< 2	< 10	116	< 0.5	< 2	1.97	20	100	3.30	< 10	< 1	0.69	21	1.86
1095755	< 0.2	< 0.5	31	455	< 1	35	< 2	86	2.44	< 2	< 10	623	< 0.5	< 2	0.99	15	132	2.63	< 10	< 1	0.97	27	2.21
1095756	< 0.2	1.2	129	475	< 1	45	7	410	1.95	< 2	< 10	40	< 0.5	< 2	0.97	19	137	2.98	< 10	< 1	0.72	24	1.65
1095757	< 0.2	< 0.5	68	464	< 1	45	< 2	67	2.05	< 2	< 10	115	< 0.5	< 2	0.94	20	129	3.00	< 10	< 1	0.74	24	1.88
1095758	< 0.2	< 0.5	48	342	< 1	33	< 2	56	1.92	< 2	< 10	182	< 0.5	< 2	1.08	15	75	2.19	< 10	< 1	0.30	< 10	1.29
1095759	< 0.2	< 0.5	118	300	< 1	30	< 2	28	1.42	< 2	< 10	133	< 0.5	< 2	0.82	14	104	2.09	< 10	< 1	0.24	< 10	0.98
1095761	< 0.2	< 0.5	168	389	< 1	27	< 2	24	2.92	< 2	< 10	116	< 0.5	< 2	2.06	15	57	2.18	< 10	< 1	0.16	< 10	1.03
1095762	< 0.2	< 0.5	58	288	< 1	36	< 2	39	1.47	< 2	< 10	155	< 0.5	< 2	0.87	15	85	2.10	< 10	< 1	0.25	< 10	1.03
1095763	< 0.2	< 0.5	38	350	< 1	34	< 2	54	1.67	< 2	< 10	203	< 0.5	< 2	0.94	15	88	2.16	< 10	< 1	0.36	< 10	1.14
1095764	< 0.2	< 0.5	32	495	< 1	35	< 2	69	2.11	< 2	< 10	190	< 0.5	< 2	1.36	15	69	2.31	< 10	< 1	0.41	< 10	1.28
1095765	< 0.2	< 0.5	32	474	< 1	40	< 2	46	2.50	< 2	< 10	246	< 0.5	< 2	2.02	16	75	2.75	< 10	< 1	0.56	< 10	1.36
1095766	< 0.2	< 0.5	43	500	< 1	44	< 2	58	2.95	< 2	< 10	304	< 0.5	< 2	1.55	17	99	2.99	< 10	< 1	0.76	< 10	1.51
1095767	< 0.2	< 0.5	37	423	< 1	39	< 2	111	2.30	< 2	< 10	187	< 0.5	< 2	1.37	17	68	3.08	< 10	< 1	0.55	< 10	1.89
1095768	< 0.2	< 0.5	33	401	< 1	40	< 2	56	2.76	< 2	< 10	235	< 0.5	< 2	1.41	17	74	3.35	< 10	< 1	0.65	< 10	2.08
1095769	< 0.2	< 0.5	32	387	< 1	32	< 2	40	2.94	< 2	< 10	222	< 0.5	< 2	1.55	14	71	2.81	< 10	< 1	0.60	< 10	1.59
1095770	< 0.2	< 0.5	19	648	4	6	< 2	35	1.27	2	< 10	62	< 0.5	< 2	1.12	6	14	2.53	< 10	< 1	0.09	< 10	0.46
1095771	< 0.2	< 0.5	28	531	< 1	35	< 2	47	2.80	4	< 10	241	< 0.5	< 2	1.47	16	77	2.89	< 10	< 1	0.66	< 10	1.50
1095772	< 0.2	< 0.5	54	318	< 1	40	< 2	64	2.58	< 2	< 10	62	< 0.5	< 2	1.46	18	65	3.44	< 10	< 1	0.41	< 10	1.35
1095773	< 0.2	< 0.5	25	295	< 1	44	< 2	50	3.35	< 2	< 10	171	< 0.5	< 2	1.46	17	91	3.20	< 10	< 1	0.47	< 10	1.99
1095774	< 0.2	< 0.5	145	430	< 1	50	< 2	58	2.98	< 2	< 10	64	< 0.5	< 2	0.50	22	105	4.31	10	< 1	0.13	< 10	2.78
1095775	< 0.2	< 0.5	68	347	< 1	45	< 2	37	2.35	< 2	< 10	117	< 0.5	< 2	0.55	20	119	3.42	< 10	< 1	0.29	< 10	2.19
1095776	< 0.2	< 0.5	60	485	< 1	51	< 2	42	2.37	< 2	< 10	82	< 0.5	< 2	0.83	21	138	3.71	< 10	< 1	0.21	< 10	2.36
1095777	< 0.2	< 0.5	67	386	< 1	48	< 2	37	2.20	< 2	< 10	36	< 0.5	< 2	0.67	18	191	3.05	< 10	< 1	0.09	< 10	2.09
1095778	< 0.2	< 0.5	17	208	< 1	26	< 2	19	1.54	< 2	< 10	103	< 0.5	< 2	0.68	14	74	2.60	< 10	< 1	0.22	< 10	1.18
1095779	< 0.2	< 0.5	79	601	< 1	77	< 2	30	4.12	< 2	< 10	17	< 0.5	< 2	3.57	26	108	4.51	< 10	1	0.07	< 10	2.05
1095780	2.0	2.9	360	360	9	24	121	595	1.55	6830	< 10	44	< 0.5	< 2	1.64	14	27	11.7	< 10	< 1	0.25	< 10	0.91
1095781	< 0.2	< 0.5	73	167	< 1	48	< 2	21	1.28	< 2	< 10	17	< 0.5	< 2	0.40	17	95	2.38	< 10	< 1	0.05	< 10	1.32
1095782	< 0.2	< 0.5	15	218	< 1	47	< 2	33	1.93	< 2	< 10	60	< 0.5	< 2	0.42	19	99	2.99	< 10	< 1	0.12	< 10	1.89
1095783	< 0.2	< 0.5	11	198	< 1	39	< 2	29	4.12	< 2	< 10	89	< 0.5	< 2	1.92	17	82	2.71	< 10	< 1	0.23	< 10	1.54

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095784	< 0.2	< 0.5	3	263	< 1	30	< 2	28	5.20	2	< 10	78	< 0.5	< 2	2.61	14	77	2.78	10	< 1	0.35	< 10	1.58
1095785	< 0.2	< 0.5	37	450	< 1	42	< 2	37	5.38	< 2	< 10	157	< 0.5	< 2	2.59	18	90	3.68	10	2	1.23	< 10	2.25
1095786	< 0.2	< 0.5	4	600	< 1	40	< 2	34	3.16	< 2	< 10	132	< 0.5	< 2	0.21	21	90	3.99	10	< 1	0.81	< 10	2.87
1095787	< 0.2	< 0.5	25	225	< 1	31	< 2	13	2.23	< 2	< 10	75	< 0.5	< 2	1.04	11	117	2.10	< 10	< 1	0.41	< 10	2.21
1095788	< 0.2	< 0.5	186	616	< 1	49	< 2	50	2.93	< 2	< 10	67	< 0.5	< 2	3.04	33	79	5.67	< 10	1	0.17	< 10	1.98
1095789	< 0.2	< 0.5	162	754	< 1	27	< 2	45	2.78	< 2	< 10	11	< 0.5	< 2	3.27	33	7	6.44	< 10	2	0.05	< 10	1.62
1095790	< 0.2	< 0.5	19	658	4	7	< 2	35	1.31	2	< 10	64	< 0.5	< 2	1.15	6	14	2.58	< 10	< 1	0.10	< 10	0.47
1095791	< 0.2	< 0.5	216	765	< 1	26	< 2	52	2.56	< 2	< 10	11	< 0.5	< 2	2.88	32	6	6.56	< 10	< 1	0.05	< 10	1.69
1095792	< 0.2	< 0.5	175	822	< 1	23	< 2	51	2.45	< 2	< 10	14	< 0.5	< 2	3.48	31	6	6.29	< 10	1	0.06	< 10	1.57
1095793	< 0.2	< 0.5	149	771	< 1	21	< 2	53	1.60	< 2	< 10	15	< 0.5	< 2	2.80	31	5	7.06	< 10	1	0.05	10	1.21
1095794	< 0.2	< 0.5	88	994	< 1	22	3	70	1.42	< 2	< 10	102	< 0.5	2	3.02	32	7	8.59	< 10	3	0.11	23	1.42
1095795	< 0.2	< 0.5	167	812	< 1	26	< 2	61	2.38	< 2	< 10	23	< 0.5	< 2	3.52	35	6	8.28	< 10	1	0.09	< 10	1.75
1095796	< 0.2	< 0.5	183	789	< 1	23	< 2	49	2.38	< 2	< 10	11	< 0.5	< 2	3.85	29	6	6.45	< 10	< 1	0.05	< 10	1.55
1095797	< 0.2	< 0.5	224	709	< 1	22	< 2	58	2.30	< 2	< 10	11	< 0.5	< 2	2.49	32	4	5.97	< 10	2	0.05	< 10	1.61
1095798	< 0.2	< 0.5	150	842	< 1	20	< 2	52	2.55	< 2	< 10	20	< 0.5	< 2	3.50	36	5	7.47	< 10	2	0.06	< 10	1.76
1095799	< 0.2	< 0.5	147	645	< 1	20	< 2	36	1.93	< 2	< 10	18	< 0.5	< 2	2.54	38	5	6.96	< 10	2	0.06	< 10	1.55
1095800	0.7	0.7	118	712	7	12	89	149	1.36	39	< 10	88	< 0.5	< 2	1.07	7	24	2.87	< 10	< 1	0.12	< 10	0.54
1095801	< 0.2	< 0.5	78	594	< 1	12	< 2	25	1.56	< 2	< 10	13	< 0.5	< 2	2.64	27	3	4.51	< 10	< 1	0.05	< 10	1.22
1095802	< 0.2	< 0.5	105	752	< 1	15	< 2	34	2.35	< 2	< 10	21	< 0.5	2	3.57	31	4	6.49	< 10	1	0.07	< 10	1.53
1095803	< 0.2	< 0.5	72	702	< 1	11	< 2	46	2.18	< 2	< 10	16	< 0.5	< 2	2.74	30	4	7.01	< 10	2	0.04	< 10	1.50
1095804	< 0.2	< 0.5	75	731	< 1	13	< 2	43	1.93	< 2	< 10	45	< 0.5	< 2	2.93	29	3	6.70	< 10	2	0.09	< 10	1.50
1095805	< 0.2	< 0.5	108	617	< 1	15	< 2	51	1.47	< 2	< 10	19	< 0.5	< 2	1.98	32	5	7.73	< 10	2	0.05	< 10	1.19
1095806	< 0.2	< 0.5	108	732	< 1	16	< 2	49	1.91	< 2	< 10	15	< 0.5	< 2	2.56	31	6	7.01	< 10	1	0.07	< 10	1.34
1095807	< 0.2	< 0.5	121	552	< 1	16	< 2	42	1.57	< 2	< 10	14	< 0.5	< 2	2.24	30	5	5.44	< 10	< 1	0.05	< 10	1.06
1095808	< 0.2	< 0.5	107	711	< 1	12	< 2	55	1.84	< 2	< 10	< 10	< 0.5	< 2	3.35	37	5	7.80	< 10	2	0.05	< 10	1.46
1095809	< 0.2	< 0.5	105	609	< 1	13	< 2	71	1.78	< 2	< 10	< 10	< 0.5	2	2.59	32	4	6.34	< 10	2	0.04	< 10	1.39
1095810	< 0.2	< 0.5	19	650	4	6	< 2	34	1.29	< 2	< 10	63	< 0.5	< 2	1.12	5	14	2.55	< 10	< 1	0.10	< 10	0.46
1095811	< 0.2	< 0.5	110	644	< 1	14	< 2	60	2.08	< 2	< 10	11	< 0.5	< 2	2.54	35	4	6.98	< 10	1	0.06	< 10	1.53
1095812	< 0.2	< 0.5	73	619	< 1	6	< 2	47	1.53	< 2	< 10	< 10	< 0.5	< 2	3.56	27	4	7.57	< 10	2	0.03	< 10	0.96
1095813	< 0.2	< 0.5	121	756	< 1	16	< 2	59	2.50	< 2	< 10	16	< 0.5	< 2	3.83	38	3	7.30	< 10	2	0.06	< 10	1.62
1095814	< 0.2	< 0.5	140	766	< 1	17	< 2	59	2.56	< 2	< 10	15	< 0.5	< 2	3.11	39	4	7.53	< 10	2	0.07	< 10	1.73
1095815	< 0.2	< 0.5	126	592	< 1	11	< 2	47	1.77	< 2	< 10	13	< 0.5	< 2	2.77	30	4	6.03	< 10	1	0.05	< 10	1.24
1095816	< 0.2	< 0.5	130	724	< 1	16	< 2	47	1.94	< 2	< 10	10	< 0.5	< 2	2.70	36	6	6.72	< 10	1	0.05	< 10	1.49
1095817	< 0.2	< 0.5	83	763	< 1	14	< 2	46	1.95	< 2	< 10	11	< 0.5	< 2	3.90	31	6	5.90	< 10	3	0.04	< 10	1.40
1095818	< 0.2	< 0.5	139	671	< 1	15	< 2	45	1.86	< 2	< 10	11	< 0.5	< 2	2.69	44	4	6.78	< 10	2	0.04	< 10	1.44
1095819	< 0.2	< 0.5	74	529	< 1	58	< 2	49	2.02	< 2	< 10	144	< 0.5	< 2	2.04	19	107	3.09	< 10	< 1	0.44	< 10	1.72
1095821	< 0.2	< 0.5	63	411	< 1	52	< 2	39	1.56	< 2	< 10	114	< 0.5	< 2	1.47	17	102	2.53	< 10	< 1	0.37	< 10	1.57
1095822	< 0.2	< 0.5	65	738	< 1	51	< 2	44	1.96	< 2	< 10	136	< 0.5	< 2	2.05	18	87	3.33	< 10	< 1	0.56	< 10	1.73
1095823	< 0.2	< 0.5	59	902	1	55	< 2	42	2.60	< 2	< 10	186	< 0.5	< 2	2.48	21	89	3.55	< 10	< 1	0.90	< 10	1.62
1095824	< 0.2	< 0.5	61	498	< 1	61	< 2	47	2.24	< 2	< 10	164	< 0.5	< 2	1.98	21	103	3.08	< 10	< 1	0.71	< 10	1.73
1095825	< 0.2	< 0.5	24	369	< 1	21	< 2	35	2.26	< 2	< 10	144	< 0.5	< 2	1.64	10	41	2.05	< 10	< 1	0.57	14	0.92
1095826	< 0.2	< 0.5	39	527	< 1	32	< 2	38	2.24	< 2	< 10	150	< 0.5	< 2	1.76	15	52	2.99	< 10	< 1	0.58	10	1.25
1095827	< 0.2	< 0.5	63	855	< 1	32	< 2	45	1.91	< 2	< 10	141	< 0.5	< 2	2.26	17	50	3.50	< 10	< 1	0.51	< 10	1.51
1095828	< 0.2	< 0.5	55	1100	< 1	29	< 2	51	3.16	< 2	< 10	157	< 0.5	< 2	3.18	16	38	3.97	< 10	< 1	0.67	< 10	1.57
1095829	< 0.2	< 0.5	34	761	1	19	6	50	2.43	< 2	< 10	136	< 0.5	< 2	1.81	14	28	3.09	< 10	< 1	0.73	12	1.03
1095830	< 0.2	< 0.5	19	641	4	6	< 2	34	1.26	< 2	< 10	62	< 0.5	< 2	1.11	5	14	2.50	< 10	< 1	0.10	< 10	0.45
1095831	< 0.2	< 0.5	51	737	< 1	38	< 2	40	2.02	< 2	< 10	164	< 0.5	< 2	1.54	17	66	3.23	< 10	< 1	0.64	< 10	1.32
1095832	< 0.2	< 0.5	36	419	< 1	48	< 2	38	2.33	< 2	< 10	166	< 0.5	< 2	2.07	16	113	2.59	< 10	< 1	0.57	< 10	1.44
1095833	< 0.2	< 0.5	48	557	< 1	52	< 2	40	2.60	< 2	< 10	185	< 0.5	< 2	2.19	17	116	3.04	< 10	< 1	0.74	10	1.56
1095834	< 0.2	< 0.5	32	517	< 1	48	< 2	28	1.48	< 2	< 10	75	< 0.5	< 2	2.11	15	80	2.46	< 10	< 1	0.30	11	1.49
1095835	0.3	< 0.5	39	213	< 1	42	< 2	19	0.96	< 2	< 10	41	< 0.5	< 2	0.97	10	151	1.49	< 10	< 1	0.05	< 10	1.06

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095836	< 0.2	< 0.5	57	287	< 1	44	< 2	23	0.83	< 2	< 10	33	< 0.5	< 2	1.01	11	121	1.84	< 10	< 1	0.07	< 10	0.99
1095837	< 0.2	< 0.5	30	492	< 1	58	< 2	45	1.85	< 2	< 10	245	< 0.5	< 2	1.57	17	107	2.80	< 10	< 1	0.82	14	1.60
1095838	< 0.2	< 0.5	60	417	< 1	86	< 2	44	1.98	< 2	< 10	274	< 0.5	< 2	1.40	20	228	3.00	< 10	< 1	0.85	11	1.80
1095839	< 0.2	< 0.5	72	611	1	80	< 2	46	1.74	< 2	21	66	< 0.5	< 2	2.60	20	153	3.01	< 10	< 1	0.17	31	1.91
1095841	< 0.2	< 0.5	27	486	1	102	< 2	40	2.10	< 2	< 10	99	< 0.5	< 2	2.02	22	228	3.16	< 10	< 1	0.42	< 10	2.23
1095842	< 0.2	< 0.5	81	373	< 1	70	< 2	40	2.68	< 2	< 10	235	< 0.5	< 2	1.86	17	172	2.71	< 10	< 1	0.93	13	1.70
1095843	< 0.2	< 0.5	87	378	2	56	< 2	36	2.42	< 2	< 10	149	< 0.5	< 2	1.92	16	118	2.94	< 10	< 1	0.79	15	1.64
1095844	< 0.2	< 0.5	36	435	< 1	94	< 2	40	2.16	< 2	< 10	129	< 0.5	< 2	2.19	20	211	2.93	< 10	< 1	0.58	< 10	2.01
1095845	< 0.2	< 0.5	38	431	< 1	94	< 2	40	2.16	< 2	< 10	132	< 0.5	< 2	2.19	20	214	2.95	< 10	< 1	0.59	< 10	2.01
1095846	0.2	< 0.5	52	701	< 1	109	< 2	78	2.89	3	< 10	63	< 0.5	< 2	2.51	30	193	5.34	< 10	1	0.28	< 10	3.03
1095847	< 0.2	< 0.5	63	725	< 1	49	5	40	2.30	< 2	< 10	13	< 0.5	< 2	4.07	27	55	5.20	< 10	< 1	0.12	< 10	2.07
1095848	< 0.2	< 0.5	66	894	< 1	32	5	33	2.31	< 2	< 10	21	< 0.5	< 2	4.68	27	41	5.99	< 10	< 1	0.09	< 10	1.78
1095849	0.3	< 0.5	178	819	2	22	< 2	48	1.68	< 2	< 10	66	< 0.5	< 2	3.83	35	9	6.59	< 10	2	0.13	< 10	1.35
1095850	< 0.2	< 0.5	19	648	4	6	< 2	34	1.28	< 2	< 10	62	< 0.5	< 2	1.12	6	14	2.51	< 10	< 1	0.10	< 10	0.46
1095851	< 0.2	< 0.5	117	776	2	18	< 2	50	1.81	< 2	< 10	40	< 0.5	< 2	3.04	29	9	5.81	< 10	2	0.07	< 10	1.24
1095852	< 0.2	< 0.5	59	816	< 1	14	< 2	41	2.13	< 2	< 10	38	< 0.5	< 2	3.00	26	7	6.19	< 10	2	0.12	< 10	1.31
1095853	< 0.2	< 0.5	49	960	< 1	11	< 2	56	2.04	< 2	< 10	23	< 0.5	< 2	2.98	24	5	7.12	< 10	< 1	0.06	< 10	1.15
1095854	< 0.2	< 0.5	61	883	< 1	2	3	40	1.35	2	< 10	< 10	< 0.5	< 2	2.70	21	4	8.88	10	2	0.01	< 10	0.64
1095855	< 0.2	< 0.5	71	1020	< 1	17	< 2	41	2.22	< 2	< 10	< 10	< 0.5	< 2	3.46	30	4	7.65	< 10	2	0.05	< 10	1.54
1095856	< 0.2	< 0.5	25	702	< 1	14	< 2	34	1.79	< 2	< 10	< 10	< 0.5	< 2	2.76	22	6	4.44	< 10	< 1	0.06	< 10	1.31
1095857	< 0.2	< 0.5	85	790	< 1	8	< 2	48	2.16	< 2	< 10	< 10	< 0.5	< 2	3.28	25	3	6.98	< 10	2	0.06	< 10	1.04
1095858	< 0.2	< 0.5	131	552	< 1	37	< 2	38	2.99	< 2	< 10	12	< 0.5	< 2	3.43	21	42	4.20	< 10	< 1	0.06	< 10	1.57
1095859	< 0.2	< 0.5	104	498	< 1	19	< 2	44	1.90	< 2	< 10	23	0.6	< 2	2.18	16	24	12.2	< 10	2	0.05	11	1.52
1095860	0.7	0.7	123	720	7	12	92	149	1.38	42	10	89	< 0.5	< 2	1.10	6	24	2.89	< 10	< 1	0.13	< 10	0.54
1095861	< 0.2	< 0.5	22	388	< 1	44	< 2	13	3.21	< 2	< 10	< 10	< 0.5	< 2	2.90	16	74	4.73	< 10	1	0.03	< 10	1.59
1095862	< 0.2	< 0.5	180	452	< 1	61	< 2	45	4.40	4	< 10	< 10	< 0.5	< 2	3.57	24	79	4.64	< 10	1	0.04	< 10	1.61
1095863	< 0.2	< 0.5	268	699	2	56	5	179	2.71	38	< 10	85	< 0.5	< 2	4.54	37	51	4.38	< 10	< 1	0.46	< 10	0.90
1095864	< 0.2	< 0.5	166	1160	< 1	78	< 2	85	2.74	3	< 10	< 10	< 0.5	< 2	4.10	30	83	4.91	< 10	< 1	0.05	< 10	1.38
1095865	< 0.2	< 0.5	240	1050	< 1	63	2	74	3.41	< 2	< 10	< 10	< 0.5	< 2	3.91	26	81	5.03	< 10	3	0.04	< 10	1.90
1095866	< 0.2	< 0.5	156	602	< 1	69	< 2	43	3.30	< 2	< 10	< 10	< 0.5	< 2	3.25	26	77	4.12	< 10	< 1	0.04	< 10	1.87
1095867	< 0.2	< 0.5	106	964	< 1	96	< 2	88	3.85	2	< 10	25	< 0.5	< 2	5.37	31	114	6.43	< 10	< 1	0.09	< 10	3.11
1095868	0.3	< 0.5	221	628	3	96	< 2	67	3.77	< 2	< 10	44	< 0.5	< 2	4.19	31	110	6.50	< 10	2	0.61	15	1.82
1095869	< 0.2	< 0.5	29	598	< 1	62	< 2	53	5.97	< 2	< 10	148	0.6	< 2	4.79	16	124	2.86	10	< 1	1.33	25	1.49
1095870	< 0.2	< 0.5	19	651	4	7	< 2	34	1.29	< 2	< 10	64	< 0.5	< 2	1.13	6	14	2.55	< 10	< 1	0.10	< 10	0.46
1095871	0.2	< 0.5	24	566	1	62	2	52	5.61	< 2	< 10	372	0.5	2	3.54	17	149	2.88	10	< 1	1.41	28	1.62
1095872	< 0.2	< 0.5	55	571	< 1	59	3	55	6.00	< 2	< 10	393	0.5	< 2	3.59	16	166	2.87	10	< 1	1.52	27	1.78
1095873	< 0.2	< 0.5	66	682	< 1	45	3	45	1.51	< 2	< 10	263	< 0.5	< 2	2.03	13	151	2.53	< 10	< 1	0.54	26	1.38
1095874	0.3	< 0.5	87	746	< 1	77	< 2	48	2.52	< 2	< 10	215	< 0.5	< 2	3.39	27	106	4.14	< 10	< 1	0.44	< 10	1.65
1095875	< 0.2	< 0.5	58	697	< 1	65	< 2	55	1.89	< 2	< 10	149	< 0.5	< 2	2.86	22	87	3.47	< 10	< 1	0.70	26	1.76
1095876	< 0.2	< 0.5	41	560	< 1	41	3	60	2.34	< 2	< 10	381	< 0.5	< 2	2.19	15	79	2.80	< 10	< 1	1.13	26	1.66
1095877	0.2	1.1	123	600	< 1	70	3	616	3.99	< 2	< 10	19	< 0.5	< 2	1.71	30	122	4.85	< 10	3	1.30	15	2.88
1095878	< 0.2	0.6	63	734	< 1	43	3	243	3.16	< 2	< 10	19	< 0.5	< 2	1.54	15	89	3.69	< 10	< 1	1.15	23	1.85
1095879	< 0.2	< 0.5	52	599	< 1	45	< 2	108	2.64	< 2	< 10	46	< 0.5	< 2	1.48	18	125	3.38	< 10	< 1	1.17	21	1.88
1095881	< 0.2	< 0.5	52	487	< 1	38	< 2	176	2.03	< 2	< 10	334	< 0.5	< 2	0.87	15	119	2.58	< 10	< 1	1.12	27	1.83
1095882	< 0.2	< 0.5	63	560	< 1	56	< 2	113	2.22	< 2	< 10	320	< 0.5	< 2	1.61	18	122	2.97	< 10	< 1	0.86	21	1.87
1095883	< 0.2	< 0.5	20	624	< 1	35	< 2	47	2.17	< 2	< 10	307	< 0.5	< 2	1.86	16	98	2.83	< 10	< 1	0.61	25	2.13
1095884	< 0.2	< 0.5	71	1080	< 1	41	2	37	1.76	< 2	< 10	26	< 0.5	< 2	3.94	19	47	3.63	< 10	< 1	0.42	18	1.95
1095885	< 0.2	< 0.5	74	1050	< 1	41	3	37	1.74	< 2	< 10	32	< 0.5	< 2	3.86	18	46	3.57	< 10	< 1	0.41	18	1.92
1095886	< 0.2	< 0.5	41	704	< 1	49	3	48	2.14	< 2	< 10	201	< 0.5	< 2	1.96	17	70	3.53	< 10	< 1	0.57	14	1.85
1095887	< 0.2	< 0.5	91	431	< 1	32	< 2	26	1.33	< 2	< 10	191	< 0.5	< 2	1.17	14	67	2.22	< 10	< 1	0.30	13	1.22
1095888	< 0.2	< 0.5	39	273	< 1	29	< 2	25	1.51	< 2	< 10	87	< 0.5	< 2	0.95	10	107	1.78	< 10	< 1	0.14	< 10	1.00

## Results

## Activation Laboratories Ltd.

## Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095889	< 0.2	< 0.5	296	340	1	27	< 2	27	2.31	< 2	< 10	132	< 0.5	< 2	1.38	15	57	2.38	< 10	< 1	0.20	< 10	0.98
1095890	< 0.2	< 0.5	19	649	4	6	< 2	34	1.31	< 2	< 10	64	< 0.5	< 2	1.12	6	14	2.53	< 10	< 1	0.10	< 10	0.46
1095891	< 0.2	< 0.5	270	234	< 1	32	4	27	1.93	< 2	< 10	134	< 0.5	< 2	0.70	16	90	2.09	< 10	< 1	0.22	< 10	1.22
1095892	< 0.2	< 0.5	78	333	< 1	44	< 2	41	2.21	< 2	< 10	123	< 0.5	< 2	0.70	17	113	2.83	< 10	< 1	0.25	< 10	1.69
1095893	< 0.2	< 0.5	57	444	< 1	39	< 2	81	2.69	< 2	< 10	225	< 0.5	< 2	1.58	16	71	2.53	< 10	< 1	0.48	< 10	1.33
1095894	< 0.2	< 0.5	31	316	< 1	37	< 2	59	2.39	< 2	< 10	259	< 0.5	< 2	1.16	14	85	2.65	< 10	< 1	0.61	< 10	1.57
1095895	< 0.2	< 0.5	37	196	< 1	34	< 2	41	2.73	< 2	< 10	284	< 0.5	< 2	0.96	16	74	2.58	< 10	< 1	0.80	< 10	1.52
1095896	< 0.2	< 0.5	60	269	< 1	48	2	134	3.31	< 2	< 10	25	< 0.5	< 2	1.64	21	71	3.88	< 10	1	0.74	< 10	1.53
1095897	< 0.2	< 0.5	73	298	< 1	53	< 2	75	4.08	< 2	< 10	153	< 0.5	< 2	2.25	22	88	3.25	< 10	< 1	0.71	< 10	1.67
1095898	0.2	< 0.5	144	202	< 1	48	< 2	110	3.88	< 2	< 10	45	< 0.5	< 2	1.95	18	84	3.31	< 10	< 1	0.63	< 10	1.48
1095899	< 0.2	0.5	100	405	< 1	43	< 2	140	2.65	< 2	< 10	103	< 0.5	< 2	0.59	18	104	3.57	< 10	< 1	0.28	< 10	2.32
1095901	< 0.2	< 0.5	12	603	< 1	43	< 2	42	2.81	< 2	< 10	145	< 0.5	< 2	0.31	21	102	4.39	10	2	0.44	< 10	2.63
1095902	< 0.2	< 0.5	142	505	1	47	< 2	41	3.25	< 2	< 10	246	< 0.5	< 2	0.31	28	111	4.72	10	3	0.57	11	3.35
1095903	< 0.2	< 0.5	80	205	< 1	44	< 2	30	1.86	< 2	< 10	127	< 0.5	< 2	0.32	18	108	3.14	< 10	< 1	0.62	< 10	1.86
1095904	< 0.2	< 0.5	112	230	< 1	47	< 2	26	1.39	< 2	< 10	53	< 0.5	< 2	0.50	20	125	2.69	< 10	< 1	0.16	< 10	1.43
1095905	< 0.2	< 0.5	18	297	< 1	41	< 2	28	2.42	< 2	< 10	107	< 0.5	< 2	0.59	17	158	3.09	< 10	< 1	0.25	< 10	2.13
1095906	< 0.2	< 0.5	36	419	< 1	58	< 2	26	2.83	< 2	< 10	74	< 0.5	< 2	1.83	22	88	3.71	< 10	< 1	0.24	< 10	2.04
1095907	< 0.2	< 0.5	5	180	< 1	29	< 2	22	1.93	< 2	< 10	102	< 0.5	< 2	0.92	14	85	2.11	< 10	< 1	0.31	< 10	1.35
1095908	< 0.2	< 0.5	5	132	< 1	29	< 2	13	2.51	< 2	< 10	96	< 0.5	< 2	1.39	10	94	1.60	< 10	< 1	0.34	< 10	0.97
1095909	< 0.2	< 0.5	4	264	< 1	39	< 2	19	2.96	< 2	< 10	127	< 0.5	< 2	1.61	13	110	2.46	< 10	< 1	0.80	< 10	1.64
1095910	< 0.2	< 0.5	19	639	3	6	< 2	35	1.19	< 2	< 10	63	< 0.5	< 2	1.01	4	14	2.49	< 10	< 1	0.09	< 10	0.46
1095911	< 0.2	< 0.5	19	306	< 1	46	< 2	26	2.30	< 2	< 10	114	< 0.5	< 2	1.16	15	89	2.96	< 10	< 1	0.64	< 10	2.05
1095912	< 0.2	< 0.5	8	131	< 1	27	< 2	18	1.72	< 2	< 10	229	< 0.5	< 2	0.37	9	68	2.26	< 10	< 1	0.94	< 10	1.77
1095913	< 0.2	< 0.5	12	127	< 1	18	< 2	15	1.50	< 2	< 10	141	< 0.5	< 2	0.59	8	45	1.96	< 10	< 1	0.66	< 10	1.62
1095914	< 0.2	< 0.5	68	225	< 1	10	< 2	9	1.05	< 2	< 10	< 10	< 0.5	< 2	2.66	5	26	1.11	< 10	< 1	0.02	< 10	0.79
1095915	< 0.2	< 0.5	121	437	< 1	81	< 2	23	2.97	< 2	< 10	< 10	< 0.5	< 2	2.75	22	130	3.12	< 10	< 1	0.03	< 10	1.75
1095916	< 0.2	< 0.5	62	412	< 1	45	< 2	21	3.00	< 2	< 10	< 10	< 0.5	< 2	3.19	17	115	2.64	< 10	< 1	0.02	< 10	1.24
1095917	< 0.2	< 0.5	88	559	< 1	48	< 2	36	2.77	< 2	< 10	< 10	< 0.5	3	3.02	22	78	3.58	< 10	< 1	0.04	< 10	1.53
1095918	< 0.2	< 0.5	115	534	< 1	37	< 2	35	2.71	< 2	< 10	< 10	< 0.5	< 2	3.38	20	55	3.48	< 10	< 1	0.03	< 10	1.41
1095919	< 0.2	< 0.5	58	510	< 1	25	< 2	37	1.59	< 2	< 10	< 10	< 0.5	< 2	2.49	20	21	3.28	< 10	< 1	0.03	< 10	1.32
1095920	0.6	0.8	120	698	7	11	91	148	1.28	39	11	87	< 0.5	< 2	0.98	6	24	2.77	< 10	< 1	0.12	< 10	0.52
1095921	< 0.2	< 0.5	58	714	< 1	24	< 2	52	1.87	< 2	< 10	< 10	< 0.5	< 2	2.47	21	18	4.97	< 10	2	0.05	< 10	1.58
1095922	< 0.2	0.5	54	566	< 1	19	< 2	57	1.63	< 2	< 10	< 10	< 0.5	< 2	2.01	22	13	4.34	< 10	< 1	0.05	< 10	1.44
1095923	< 0.2	< 0.5	113	857	< 1	19	< 2	53	1.35	< 2	< 10	101	< 0.5	< 2	3.50	23	8	4.81	< 10	2	0.11	13	1.26
1095924	< 0.2	< 0.5	144	519	< 1	20	< 2	59	1.24	< 2	< 10	10	< 0.5	< 2	1.92	26	7	4.63	< 10	< 1	0.04	< 10	1.24
1095925	< 0.2	< 0.5	145	558	< 1	20	< 2	57	1.25	< 2	< 10	10	< 0.5	< 2	2.07	26	8	4.71	< 10	< 1	0.04	< 10	1.27
1095926	< 0.2	< 0.5	87	696	< 1	20	< 2	44	1.56	< 2	< 10	< 10	< 0.5	2	2.21	22	6	5.37	< 10	2	0.04	< 10	1.34
1095927	< 0.2	< 0.5	139	746	< 1	20	< 2	64	2.18	< 2	< 10	10	< 0.5	< 2	2.59	31	3	7.18	< 10	2	0.03	< 10	1.55
1095928	< 0.2	< 0.5	158	779	< 1	27	< 2	56	2.73	< 2	< 10	34	< 0.5	2	2.94	38	6	7.28	< 10	2	0.07	< 10	1.79
1095929	< 0.2	< 0.5	159	745	< 1	26	< 2	59	2.54	< 2	< 10	96	< 0.5	< 2	2.73	35	7	6.53	< 10	2	0.17	< 10	1.69
1095930	< 0.2	< 0.5	19	654	4	7	< 2	35	1.24	< 2	< 10	63	< 0.5	< 2	1.06	4	14	2.52	< 10	< 1	0.10	< 10	0.46
1095931	< 0.2	< 0.5	121	739	< 1	18	< 2	60	2.20	< 2	< 10	72	< 0.5	< 2	2.57	33	6	6.47	< 10	< 1	0.14	< 10	1.55
1095932	< 0.2	< 0.5	98	866	< 1	18	< 2	49	2.38	< 2	< 10	76	< 0.5	3	3.30	36	4	7.71	< 10	2	0.17	< 10	1.57
1095933	< 0.2	< 0.5	49	839	< 1	13	< 2	55	2.63	< 2	< 10	74	< 0.5	3	2.88	35	2	8.52	10	< 1	0.16	< 10	1.75
1095934	< 0.2	< 0.5	130	855	< 1	13	< 2	58	2.62	< 2	< 10	111	< 0.5	< 2	4.40	48	2	8.08	< 10	1	0.21	< 10	1.70
1095935	< 0.2	< 0.5	64	791	< 1	15	< 2	75	2.94	< 2	< 10	227	< 0.5	2	2.62	47	2	9.28	10	2	0.34	< 10	2.04
1095936	< 0.2	< 0.5	71	651	< 1	9	< 2	38	1.55	< 2	< 10	37	< 0.5	< 2	2.83	28	2	6.29	< 10	2	0.08	< 10	1.12
1095937	< 0.2	< 0.5	113	655	< 1	13	< 2	49	1.93	< 2	< 10	14	< 0.5	< 2	2.15	36	2	7.31	< 10	2	0.07	< 10	1.48
1095938	< 0.2	< 0.5	121	707	< 1	13	< 2	52	1.91	< 2	< 10	< 10	< 0.5	< 2	2.70	34	3	6.57	< 10	2	0.04	< 10	1.34
1095939	< 0.2	< 0.5	39	554	< 1	5	< 2	48	1.17	< 2	< 10	< 10	< 0.5	< 2	1.69	22	2	8.60	< 10	2	0.03	< 10	0.89
1095941	< 0.2	< 0.5	154	762	< 1	15	< 2	61	2.22	< 2	< 10	12	< 0.5	< 2	3.02	44	2	8.17	< 10	< 1	0.05	< 10	1.74



## Results

## Activation Laboratories Ltd.

Report: A20-13789

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095942	< 0.2	< 0.5	52	526	< 1	62	< 2	44	1.94	< 2	< 10	137	< 0.5	< 2	2.45	20	108	2.90	< 10	< 1	0.44	< 10	1.87
1095943	< 0.2	< 0.5	47	374	< 1	46	< 2	32	1.28	< 2	< 10	105	< 0.5	< 2	1.30	14	103	2.14	< 10	< 1	0.34	< 10	1.38
1095944	< 0.2	< 0.5	51	735	< 1	55	< 2	49	1.88	< 2	< 10	182	< 0.5	< 2	1.89	19	99	3.22	< 10	< 1	0.72	< 10	1.85
1095945	< 0.2	< 0.5	71	755	< 1	66	< 2	50	2.50	< 2	< 10	184	< 0.5	< 2	2.55	21	109	3.22	< 10	< 1	0.88	< 10	1.68
1095946	< 0.2	< 0.5	38	466	< 1	55	< 2	41	2.38	< 2	< 10	145	< 0.5	< 2	1.81	18	93	2.72	< 10	< 1	0.64	< 10	1.57
1095947	< 0.2	< 0.5	22	481	< 1	27	< 2	46	2.58	< 2	< 10	178	< 0.5	< 2	1.69	12	41	2.61	< 10	< 1	0.72	12	1.18
1095948	< 0.2	< 0.5	50	680	< 1	31	< 2	37	1.59	< 2	< 10	97	< 0.5	< 2	1.74	15	52	3.09	< 10	< 1	0.32	< 10	1.38
1095949	< 0.2	< 0.5	46	823	2	21	< 2	45	1.91	4	< 10	121	< 0.5	< 2	2.02	14	30	3.00	< 10	1	0.55	< 10	1.28
1095950	0.6	0.7	175	699	7	11	89	149	1.27	40	12	88	< 0.5	< 2	0.98	7	23	2.77	< 10	< 1	0.12	< 10	0.53
1095951	< 0.2	< 0.5	71	1070	< 1	45	< 2	59	4.20	< 2	< 10	194	< 0.5	3	2.40	20	57	5.09	< 10	< 1	1.36	< 10	1.66
1095952	0.2	< 0.5	106	434	< 1	44	< 2	41	1.76	< 2	< 10	210	< 0.5	< 2	1.15	17	83	2.99	< 10	< 1	0.69	< 10	1.35
1095953	< 0.2	< 0.5	31	389	< 1	46	< 2	39	1.92	< 2	< 10	205	< 0.5	< 2	1.31	16	113	2.66	< 10	< 1	0.66	< 10	1.38
1095954	< 0.2	< 0.5	25	412	1	23	3	51	1.97	< 2	< 10	90	< 0.5	< 2	1.34	12	38	2.67	< 10	< 1	0.95	20	1.18
1095955	< 0.2	< 0.5	27	527	< 1	65	< 2	46	3.07	< 2	< 10	95	< 0.5	< 2	2.73	19	123	3.53	< 10	< 1	0.96	13	1.99
1095956	< 0.2	< 0.5	76	539	< 1	57	< 2	55	3.15	< 2	< 10	11	< 0.5	< 2	2.87	29	61	5.04	< 10	< 1	0.08	< 10	2.02
1095957	< 0.2	< 0.5	93	645	< 1	43	< 2	36	3.57	< 2	< 10	< 10	< 0.5	< 2	3.32	27	65	5.22	< 10	1	0.04	< 10	1.63
1095958	< 0.2	< 0.5	34	461	< 1	28	< 2	24	2.78	< 2	< 10	< 10	< 0.5	< 2	2.69	19	53	3.84	< 10	< 1	0.04	< 10	1.47
1095959	< 0.2	< 0.5	60	1060	< 1	32	< 2	42	2.01	< 2	< 10	< 10	< 0.5	< 2	3.68	28	27	7.08	< 10	1	0.03	< 10	1.93
1095961	< 0.2	< 0.5	98	1150	< 1	18	< 2	64	1.97	< 2	< 10	< 10	< 0.5	< 2	3.24	27	7	7.54	< 10	2	0.03	< 10	1.67
1095962	< 0.2	< 0.5	44	881	< 1	15	< 2	43	1.98	< 2	< 10	61	< 0.5	< 2	2.67	26	7	6.66	< 10	< 1	0.06	< 10	1.39
1095963	< 0.2	< 0.5	79	1000	< 1	11	< 2	68	2.32	< 2	< 10	12	< 0.5	4	2.83	27	5	8.01	< 10	< 1	0.05	< 10	1.33
1095964	< 0.2	< 0.5	29	999	< 1	6	< 2	48	1.65	< 2	< 10	< 10	< 0.5	< 2	2.72	17	6	8.20	< 10	1	0.04	< 10	0.94
1095965	< 0.2	< 0.5	28	991	< 1	6	< 2	48	1.60	< 2	< 10	< 10	< 0.5	2	2.68	18	6	8.04	< 10	1	0.04	< 10	0.92
1095966	< 0.2	< 0.5	33	705	< 1	16	< 2	30	1.78	< 2	< 10	< 10	< 0.5	< 2	2.38	23	5	4.77	< 10	2	0.07	< 10	1.47
1095967	< 0.2	< 0.5	51	748	< 1	11	< 2	39	1.62	< 2	< 10	< 10	< 0.5	< 2	2.44	22	4	6.10	< 10	2	0.05	< 10	1.03
1095968	< 0.2	< 0.5	124	802	< 1	15	< 2	50	2.10	< 2	< 10	20	< 0.5	< 2	2.30	27	7	5.69	< 10	2	0.10	< 10	1.48
1095969	< 0.2	< 0.5	13	265	< 1	7	< 2	8	0.19	5	< 10	< 10	< 0.5	4	2.24	< 1	8	16.2	< 10	< 1	< 0.01	< 10	0.20
1095970	< 0.2	< 0.5	24	646	4	6	< 2	35	1.21	< 2	< 10	62	< 0.5	< 2	1.05	4	14	2.48	< 10	< 1	0.09	< 10	0.45
1095971	< 0.2	< 0.5	175	553	< 1	81	< 2	54	2.64	< 2	< 10	< 10	< 0.5	< 2	2.68	31	78	4.77	< 10	1	0.06	< 10	1.97
1095972	< 0.2	< 0.5	162	802	92	99	< 2	105	3.57	< 2	< 10	82	< 0.5	< 2	3.94	30	129	6.40	< 10	< 1	0.58	< 10	2.51
1095973	< 0.2	< 0.5	51	512	< 1	63	< 2	52	5.31	< 2	< 10	165	0.5	2	3.68	17	143	2.77	10	2	1.32	21	1.60
1095974	< 0.2	< 0.5	98	456	< 1	59	< 2	58	3.67	< 2	< 10	224	< 0.5	< 2	1.33	19	150	2.75	10	< 1	1.16	24	1.34
1095975	0.2	< 0.5	97	581	1	79	2	63	2.17	< 2	< 10	21	< 0.5	< 2	1.90	27	108	3.99	< 10	< 1	0.80	17	1.82
1095976	< 0.2	< 0.5	45	499	< 1	52	2	63	1.99	< 2	< 10	237	< 0.5	< 2	1.72	19	86	3.05	< 10	< 1	0.79	20	1.54
1095977	< 0.2	0.6	78	436	< 1	62	4	258	3.00	< 2	< 10	25	< 0.5	< 2	1.71	19	97	3.48	< 10	< 1	0.82	17	2.12
1095978	< 0.2	0.9	106	493	< 1	63	< 2	354	2.90	< 2	< 10	17	< 0.5	< 2	1.42	23	114	4.31	< 10	1	0.88	16	2.36
1095979	< 0.2	< 0.5	55	617	< 1	49	< 2	117	2.73	< 2	< 10	21	< 0.5	< 2	1.42	16	100	3.42	< 10	< 1	1.00	20	1.70
1095980	0.6	0.6	119	715	7	12	92	150	1.32	39	11	89	< 0.5	< 2	1.02	6	25	2.83	< 10	< 1	0.13	< 10	0.54
1095981	< 0.2	< 0.5	44	445	< 1	38	< 2	148	2.06	< 2	< 10	69	< 0.5	< 2	1.01	15	131	2.50	< 10	< 1	0.98	22	1.71
1095982	< 0.2	< 0.5	30	353	< 1	35	< 2	96	1.92	< 2	< 10	479	< 0.5	< 2	0.81	14	130	2.29	< 10	< 1	0.94	21	1.81
1095983	< 0.2	0.9	50	662	< 1	41	< 2	266	2.30	< 2	< 10	371	< 0.5	< 2	1.41	16	110	2.77	< 10	< 1	1.05	23	1.92
1095984	< 0.2	< 0.5	31	545	< 1	36	< 2	51	1.99	< 2	< 10	393	< 0.5	< 2	1.49	15	125	2.32	< 10	< 1	0.76	21	1.64
1095985	< 0.2	0.9	51	580	< 1	52	< 2	172	1.95	< 2	< 10	178	< 0.5	< 2	1.50	20	109	2.83	< 10	< 1	0.59	20	1.90
1095986	< 0.2	< 0.5	71	550	< 1	61	< 2	50	2.23	< 2	< 10	30	< 0.5	< 2	1.28	26	104	3.75	< 10	< 1	0.68	< 10	1.87
1095987	< 0.2	< 0.5	34	775	< 1	5	< 2	33	1.53	< 2	< 10	< 10	< 0.5	2	3.74	25	2	6.68	< 10	< 1	0.05	< 10	0.98
1095988	< 0.2	< 0.5	16	861	< 1	2	2	44	0.95	< 2	< 10	< 10	< 0.5	< 2	2.94	23	1	8.74	< 10	1	0.02	< 10	0.62
1095989	< 0.2	< 0.5	2	906	< 1	3	< 2	44	0.92	< 2	< 10	< 10	< 0.5	< 2	2.55	19	2	9.90	10	2	0.02	< 10	0.53

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095526	0.052	0.022	0.03	< 2	< 1	12	0.02	< 20	< 1	< 2	< 10	2	< 10	8	20
1095527	0.088	0.026	0.03	< 2	1	34	0.06	< 20	< 1	< 2	< 10	16	< 10	7	27
1095528	0.141	0.034	0.09	2	6	53	0.18	< 20	1	< 2	< 10	65	< 10	5	23
1095529	0.062	0.025	0.04	< 2	2	27	0.06	< 20	3	< 2	< 10	20	< 10	7	23
1095530	0.078	0.038	0.04	< 2	4	47	0.12	< 20	2	< 2	< 10	26	< 10	10	6
1095531	0.165	0.032	0.03	< 2	4	80	0.13	< 20	< 1	< 2	< 10	41	< 10	6	19
1095532	0.356	0.035	0.04	< 2	6	153	0.18	< 20	1	< 2	< 10	70	< 10	5	13
1095533	0.299	0.047	0.57	2	7	112	0.20	< 20	2	< 2	< 10	92	< 10	5	15
1095534	0.170	0.034	0.39	2	23	26	0.13	< 20	4	< 2	< 10	182	< 10	10	3
1095535	0.318	0.037	0.07	2	18	58	0.20	< 20	< 1	< 2	< 10	143	< 10	9	2
1095536	0.340	0.033	0.12	< 2	17	120	0.21	< 20	3	< 2	< 10	138	< 10	9	3
1095537	0.212	0.031	0.08	< 2	18	58	0.20	< 20	< 1	< 2	< 10	157	< 10	9	3
1095538	0.167	0.029	0.19	3	22	31	0.16	< 20	< 1	< 2	< 10	181	< 10	8	3
1095539	0.360	0.033	0.14	2	17	71	0.19	< 20	2	< 2	< 10	139	< 10	8	3
1095540	0.024	0.052	3.00	6	2	116	0.02	< 20	< 1	< 2	< 10	20	23	3	23
1095541	0.361	0.033	0.03	< 2	17	52	0.19	< 20	< 1	< 2	< 10	140	< 10	8	2
1095542	0.361	0.031	0.08	< 2	19	49	0.21	< 20	2	< 2	< 10	146	< 10	10	2
1095543	0.325	0.040	0.06	< 2	20	27	0.20	< 20	1	< 2	< 10	152	< 10	11	3
1095544	0.329	0.037	0.22	< 2	20	25	0.20	< 20	2	< 2	< 10	167	< 10	12	3
1095545	0.325	0.044	0.06	< 2	23	15	0.21	< 20	< 1	< 2	< 10	210	< 10	15	4
1095546	0.319	0.049	0.02	2	22	9	0.18	< 20	1	< 2	< 10	190	< 10	15	4
1095547	0.357	0.044	0.03	< 2	24	11	0.21	< 20	2	< 2	< 10	206	< 10	16	4
1095548	0.342	0.047	0.11	< 2	24	10	0.20	< 20	1	< 2	< 10	209	< 10	16	5
1095549	0.335	0.052	0.09	2	25	9	0.23	< 20	< 1	< 2	< 10	230	< 10	19	6
1095550	0.077	0.037	0.04	< 2	4	46	0.11	< 20	2	< 2	< 10	26	< 10	10	7
1095551	0.194	0.098	0.60	2	17	39	0.17	< 20	3	< 2	< 10	44	< 10	33	12
1095552	0.274	0.089	0.04	< 2	18	9	0.20	< 20	< 1	< 2	< 10	17	< 10	32	7
1095553	0.237	0.103	0.16	3	18	7	0.22	< 20	3	< 2	< 10	46	< 10	33	6
1095554	0.273	0.022	1.20	< 2	20	14	0.25	< 20	5	< 2	< 10	241	< 10	8	3
1095555	0.262	0.030	0.19	< 2	19	13	0.22	< 20	1	< 2	< 10	150	< 10	10	3
1095556	0.242	0.041	0.35	< 2	19	9	0.20	< 20	2	< 2	< 10	126	< 10	12	3
1095557	0.269	0.051	1.16	3	20	22	0.20	< 20	2	< 2	< 10	138	< 10	16	4
1095558	0.302	0.039	0.17	< 2	21	10	0.21	< 20	2	< 2	< 10	151	< 10	14	3
1095559	0.452	0.018	0.34	< 2	13	30	0.21	< 20	< 1	< 2	< 10	146	< 10	8	4
1095560	0.109	0.036	0.10	4	4	50	0.13	< 20	< 1	< 2	< 10	34	< 10	10	8
1095561	0.403	0.019	0.29	< 2	15	19	0.19	< 20	3	< 2	< 10	135	< 10	7	4
1095562	0.454	0.016	0.29	4	18	9	0.20	< 20	4	< 2	< 10	147	< 10	7	4
1095563	0.468	0.019	0.22	< 2	20	9	0.21	< 20	< 1	< 2	< 10	181	< 10	8	3
1095564	0.179	0.045	1.02	< 2	6	8	0.14	< 20	5	< 2	< 10	84	< 10	4	18
1095565	0.184	0.045	1.04	< 2	6	8	0.14	< 20	4	< 2	< 10	86	< 10	4	18
1095566	0.153	0.074	0.19	< 2	4	7	0.15	< 20	2	< 2	< 10	63	< 10	4	11
1095567	0.088	0.113	2.92	2	7	35	0.13	< 20	2	< 2	< 10	98	< 10	8	12
1095568	0.102	0.082	3.28	3	5	61	0.09	< 20	5	< 2	< 10	57	< 10	8	6
1095569	0.216	0.046	1.24	2	14	37	0.13	< 20	< 1	< 2	< 10	134	< 10	10	5
1095570	0.077	0.037	0.04	< 2	4	47	0.12	< 20	4	< 2	< 10	26	< 10	10	7
1095571	0.320	0.104	2.22	3	14	62	0.13	< 20	5	< 2	< 10	136	< 10	11	12
1095572	0.328	0.016	0.69	2	15	40	0.19	< 20	< 1	< 2	< 10	129	< 10	11	9
1095573	0.239	0.042	0.46	< 2	15	18	0.20	< 20	5	< 2	< 10	123	< 10	9	5
1095574	0.335	0.031	0.15	< 2	17	14	0.24	< 20	2	< 2	< 10	122	< 10	11	3
1095575	0.225	0.028	0.20	< 2	12	14	0.17	< 20	1	< 2	< 10	92	< 10	8	3
1095576	0.152	0.050	2.10	< 2	11	16	0.12	< 20	2	< 2	< 10	94	< 10	8	11

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095577	0.150	0.033	0.64	< 2	13	14	0.19	< 20	3	< 2	< 10	105	< 10	8	9
1095578	0.232	0.028	0.56	< 2	17	13	0.20	< 20	2	< 2	< 10	124	< 10	9	4
1095579	0.249	0.042	0.14	< 2	12	30	0.22	< 20	2	< 2	< 10	105	< 10	7	5
1095580	0.029	0.053	1.07	6	2	145	0.02	< 20	2	< 2	< 10	22	19	4	14
1095581	0.241	0.040	0.23	< 2	12	55	0.30	< 20	1	< 2	< 10	138	< 10	8	5
1095582	0.112	0.064	0.21	< 2	14	24	0.24	< 20	2	< 2	< 10	125	< 10	9	14
1095583	0.068	0.053	0.21	< 2	11	32	0.19	< 20	2	< 2	< 10	118	< 10	8	9
1095584	0.358	0.034	0.29	< 2	14	52	0.21	< 20	1	< 2	< 10	134	< 10	8	5
1095585	0.268	0.028	0.15	< 2	14	39	0.17	< 20	2	< 2	< 10	109	< 10	8	3
1095586	0.228	0.031	0.16	< 2	15	32	0.22	< 20	3	< 2	< 10	127	< 10	10	2
1095587	0.304	0.032	0.08	< 2	16	45	0.24	< 20	1	< 2	< 10	132	< 10	9	3
1095588	0.331	0.037	0.35	< 2	14	90	0.18	< 20	2	< 2	< 10	115	< 10	8	3
1095589	0.308	0.044	0.07	< 2	14	135	0.25	< 20	< 1	< 2	< 10	107	< 10	9	5
1095590	0.080	0.038	0.04	< 2	4	49	0.12	< 20	4	< 2	< 10	27	< 10	10	6
1095591	0.126	0.127	0.08	< 2	9	58	0.22	< 20	2	< 2	< 10	83	< 10	9	10
1095592	0.128	0.136	0.02	< 2	7	52	0.29	< 20	2	< 2	< 10	90	< 10	10	11
1095593	0.124	0.089	0.05	< 2	10	43	0.28	< 20	5	< 2	< 10	106	< 10	9	10
1095594	0.197	0.063	0.02	< 2	11	44	0.25	< 20	2	< 2	< 10	98	< 10	8	6
1095595	0.314	0.032	0.05	< 2	14	39	0.25	< 20	2	< 2	< 10	111	< 10	9	2
1095596	0.283	0.031	0.20	< 2	16	26	0.26	< 20	2	< 2	< 10	148	< 10	10	4
1095597	0.254	0.051	0.11	< 2	15	41	0.19	< 20	5	< 2	< 10	115	< 10	10	7
1095598	0.145	0.059	0.10	< 2	12	51	0.13	< 20	< 1	< 2	< 10	103	< 10	8	10
1095599	0.160	0.067	0.07	< 2	9	44	0.15	< 20	1	< 2	< 10	90	< 10	7	9
1095600	0.027	0.052	3.08	6	2	121	0.02	< 20	< 1	< 2	< 10	18	25	3	23
1095601	0.128	0.076	0.02	< 2	6	35	0.17	< 20	2	< 2	< 10	76	< 10	5	7
1095602	0.120	0.073	0.06	< 2	6	73	0.09	< 20	2	< 2	< 10	60	< 10	6	5
1095603	0.102	0.066	0.44	< 2	7	57	0.15	< 20	< 1	< 2	< 10	66	< 10	6	14
1095604	0.330	0.069	0.35	< 2	7	164	0.20	< 20	2	< 2	< 10	74	< 10	6	13
1095605	0.326	0.070	0.35	< 2	7	161	0.20	< 20	< 1	< 2	< 10	75	< 10	6	13
1095606	0.466	0.081	0.47	< 2	6	307	0.19	< 20	3	< 2	< 10	70	< 10	6	14
1095607	0.305	0.085	0.05	< 2	7	197	0.18	< 20	2	< 2	< 10	71	< 10	7	12
1095608	0.392	0.065	0.30	< 2	9	258	0.18	< 20	3	< 2	< 10	89	< 10	6	9
1095609	0.463	0.056	1.03	3	9	166	0.25	< 20	2	< 2	< 10	102	< 10	6	12
1095610	0.079	0.037	0.04	< 2	4	49	0.12	< 20	5	< 2	< 10	26	< 10	10	6
1095611	0.269	0.054	0.32	2	11	61	0.18	< 20	4	< 2	< 10	96	< 10	7	13
1095612	0.218	0.045	0.23	< 2	10	49	0.15	< 20	2	< 2	< 10	85	< 10	6	14
1095613	0.191	0.046	0.32	< 2	10	31	0.18	< 20	2	< 2	< 10	84	< 10	6	16
1095614	0.150	0.054	0.45	< 2	6	19	0.18	< 20	< 1	< 2	< 10	62	< 10	5	22
1095615	0.158	0.055	0.75	< 2	6	28	0.16	< 20	3	< 2	< 10	63	< 10	5	19
1095616	0.145	0.055	0.86	< 2	6	36	0.14	< 20	< 1	< 2	< 10	62	< 10	4	16
1095617	0.150	0.058	0.69	< 2	7	45	0.10	< 20	2	< 2	< 10	60	< 10	5	15
1095618	0.380	0.030	0.18	3	16	196	0.14	< 20	< 1	< 2	< 10	117	< 10	8	3
1095619	0.244	0.039	0.32	< 2	14	125	0.09	< 20	< 1	< 2	< 10	100	< 10	7	8
1095620	0.115	0.037	0.10	3	4	52	0.13	< 20	3	< 2	< 10	36	< 10	10	8
1095621	0.172	0.055	0.18	< 2	8	39	0.14	< 20	3	< 2	< 10	70	< 10	5	13
1095622	0.226	0.096	0.13	< 2	6	65	0.14	< 20	1	< 2	< 10	62	< 10	6	10
1095623	0.151	0.098	0.41	< 2	6	30	0.14	< 20	< 1	< 2	< 10	70	< 10	5	11
1095624	0.216	0.044	0.28	< 2	10	32	0.15	< 20	< 1	< 2	< 10	94	< 10	6	14
1095625	0.173	0.043	0.09	< 2	6	35	0.14	< 20	3	< 2	< 10	65	< 10	5	12
1095626	0.245	0.038	0.03	< 2	6	70	0.10	< 20	2	< 2	< 10	55	13	4	6
1095627	0.207	0.039	0.03	< 2	6	40	0.09	< 20	1	< 2	< 10	64	< 10	3	8

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095628	0.296	0.040	0.01	< 2	5	46	0.10	< 20	2	< 2	< 10	50	< 10	3	8
1095629	0.203	0.040	0.03	< 2	7	35	0.10	< 20	1	< 2	< 10	60	< 10	4	5
1095630	0.082	0.038	0.04	< 2	4	51	0.12	< 20	3	< 2	< 10	27	< 10	11	6
1095631	0.209	0.039	0.06	< 2	6	39	0.10	< 20	< 1	< 2	< 10	61	< 10	4	10
1095632	0.319	0.081	0.34	< 2	5	127	0.09	< 20	< 1	< 2	< 10	44	34	6	5
1095633	0.232	0.041	0.28	< 2	6	38	0.12	< 20	< 1	< 2	< 10	59	< 10	4	18
1095634	0.245	0.041	0.25	< 2	5	40	0.12	< 20	3	< 2	< 10	49	< 10	4	16
1095635	0.302	0.039	0.17	< 2	5	55	0.13	< 20	< 1	< 2	< 10	53	< 10	3	13
1095636	0.296	0.041	0.07	< 2	6	62	0.14	< 20	2	< 2	< 10	59	< 10	3	12
1095637	0.352	0.041	0.15	< 2	6	66	0.11	< 20	2	< 2	< 10	59	< 10	4	9
1095638	0.519	0.042	0.41	< 2	6	98	0.14	< 20	< 1	< 2	< 10	73	< 10	4	8
1095639	0.457	0.043	0.47	< 2	5	97	0.12	< 20	< 1	< 2	< 10	54	< 10	3	9
1095640	0.030	0.053	1.06	6	2	143	0.02	< 20	2	< 2	< 10	22	19	4	13
1095641	0.340	0.044	0.14	3	25	14	0.24	< 20	< 1	< 2	< 10	362	< 10	15	5
1095642	0.285	0.055	0.24	< 2	23	18	0.23	< 20	2	< 2	< 10	222	< 10	17	6
1095643	0.272	0.070	0.27	< 2	26	16	0.23	< 20	2	< 2	< 10	138	< 10	25	7
1095644	0.295	0.054	0.36	< 2	24	13	0.22	< 20	4	< 2	< 10	184	< 10	18	5
1095645	0.298	0.054	0.36	< 2	25	13	0.23	< 20	< 1	< 2	< 10	186	< 10	18	5
1095646	0.288	0.043	0.17	2	24	11	0.23	< 20	2	< 2	< 10	231	< 10	14	4
1095647	0.324	0.035	0.04	< 2	26	14	0.26	< 20	3	< 2	< 10	294	< 10	13	4
1095648	0.346	0.033	0.32	2	28	16	0.27	< 20	< 1	< 2	< 10	338	< 10	12	4
1095649	0.342	0.033	0.22	2	24	10	0.26	< 20	5	< 2	< 10	298	< 10	11	3
1095650	0.080	0.038	0.04	< 2	4	50	0.12	< 20	4	< 2	< 10	27	< 10	10	6
1095651	0.379	0.038	0.16	< 2	26	11	0.27	< 20	< 1	< 2	< 10	263	< 10	14	5
1095652	0.334	0.033	0.15	2	25	8	0.27	< 20	2	< 2	< 10	272	< 10	11	4
1095653	0.363	0.042	0.26	< 2	26	10	0.28	< 20	< 1	< 2	< 10	297	< 10	11	5
1095654	0.296	0.031	0.20	< 2	25	18	0.27	< 20	4	< 2	< 10	302	< 10	11	4
1095655	0.319	0.030	0.28	3	27	20	0.27	< 20	2	< 2	< 10	269	< 10	10	4
1095656	0.249	0.033	0.24	< 2	23	13	0.27	< 20	< 1	< 2	< 10	253	< 10	10	4
1095657	0.303	0.039	0.10	< 2	23	17	0.27	< 20	3	< 2	< 10	181	< 10	16	4
1095658	0.270	0.050	0.31	< 2	21	11	0.22	< 20	4	< 2	< 10	152	< 10	16	6
1095659	0.251	0.063	0.28	2	20	11	0.20	< 20	1	< 2	< 10	151	< 10	18	6
1095660	0.026	0.050	3.09	7	2	122	0.02	< 20	< 1	< 2	< 10	17	25	3	21
1095661	0.262	0.047	0.26	2	22	13	0.23	< 20	< 1	< 2	< 10	200	< 10	12	7
1095662	0.305	0.040	0.31	< 2	24	20	0.25	< 20	3	< 2	< 10	221	< 10	12	5
1095663	0.264	0.031	0.23	< 2	22	9	0.26	< 20	3	< 2	< 10	225	< 10	9	4
1095664	0.315	0.027	0.60	3	22	23	0.30	< 20	3	< 2	< 10	244	< 10	10	4
1095665	0.291	0.034	1.17	3	21	16	0.23	< 20	3	< 2	< 10	414	< 10	9	5
1095666	0.365	0.038	0.82	3	31	35	0.26	< 20	4	< 2	< 10	504	< 10	13	5
1095667	0.297	0.030	0.10	2	24	9	0.26	< 20	2	< 2	< 10	385	< 10	10	4
1095668	0.347	0.023	0.65	3	26	42	0.27	< 20	3	< 2	< 10	406	< 10	12	5
1095669	0.313	0.034	0.15	2	24	12	0.27	< 20	4	< 2	< 10	334	< 10	12	4
1095670	0.079	0.037	0.04	< 2	4	44	0.11	< 20	2	< 2	< 10	26	< 10	10	7
1095671	0.332	0.022	0.19	2	23	7	0.32	< 20	< 1	< 2	< 10	369	< 10	9	3
1095672	0.319	0.027	1.04	2	24	30	0.35	< 20	1	< 2	< 10	395	< 10	11	5
1095673	0.366	0.021	0.20	2	26	9	0.29	< 20	2	< 2	< 10	430	< 10	8	3
1095674	0.385	0.020	0.17	3	27	13	0.28	< 20	2	< 2	< 10	461	< 10	9	3
1095675	0.389	0.021	0.15	2	28	13	0.36	< 20	4	< 2	< 10	469	< 10	10	3
1095676	0.391	0.017	0.18	2	28	11	0.32	< 20	< 1	< 2	< 10	493	< 10	8	3
1095677	0.171	0.039	0.34	2	8	39	0.17	< 20	2	< 2	< 10	84	< 10	5	9
1095678	0.189	0.043	0.11	< 2	8	20	0.15	< 20	< 1	< 2	< 10	85	< 10	4	6

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095679	0.254	0.047	0.06	< 2	7	73	0.11	< 20	2	< 2	< 10	60	< 10	4	6
1095680	0.117	0.037	0.10	3	4	47	0.12	< 20	1	< 2	< 10	36	< 10	10	7
1095681	0.193	0.047	0.06	< 2	9	55	0.14	< 20	2	< 2	< 10	78	< 10	5	9
1095682	0.229	0.046	0.49	< 2	10	76	0.12	< 20	< 1	< 2	< 10	97	< 10	4	9
1095683	0.213	0.042	0.13	3	10	42	0.14	< 20	3	< 2	< 10	97	< 10	6	9
1095684	0.319	0.040	0.07	< 2	8	87	0.17	< 20	2	< 2	< 10	82	< 10	6	16
1095685	0.319	0.038	0.07	< 2	8	86	0.18	< 20	2	< 2	< 10	81	< 10	6	7
1095686	0.227	0.042	0.11	< 2	9	36	0.17	< 20	2	< 2	< 10	85	< 10	5	17
1095687	0.165	0.048	0.07	2	7	19	0.14	< 20	4	< 2	< 10	82	< 10	4	10
1095688	0.247	0.042	0.03	< 2	8	70	0.15	< 20	3	< 2	< 10	79	< 10	4	12
1095689	0.176	0.051	0.18	< 2	6	54	0.17	< 20	2	< 2	< 10	61	< 10	5	6
1095691	0.142	0.062	0.09	< 2	7	37	0.15	< 20	< 1	< 2	< 10	70	< 10	4	6
1095692	0.126	0.041	0.09	< 2	8	20	0.10	< 20	1	< 2	< 10	66	< 10	4	9
1095693	0.164	0.043	0.36	< 2	12	20	0.14	< 20	3	< 2	< 10	95	< 10	6	13
1095694	0.221	0.038	0.88	< 2	19	26	0.15	< 20	< 1	< 2	< 10	148	< 10	11	4
1095695	0.279	0.033	0.76	< 2	18	34	0.21	< 20	2	< 2	< 10	136	< 10	11	3
1095696	0.271	0.031	0.58	< 2	19	31	0.20	< 20	2	< 2	< 10	146	< 10	11	3
1095697	0.254	0.044	0.96	3	20	24	0.24	< 20	3	< 2	< 10	180	< 10	13	6
1095698	0.284	0.039	0.92	3	20	11	0.25	< 20	3	< 2	< 10	181	< 10	14	6
1095699	0.299	0.041	0.48	< 2	22	6	0.26	< 20	4	< 2	< 10	189	< 10	15	5
1095700	0.033	0.053	1.09	5	2	142	0.02	< 20	3	< 2	< 10	23	19	4	16
1095701	0.266	0.054	0.64	< 2	21	13	0.25	< 20	2	< 2	< 10	186	< 10	16	4
1095702	0.310	0.045	0.37	< 2	23	16	0.23	< 20	1	< 2	< 10	202	< 10	17	5
1095703	0.334	0.043	1.00	2	24	14	0.25	< 20	3	< 2	< 10	215	< 10	17	5
1095704	0.323	0.045	0.40	3	26	12	0.25	< 20	3	< 2	< 10	230	< 10	18	5
1095705	0.210	0.042	0.41	< 2	23	15	0.16	< 20	< 1	< 2	< 10	185	< 10	16	5
1095706	0.288	0.049	0.14	2	24	13	0.20	< 20	4	< 2	< 10	203	< 10	19	4
1095707	0.130	0.051	0.20	4	21	17	0.06	< 20	< 1	< 2	< 10	132	< 10	13	5
1095708	0.332	0.035	0.61	< 2	27	20	0.27	< 20	2	< 2	< 10	318	< 10	14	4
1095709	0.214	0.026	0.20	2	22	18	0.17	< 20	2	< 2	< 10	220	< 10	10	3
1095710	0.081	0.038	0.04	< 2	4	46	0.11	< 20	3	< 2	< 10	27	< 10	10	6
1095711	0.253	0.033	0.14	2	21	13	0.16	< 20	3	< 2	< 10	145	< 10	10	3
1095712	0.292	0.028	0.11	2	22	16	0.19	< 20	2	< 2	< 10	179	< 10	11	3
1095713	0.462	0.009	0.08	2	7	67	0.07	< 20	2	< 2	< 10	62	< 10	3	1
1095714	0.449	0.019	0.02	< 2	7	36	0.12	< 20	< 1	< 2	< 10	68	< 10	4	1
1095715	0.310	0.012	0.09	< 2	8	25	0.14	< 20	3	< 2	< 10	86	< 10	3	1
1095716	0.235	0.028	0.06	< 2	20	17	0.21	< 20	1	< 2	< 10	166	< 10	9	3
1095717	0.122	0.057	0.02	< 2	13	10	0.21	< 20	< 1	< 2	< 10	110	< 10	8	7
1095718	0.017	0.091	0.23	6	1	18	0.02	< 20	< 1	< 2	< 10	25	< 10	7	7
1095719	0.307	0.026	0.07	< 2	16	24	0.15	< 20	1	< 2	< 10	124	< 10	9	2
1095721	0.461	0.033	0.15	< 2	16	40	0.16	< 20	< 1	< 2	< 10	120	< 10	10	2
1095722	0.354	0.035	0.04	< 2	14	35	0.16	< 20	< 1	< 2	< 10	106	< 10	8	2
1095723	0.355	0.030	0.13	2	16	31	0.18	< 20	2	< 2	< 10	129	< 10	8	2
1095724	0.284	0.036	0.49	< 2	14	21	0.17	< 20	< 1	< 2	< 10	111	< 10	7	5
1095725	0.295	0.036	0.51	3	15	21	0.19	< 20	4	< 2	< 10	117	< 10	7	6
1095726	0.421	0.026	0.14	< 2	15	61	0.17	< 20	2	< 2	< 10	109	< 10	7	1
1095727	0.369	0.025	0.09	< 2	16	41	0.16	< 20	< 1	< 2	< 10	114	< 10	8	2
1095728	0.181	0.025	0.14	3	17	37	0.19	< 20	< 1	< 2	< 10	127	< 10	9	2
1095729	0.099	0.053	1.08	3	10	31	0.23	< 20	2	< 2	< 10	107	< 10	7	11
1095730	0.081	0.038	0.04	< 2	4	46	0.11	< 20	< 1	< 2	< 10	27	< 10	10	5
1095731	0.161	0.081	0.08	< 2	8	27	0.18	< 20	4	< 2	< 10	85	< 10	7	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	10	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095732	0.107	0.080	0.38	< 2	7	50	0.20	< 20	3	< 2	< 10	88	< 10	7	15
1095733	0.171	0.093	0.25	< 2	8	169	0.16	< 20	< 1	< 2	< 10	87	< 10	6	11
1095734	0.116	0.080	0.60	< 2	9	55	0.16	< 20	2	< 2	< 10	87	< 10	8	11
1095735	0.137	0.064	0.65	< 2	8	45	0.15	< 20	3	< 2	< 10	70	< 10	8	9
1095736	0.333	0.061	0.25	< 2	7	148	0.18	< 20	4	< 2	< 10	76	< 10	7	9
1095737	0.292	0.044	0.35	< 2	11	119	0.17	< 20	< 1	< 2	< 10	101	< 10	7	7
1095738	0.245	0.023	0.10	3	16	101	0.10	< 20	2	< 2	< 10	114	< 10	8	2
1095739	0.107	0.054	0.48	< 2	8	83	0.10	< 20	2	< 2	< 10	62	< 10	7	15
1095740	0.118	0.037	0.10	3	4	48	0.12	< 20	2	< 2	< 10	36	< 10	10	7
1095741	0.245	0.057	0.12	< 2	7	81	0.19	< 20	5	< 2	< 10	74	< 10	7	20
1095742	0.165	0.037	0.89	2	13	68	0.17	< 20	1	4	< 10	134	< 10	7	11
1095743	0.226	0.047	1.69	< 2	8	72	0.16	< 20	< 1	< 2	< 10	83	< 10	6	23
1095744	0.159	0.048	0.59	5	9	82	0.10	< 20	2	< 2	< 10	64	< 10	6	10
1095745	0.194	0.057	0.54	< 2	7	84	0.14	< 20	3	< 2	< 10	68	< 10	6	6
1095746	0.162	0.073	0.36	< 2	8	55	0.15	< 20	< 1	< 2	< 10	62	< 10	6	6
1095747	0.254	0.059	0.12	< 2	7	55	0.18	< 20	2	< 2	< 10	62	< 10	6	9
1095748	0.236	0.056	0.22	< 2	9	43	0.20	< 20	< 1	< 2	< 10	71	< 10	6	11
1095749	0.209	0.054	0.19	< 2	7	38	0.18	< 20	3	< 2	< 10	61	< 10	5	9
1095750	0.083	0.039	0.04	< 2	4	47	0.11	< 20	< 1	< 2	< 10	27	< 10	11	5
1095751	0.205	0.053	0.20	< 2	8	40	0.15	< 20	< 1	2	< 10	76	< 10	6	13
1095752	0.200	0.054	0.20	< 2	9	60	0.11	< 20	< 1	< 2	< 10	68	< 10	6	10
1095753	0.220	0.039	0.22	< 2	12	116	0.09	< 20	2	< 2	< 10	91	< 10	7	6
1095754	0.193	0.047	0.47	< 2	8	53	0.14	< 20	< 1	< 2	< 10	65	< 10	6	13
1095755	0.254	0.056	0.09	< 2	6	43	0.15	< 20	1	< 2	< 10	62	< 10	5	8
1095756	0.171	0.055	0.62	< 2	7	33	0.16	< 20	3	< 2	< 10	72	< 10	5	15
1095757	0.186	0.050	0.38	< 2	8	27	0.14	< 20	< 1	< 2	< 10	74	< 10	5	10
1095758	0.251	0.040	0.08	< 2	7	48	0.10	< 20	2	< 2	< 10	63	< 10	5	6
1095759	0.219	0.037	0.06	< 2	6	28	0.10	< 20	1	< 2	< 10	62	< 10	4	5
1095761	0.429	0.038	0.05	< 2	5	88	0.07	< 20	< 1	< 2	< 10	45	< 10	4	6
1095762	0.222	0.038	0.25	< 2	6	28	0.10	< 20	2	< 2	< 10	57	< 10	4	10
1095763	0.263	0.040	0.18	< 2	6	33	0.12	< 20	3	< 2	< 10	63	< 10	4	11
1095764	0.275	0.039	0.26	< 2	6	39	0.13	< 20	< 1	< 2	< 10	54	< 10	4	9
1095765	0.302	0.041	0.11	< 2	7	52	0.12	< 20	3	< 2	< 10	61	< 10	5	7
1095766	0.387	0.037	0.21	< 2	8	73	0.16	< 20	2	< 2	< 10	71	< 10	4	11
1095767	0.152	0.038	0.28	< 2	7	35	0.09	< 20	3	< 2	< 10	60	< 10	4	8
1095768	0.216	0.037	0.15	< 2	8	41	0.14	< 20	2	< 2	< 10	74	< 10	4	11
1095769	0.323	0.040	0.07	< 2	6	82	0.14	< 20	< 1	< 2	< 10	62	< 10	4	7
1095770	0.078	0.038	0.04	< 2	4	44	0.11	< 20	< 1	< 2	< 10	26	< 10	10	5
1095771	0.358	0.040	0.07	3	7	78	0.16	< 20	< 1	< 2	< 10	65	< 10	4	10
1095772	0.318	0.036	0.70	< 2	6	62	0.12	< 20	2	< 2	< 10	56	< 10	4	11
1095773	0.376	0.045	0.11	2	7	66	0.14	< 20	2	< 2	< 10	71	< 10	4	11
1095774	0.087	0.043	0.17	< 2	10	14	0.11	< 20	< 1	< 2	< 10	88	< 10	4	12
1095775	0.133	0.040	0.31	2	7	17	0.11	< 20	< 1	< 2	< 10	78	< 10	4	9
1095776	0.074	0.041	0.49	2	7	14	0.07	< 20	< 1	< 2	< 10	71	< 10	4	10
1095777	0.132	0.041	0.31	< 2	6	16	0.10	< 20	1	< 2	< 10	64	< 10	4	10
1095778	0.176	0.039	0.04	< 2	6	22	0.11	< 20	2	< 2	< 10	77	< 10	4	7
1095779	0.419	0.030	0.10	2	16	153	0.16	< 20	< 1	< 2	< 10	127	< 10	8	2
1095780	0.029	0.051	3.10	6	2	122	0.02	< 20	< 1	< 2	< 10	17	24	3	22
1095781	0.093	0.044	0.22	< 2	5	9	0.09	< 20	1	< 2	< 10	72	< 10	3	5
1095782	0.116	0.043	0.15	< 2	5	13	0.10	< 20	1	< 2	< 10	80	< 10	3	5
1095783	0.481	0.044	0.16	< 2	5	82	0.09	< 20	< 1	< 2	< 10	57	< 10	3	5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095784	0.577	0.040	0.02	< 2	5	104	0.12	< 20	4	< 2	< 10	66	< 10	3	5
1095785	0.341	0.039	0.10	< 2	8	72	0.17	< 20	< 1	< 2	< 10	74	< 10	3	6
1095786	0.086	0.040	0.02	< 2	10	6	0.15	< 20	< 1	< 2	< 10	89	< 10	3	10
1095787	0.150	0.016	0.02	< 2	11	16	0.11	< 20	< 1	< 2	< 10	65	< 10	3	6
1095788	0.316	0.036	0.44	< 2	21	19	0.22	< 20	< 1	< 2	< 10	204	< 10	12	3
1095789	0.407	0.028	0.16	< 2	24	28	0.22	< 20	4	3	< 10	329	< 10	10	3
1095790	0.082	0.038	0.04	< 2	4	46	0.11	< 20	2	< 2	< 10	27	< 10	10	6
1095791	0.391	0.028	0.14	< 2	25	12	0.23	< 20	1	< 2	< 10	358	< 10	10	3
1095792	0.377	0.030	0.15	< 2	24	15	0.22	< 20	2	< 2	< 10	314	< 10	12	3
1095793	0.256	0.038	0.28	2	18	25	0.35	< 20	4	< 2	< 10	319	< 10	11	4
1095794	0.291	0.066	0.48	3	18	76	0.34	< 20	2	< 2	< 10	367	< 10	12	6
1095795	0.323	0.030	0.21	< 2	22	18	0.26	< 20	2	< 2	< 10	350	< 10	11	4
1095796	0.363	0.024	0.10	2	23	16	0.25	< 20	4	< 2	< 10	300	< 10	11	4
1095797	0.333	0.027	0.16	< 2	22	9	0.22	< 20	3	< 2	< 10	304	< 10	9	3
1095798	0.316	0.029	0.18	3	25	15	0.23	< 20	2	< 2	< 10	345	< 10	11	4
1095799	0.321	0.028	0.26	2	23	6	0.23	< 20	1	< 2	< 10	415	< 10	9	4
1095800	0.115	0.037	0.10	3	4	47	0.12	< 20	< 1	< 2	< 10	35	< 10	10	7
1095801	0.251	0.027	0.12	< 2	17	9	0.19	< 20	3	< 2	< 10	265	< 10	7	3
1095802	0.332	0.030	0.18	< 2	23	15	0.22	< 20	1	< 2	< 10	359	< 10	10	3
1095803	0.218	0.039	0.11	< 2	19	12	0.17	< 20	1	< 2	< 10	321	< 10	11	3
1095804	0.249	0.027	0.09	< 2	19	17	0.20	< 20	1	< 2	< 10	393	< 10	8	3
1095805	0.240	0.040	0.09	3	19	5	0.20	< 20	3	< 2	< 10	433	< 10	10	4
1095806	0.326	0.030	0.08	2	23	9	0.26	< 20	3	< 2	< 10	378	< 10	10	4
1095807	0.233	0.027	0.18	< 2	16	16	0.24	< 20	< 1	< 2	< 10	308	< 10	6	3
1095808	0.284	0.032	0.13	< 2	22	11	0.28	< 20	< 1	< 2	< 10	435	< 10	11	4
1095809	0.235	0.029	0.08	< 2	18	7	0.23	< 20	3	< 2	< 10	327	< 10	8	3
1095810	0.081	0.038	0.04	< 2	4	45	0.11	< 20	2	< 2	< 10	27	< 10	10	6
1095811	0.304	0.022	0.10	2	23	6	0.25	< 20	2	< 2	< 10	429	< 10	8	3
1095812	0.212	0.065	0.25	3	19	17	0.18	< 20	2	< 2	< 10	250	< 10	15	5
1095813	0.355	0.018	0.17	< 2	26	14	0.26	< 20	2	< 2	< 10	471	< 10	8	3
1095814	0.410	0.018	0.13	2	28	12	0.30	< 20	3	< 2	< 10	495	< 10	8	3
1095815	0.287	0.022	0.08	< 2	20	16	0.25	< 20	2	< 2	< 10	390	< 10	7	3
1095816	0.326	0.018	0.15	< 2	23	19	0.30	< 20	4	< 2	< 10	399	< 10	7	3
1095817	0.318	0.018	0.16	2	21	45	0.34	< 20	5	< 2	< 10	336	< 10	7	3
1095818	0.310	0.013	0.32	2	21	23	0.35	< 20	< 1	< 2	< 10	499	< 10	5	3
1095819	0.140	0.040	0.04	< 2	8	27	0.14	< 20	< 1	< 2	< 10	81	< 10	5	9
1095821	0.148	0.046	0.02	< 2	7	28	0.12	< 20	2	< 2	< 10	74	< 10	4	6
1095822	0.176	0.043	0.09	< 2	9	31	0.14	< 20	< 1	< 2	< 10	82	< 10	5	12
1095823	0.247	0.039	0.15	< 2	9	52	0.17	< 20	3	< 2	< 10	86	< 10	5	14
1095824	0.223	0.042	0.17	< 2	8	44	0.14	< 20	2	< 2	< 10	79	< 10	4	9
1095825	0.282	0.043	0.04	< 2	4	78	0.11	< 20	< 1	< 2	< 10	38	< 10	3	6
1095826	0.268	0.046	0.04	< 2	8	56	0.14	< 20	2	< 2	< 10	79	< 10	4	8
1095827	0.178	0.044	0.08	< 2	9	33	0.12	< 20	3	< 2	< 10	94	< 10	5	7
1095828	0.275	0.041	0.11	3	10	86	0.16	< 20	3	< 2	< 10	94	< 10	6	9
1095829	0.226	0.039	0.19	< 2	6	62	0.14	< 20	1	< 2	< 10	56	< 10	4	15
1095830	0.080	0.037	0.04	< 2	4	44	0.11	< 20	2	< 2	< 10	26	< 10	10	6
1095831	0.230	0.044	0.14	< 2	8	40	0.15	< 20	3	< 2	< 10	88	< 10	4	9
1095832	0.259	0.044	0.03	< 2	7	69	0.13	< 20	2	< 2	< 10	68	< 10	3	8
1095833	0.247	0.046	0.02	< 2	7	52	0.14	< 20	2	< 2	< 10	68	< 10	4	10
1095834	0.116	0.048	0.02	< 2	7	35	0.07	< 20	4	< 2	< 10	44	< 10	4	7
1095835	0.142	0.038	< 0.01	< 2	5	26	0.08	< 20	1	< 2	< 10	41	< 10	3	9

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095836	0.168	0.041	0.03	< 2	6	19	0.10	< 20	2	< 2	< 10	53	< 10	3	11
1095837	0.152	0.046	0.08	< 2	6	41	0.14	< 20	< 1	< 2	< 10	59	< 10	4	10
1095838	0.179	0.039	0.07	< 2	7	33	0.14	< 20	3	< 2	< 10	63	< 10	4	17
1095839	0.087	0.064	0.30	< 2	8	41	0.12	< 20	2	< 2	< 10	52	< 10	10	9
1095841	0.102	0.048	0.07	< 2	7	25	0.14	< 20	< 1	< 2	< 10	66	< 10	4	14
1095842	0.275	0.056	0.03	< 2	6	64	0.17	< 20	< 1	< 2	< 10	62	< 10	5	10
1095843	0.185	0.063	0.17	< 2	6	43	0.13	< 20	4	< 2	< 10	55	< 10	5	6
1095844	0.177	0.036	0.05	< 2	8	38	0.12	< 20	2	< 2	< 10	62	< 10	4	11
1095845	0.174	0.037	0.06	4	7	38	0.12	< 20	2	5	< 10	62	< 10	4	10
1095846	0.086	0.037	0.32	< 2	15	25	0.06	< 20	< 1	< 2	< 10	111	< 10	6	9
1095847	0.177	0.029	0.22	< 2	20	29	0.12	< 20	< 1	< 2	< 10	141	< 10	10	3
1095848	0.198	0.031	0.20	2	22	23	0.12	< 20	< 1	< 2	< 10	159	< 10	13	3
1095849	0.180	0.039	1.27	2	20	17	0.13	< 20	1	< 2	< 10	174	< 10	14	4
1095850	0.079	0.038	0.04	< 2	4	45	0.12	< 20	< 1	< 2	< 10	27	< 10	10	6
1095851	0.260	0.047	0.36	< 2	22	12	0.17	< 20	3	< 2	< 10	204	< 10	16	4
1095852	0.312	0.048	0.09	< 2	24	11	0.19	< 20	1	< 2	< 10	221	< 10	17	4
1095853	0.303	0.058	0.12	< 2	23	10	0.19	< 20	< 1	< 2	< 10	187	< 10	19	4
1095854	0.192	0.091	0.57	2	17	8	0.15	< 20	1	< 2	< 10	34	< 10	30	6
1095855	0.275	0.034	0.22	2	25	15	0.19	< 20	< 1	< 2	< 10	301	< 10	14	3
1095856	0.271	0.033	0.08	< 2	20	13	0.17	< 20	3	< 2	< 10	164	< 10	10	3
1095857	0.302	0.050	0.34	2	21	66	0.25	< 20	2	< 2	< 10	209	< 10	16	4
1095858	0.324	0.030	0.02	< 2	15	49	0.19	< 20	5	< 2	< 10	120	< 10	8	2
1095859	0.059	0.084	0.47	4	5	13	0.03	< 20	< 1	< 2	< 10	54	< 10	8	6
1095860	0.116	0.037	0.10	3	4	48	0.12	< 20	2	< 2	< 10	36	< 10	10	7
1095861	0.185	0.038	0.04	3	11	36	0.16	< 20	3	< 2	< 10	97	< 10	8	2
1095862	0.329	0.033	0.19	< 2	12	64	0.17	< 20	4	< 2	< 10	100	< 10	7	2
1095863	0.166	0.040	1.07	< 2	8	19	0.11	< 20	< 1	< 2	< 10	72	< 10	7	7
1095864	0.308	0.025	0.37	< 2	17	28	0.15	< 20	3	< 2	< 10	125	< 10	8	2
1095865	0.301	0.025	0.14	2	15	50	0.16	< 20	1	< 2	< 10	114	< 10	7	2
1095866	0.353	0.026	0.12	< 2	15	68	0.18	< 20	2	< 2	< 10	111	< 10	7	1
1095867	0.117	0.021	0.19	< 2	15	39	0.17	< 20	< 1	< 2	< 10	153	< 10	8	2
1095868	0.106	0.054	1.71	3	8	69	0.18	< 20	< 1	< 2	< 10	100	< 10	6	11
1095869	0.347	0.074	0.11	< 2	6	212	0.22	< 20	3	< 2	< 10	77	< 10	6	12
1095870	0.084	0.038	0.04	< 2	4	46	0.11	< 20	2	< 2	< 10	27	< 10	10	5
1095871	0.533	0.079	0.03	2	7	289	0.22	< 20	3	< 2	< 10	86	< 10	6	16
1095872	0.467	0.076	0.03	3	7	300	0.20	< 20	1	< 2	< 10	89	< 10	6	14
1095873	0.194	0.073	0.04	< 2	7	44	0.16	< 20	4	< 2	< 10	71	< 10	6	8
1095874	0.305	0.038	0.28	< 2	13	47	0.19	< 20	2	< 2	< 10	111	< 10	9	6
1095875	0.161	0.061	0.47	2	10	39	0.14	< 20	2	< 2	< 10	84	< 10	8	9
1095876	0.175	0.054	0.18	< 2	6	56	0.15	< 20	2	< 2	< 10	62	< 10	6	6
1095877	0.290	0.047	1.26	< 2	11	77	0.16	< 20	3	< 2	< 10	107	< 10	5	18
1095878	0.329	0.049	1.12	< 2	6	105	0.16	< 20	2	< 2	< 10	62	< 10	5	12
1095879	0.268	0.059	0.60	< 2	7	76	0.17	< 20	1	< 2	< 10	64	< 10	6	12
1095881	0.191	0.054	0.25	< 2	7	37	0.16	< 20	< 1	< 2	< 10	62	< 10	5	14
1095882	0.210	0.054	0.29	< 2	7	56	0.14	< 20	2	< 2	< 10	64	< 10	5	15
1095883	0.165	0.052	0.06	< 2	7	56	0.09	< 20	2	< 2	< 10	51	< 10	5	11
1095884	0.093	0.045	1.02	< 2	6	108	0.02	< 20	2	< 2	< 10	28	< 10	6	11
1095885	0.091	0.045	0.97	< 2	6	104	0.02	< 20	3	< 2	< 10	28	< 10	6	11
1095886	0.152	0.043	0.42	< 2	7	57	0.08	< 20	1	< 2	< 10	55	< 10	5	12
1095887	0.183	0.045	0.16	< 2	6	37	0.08	< 20	2	< 2	< 10	56	< 10	4	11
1095888	0.243	0.038	0.02	< 2	7	29	0.11	< 20	< 1	< 2	< 10	61	< 10	5	16



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095889	0.337	0.037	0.15	< 2	5	64	0.08	< 20	2	< 2	< 10	50	< 10	3	9
1095890	0.082	0.038	0.04	< 2	4	47	0.12	< 20	1	< 2	< 10	27	< 10	11	7
1095891	0.239	0.038	0.07	< 2	6	30	0.12	< 20	2	< 2	< 10	62	< 10	3	17
1095892	0.196	0.039	0.18	< 2	8	23	0.12	< 20	1	< 2	< 10	73	< 10	4	16
1095893	0.430	0.040	0.29	< 2	6	69	0.13	< 20	1	< 2	< 10	58	< 10	4	12
1095894	0.269	0.039	0.16	< 2	7	51	0.12	< 20	< 1	< 2	< 10	64	< 10	4	17
1095895	0.437	0.041	0.08	< 2	7	83	0.14	< 20	< 1	< 2	< 10	68	< 10	3	18
1095896	0.444	0.041	0.92	< 2	7	94	0.12	< 20	< 1	< 2	< 10	65	< 10	4	17
1095897	0.554	0.048	0.41	< 2	8	126	0.13	< 20	2	< 2	< 10	78	< 10	4	10
1095898	0.520	0.044	0.60	< 2	7	113	0.12	< 20	2	< 2	< 10	69	< 10	3	11
1095899	0.134	0.041	0.19	< 2	8	19	0.13	< 20	2	< 2	< 10	79	< 10	4	18
1095901	0.077	0.041	0.07	< 2	11	8	0.11	< 20	< 1	< 2	< 10	87	< 10	3	14
1095902	0.086	0.047	0.20	< 2	10	12	0.14	< 20	3	< 2	< 10	93	< 10	4	18
1095903	0.136	0.040	0.52	< 2	7	16	0.13	< 20	< 1	< 2	< 10	79	< 10	3	20
1095904	0.131	0.043	0.48	< 2	5	19	0.09	< 20	< 1	< 2	< 10	67	< 10	4	19
1095905	0.117	0.042	0.05	< 2	6	21	0.09	< 20	< 1	< 2	< 10	74	< 10	3	16
1095906	0.288	0.035	0.08	< 2	12	46	0.13	< 20	2	< 2	< 10	103	< 10	6	6
1095907	0.216	0.041	0.04	< 2	6	29	0.12	< 20	< 1	< 2	< 10	69	< 10	4	14
1095908	0.390	0.042	0.02	< 2	5	52	0.11	< 20	2	< 2	< 10	53	< 10	3	11
1095909	0.283	0.044	0.04	< 2	6	46	0.15	< 20	1	< 2	< 10	62	< 10	3	12
1095910	0.079	0.039	0.04	< 2	3	44	0.11	< 20	4	< 2	< 10	26	< 10	10	6
1095911	0.239	0.037	0.11	< 2	9	25	0.16	< 20	3	< 2	< 10	86	< 10	5	12
1095912	0.183	0.048	0.03	< 2	6	8	0.15	< 20	3	< 2	< 10	77	< 10	3	13
1095913	0.161	0.050	< 0.01	< 2	5	6	0.13	< 20	1	< 2	< 10	73	< 10	3	12
1095914	0.118	0.025	0.03	< 2	5	12	0.19	< 20	2	< 2	< 10	40	< 10	8	5
1095915	0.382	0.017	0.15	< 2	12	51	0.13	< 20	< 1	< 2	< 10	81	< 10	5	1
1095916	0.387	0.024	0.05	< 2	11	83	0.15	< 20	< 1	< 2	< 10	78	< 10	5	2
1095917	0.384	0.025	0.16	< 2	15	68	0.18	< 20	1	< 2	< 10	128	< 10	7	2
1095918	0.384	0.026	0.12	< 2	14	79	0.20	< 20	3	< 2	< 10	115	< 10	8	2
1095919	0.232	0.033	0.14	< 2	13	16	0.15	< 20	< 1	< 2	< 10	109	< 10	7	3
1095920	0.112	0.037	0.09	2	4	47	0.11	< 20	2	< 2	< 10	35	< 10	10	6
1095921	0.325	0.051	0.11	2	19	10	0.20	< 20	1	< 2	< 10	177	< 10	15	4
1095922	0.288	0.044	0.06	< 2	17	7	0.17	< 20	2	< 2	< 10	155	< 10	12	4
1095923	0.241	0.046	0.45	< 2	16	61	0.15	< 20	< 1	< 2	< 10	167	< 10	13	5
1095924	0.240	0.060	0.43	< 2	16	7	0.16	< 20	< 1	< 2	< 10	115	< 10	14	5
1095925	0.248	0.057	0.43	< 2	16	8	0.17	< 20	5	< 2	< 10	115	< 10	15	5
1095926	0.276	0.037	0.05	2	17	7	0.20	< 20	5	< 2	< 10	234	< 10	11	4
1095927	0.236	0.042	0.26	< 2	21	13	0.18	< 20	3	< 2	< 10	358	< 10	13	4
1095928	0.326	0.037	0.45	< 2	23	17	0.19	< 20	< 1	< 2	< 10	330	< 10	12	4
1095929	0.374	0.032	0.36	2	24	14	0.20	< 20	< 1	< 2	< 10	321	< 10	11	3
1095930	0.080	0.039	0.04	< 2	4	46	0.11	< 20	3	< 2	< 10	28	< 10	10	5
1095931	0.347	0.036	0.21	< 2	24	7	0.19	< 20	3	< 2	< 10	303	< 10	12	3
1095932	0.364	0.029	0.27	< 2	25	16	0.22	< 20	3	< 2	< 10	396	< 10	11	3
1095933	0.316	0.031	0.15	3	25	11	0.23	< 20	< 1	< 2	< 10	452	< 10	11	3
1095934	0.261	0.027	0.54	3	23	29	0.22	< 20	4	< 2	< 10	409	< 10	10	3
1095935	0.258	0.025	0.22	4	26	16	0.23	< 20	< 1	< 2	< 10	465	< 10	10	3
1095936	0.266	0.027	0.12	< 2	19	17	0.22	< 20	5	< 2	< 10	364	< 10	8	3
1095937	0.308	0.025	0.20	< 2	23	8	0.22	< 20	5	< 2	< 10	436	< 10	8	3
1095938	0.321	0.021	0.14	< 2	21	12	0.29	< 20	3	< 2	< 10	364	< 10	8	3
1095939	0.203	0.076	0.04	< 2	17	9	0.17	< 20	< 1	< 2	< 10	169	< 10	22	6
1095941	0.261	0.021	0.16	< 2	24	14	0.22	< 20	2	< 2	< 10	469	< 10	8	3

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095942	0.130	0.045	0.04	< 2	8	39	0.12	< 20	< 1	< 2	< 10	80	< 10	5	10
1095943	0.163	0.050	0.02	< 2	6	32	0.11	< 20	2	< 2	< 10	66	< 10	4	12
1095944	0.154	0.045	0.03	< 2	8	28	0.13	< 20	< 1	< 2	< 10	85	< 10	5	12
1095945	0.209	0.048	0.14	< 2	9	56	0.17	< 20	< 1	< 2	< 10	88	< 10	5	11
1095946	0.264	0.046	0.12	< 2	8	69	0.13	< 20	2	< 2	< 10	71	< 10	4	16
1095947	0.274	0.047	0.05	< 2	5	83	0.14	< 20	2	< 2	< 10	57	< 10	4	21
1095948	0.199	0.049	0.04	< 2	8	34	0.12	< 20	2	< 2	< 10	89	< 10	5	11
1095949	0.157	0.042	0.09	< 2	7	42	0.11	< 20	< 1	< 2	< 10	68	< 10	5	19
1095950	0.113	0.038	0.10	3	4	47	0.11	< 20	3	< 2	< 10	35	< 10	10	7
1095951	0.325	0.046	0.34	< 2	10	132	0.18	< 20	3	< 2	< 10	108	< 10	5	12
1095952	0.225	0.051	0.08	< 2	8	30	0.14	< 20	< 1	< 2	< 10	91	< 10	4	19
1095953	0.219	0.048	0.04	< 2	7	44	0.13	< 20	3	< 2	< 10	70	< 10	4	16
1095954	0.161	0.088	0.23	< 2	5	35	0.19	< 20	4	< 2	< 10	53	< 10	5	12
1095955	0.200	0.060	0.21	< 2	8	58	0.15	< 20	2	< 2	< 10	88	< 10	6	12
1095956	0.303	0.036	0.19	< 2	19	52	0.13	< 20	2	< 2	< 10	158	< 10	11	2
1095957	0.365	0.036	0.18	2	20	105	0.12	< 20	< 1	< 2	< 10	163	< 10	10	2
1095958	0.346	0.032	0.03	< 2	16	45	0.13	< 20	< 1	< 2	< 10	132	17	9	2
1095959	0.207	0.034	0.16	< 2	21	26	0.08	< 20	2	< 2	< 10	145	< 10	12	3
1095961	0.215	0.044	0.27	2	23	18	0.12	< 20	< 1	< 2	< 10	211	< 10	15	4
1095962	0.290	0.049	0.11	< 2	23	12	0.16	< 20	3	< 2	< 10	235	< 10	17	4
1095963	0.319	0.054	0.49	3	21	13	0.19	< 20	< 1	< 2	< 10	195	< 10	19	4
1095964	0.239	0.083	0.18	3	19	15	0.14	< 20	2	< 2	< 10	86	< 10	25	6
1095965	0.224	0.083	0.18	2	18	15	0.13	< 20	< 1	< 2	< 10	80	< 10	25	6
1095966	0.276	0.030	0.07	< 2	20	9	0.15	< 20	2	< 2	< 10	165	< 10	11	2
1095967	0.284	0.057	0.16	< 2	18	20	0.17	< 20	2	< 2	< 10	154	< 10	16	4
1095968	0.318	0.034	0.34	< 2	21	12	0.19	< 20	5	< 2	< 10	202	< 10	11	3
1095969	0.020	0.114	0.06	6	< 1	15	0.01	< 20	4	< 2	< 10	23	< 10	8	5
1095970	0.078	0.039	0.04	< 2	4	46	0.11	< 20	4	< 2	< 10	26	< 10	10	5
1095971	0.257	0.027	0.73	< 2	15	47	0.17	< 20	1	< 2	< 10	124	< 10	8	2
1095972	0.117	0.042	0.99	3	13	47	0.18	< 20	1	< 2	< 10	152	< 10	7	7
1095973	0.384	0.075	0.14	< 2	6	171	0.22	< 20	2	< 2	< 10	81	< 10	6	19
1095974	0.335	0.080	0.02	< 2	10	136	0.15	< 20	2	< 2	< 10	84	23	5	18
1095975	0.194	0.055	0.98	< 2	11	30	0.18	< 20	4	< 2	< 10	108	< 10	8	16
1095976	0.216	0.052	0.25	< 2	9	45	0.14	< 20	2	< 2	< 10	83	< 10	7	16
1095977	0.293	0.052	0.76	< 2	8	78	0.13	< 20	3	< 2	< 10	88	< 10	5	17
1095978	0.219	0.052	1.14	< 2	9	57	0.15	< 20	4	< 2	< 10	93	< 10	6	22
1095979	0.267	0.056	0.96	2	6	91	0.16	< 20	2	< 2	< 10	65	< 10	6	26
1095980	0.115	0.038	0.10	3	4	49	0.12	< 20	3	< 2	< 10	36	< 10	10	7
1095981	0.185	0.058	0.29	< 2	7	46	0.16	< 20	3	< 2	< 10	64	< 10	5	23
1095982	0.233	0.059	0.10	< 2	6	39	0.15	< 20	5	< 2	< 10	62	< 10	5	16
1095983	0.203	0.057	0.21	< 2	7	54	0.14	< 20	3	< 2	< 10	62	< 10	6	18
1095984	0.234	0.056	0.08	< 2	6	46	0.15	< 20	1	< 2	< 10	57	< 10	6	12
1095985	0.179	0.053	0.29	< 2	8	49	0.11	< 20	3	< 2	< 10	71	< 10	6	13
1095986	0.214	0.043	0.65	< 2	9	39	0.14	< 20	< 1	< 2	< 10	94	< 10	5	14
1095987	0.257	0.057	0.15	< 2	19	27	0.20	< 20	3	< 2	< 10	197	< 10	17	5
1095988	0.157	0.077	0.03	3	17	14	0.16	< 20	4	< 2	< 10	109	< 10	25	6
1095989	0.155	0.102	< 0.01	3	18	15	0.13	< 20	2	< 2	< 10	67	< 10	32	6

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.3	< 0.5	68	1020	< 1	23	92	117	6.92	207	< 10	804	0.7	< 2	0.15	13	75	5.41	20	< 1	1.09	10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	66	1010	1	23	91	116	6.69	199	< 10	784	0.7	< 2	0.15	13	74	5.34	20	< 1	1.08	< 10	0.37
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	71	1040	2	24	94	119	7.25	251	< 10	747	0.8	3	0.13	13	76	5.86	20	2	1.09	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	68	1060	1	24	96	121	7.32	217	< 10	834	0.8	2	0.15	13	77	5.63	20	3	1.09	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	66	1000	2	22	90	121	7.17	198	< 10	841	0.9	2	0.15	14	71	5.30	10	< 1	1.06	< 10	0.39
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1030	2	23	92	124	7.27	211	< 10	766	0.9	3	0.13	14	74	5.44	10	2	1.08	< 10	0.40
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1050	1	24	94	121	6.98	205	< 10	822	0.9	< 2	0.14	12	76	5.59	20	2	1.09	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.3	< 0.5	68	1040	1	25	94	121	7.01	211	< 10	829	0.9	< 2	0.14	11	77	5.58	20	1	1.09	< 10	0.38
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 98 (Aqua Regia) Meas	32.7		> 10000				217	1000						< 2		92							
OREAS 98 (Aqua Regia) Cert	42.8		14700 0.0				343	1302						92.8		111							
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2290	773	< 1	35	57	251	2.91	6		80	0.6	3	0.41	19	45	5.05	< 10		0.49	36	1.30
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	1.1	< 0.5	2280	765	< 1	37	59	254	2.86	6		79	0.6	4	0.41	20	44	5.08	< 10		0.50	34	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2210	760	< 1	36	56	249	2.92	6		74	0.7	9	0.40	19	43	5.18	< 10		0.44	37	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2250	779	< 1	36	61	255	3.02	7		77	0.7	9	0.41	19	45	5.25	< 10		0.46	38	1.34
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2200	775	< 1	33	59	262	3.07	6		83	0.8	10	0.43	19	43	5.03	< 10		0.48	40	1.37
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2180	778	1	33	57	257	3.08	6		84	0.8	8	0.43	19	44	5.07	< 10		0.48	40	1.39
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2230	775	< 1	36	60	255	2.87	5		76	0.7	9	0.38	18	44	5.25	< 10		0.46	35	1.32

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas																							
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2240	782	< 1	37	65	263	2.92	4		78	0.7	9	0.39	19	46	5.28	< 10		0.46	36	1.35
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	2.1	< 0.5	4390	874	< 1	33	76	318	2.90	6		55	0.5	7	0.41	22	41	5.83	< 10		0.41	32	1.38
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.8	< 0.5	4450	876	< 1	33	79	328	2.87	8		62	0.5	17	0.42	22	41	5.87	< 10		0.42	32	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.6	< 0.5	4380	881	< 1	34	81	326	3.01	7		65	0.7	20	0.41	22	40	6.03	< 10		0.40	36	1.42
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4390	872	< 1	31	78	323	3.01	7		68	0.7	22	0.41	21	39	5.98	< 10		0.42	36	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.5	< 0.5	4320	861	1	32	79	346	3.07	9		65	0.7	17	0.43	22	39	5.83	< 10		0.41	37	1.47
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4470	874	< 1	31	84	335	2.88	7		62	0.6	22	0.38	21	41	5.99	< 10		0.39	33	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4450	877	< 1	33	81	332	2.86	7		63	0.6	23	0.38	21	41	5.96	< 10		0.39	32	1.41
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	9.9		> 10000				79	387						< 2		45							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	67.7	288	3650	537	13	23	> 5000	> 10000	1.83	77			< 0.5	< 2	1.67	30	28	3.44	< 10	4	0.38	19	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua	68.0	290	3640	529	13	28	> 5000	> 10000	1.78	77			< 0.5	< 2	1.64	30	30	3.42	< 10	4	0.38	17	0.43

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	63.0	275	3390	511	12	26	> 5000	> 10000	1.72	71			0.5	9	1.58	28	31	3.19	< 10	4	0.35	20	0.40
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.7	281	3470	522	13	24	> 5000	> 10000	1.78	73			0.6	9	1.63	31	27	3.27	< 10	4	0.36	20	0.41
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	64.1	274	3480	526	14	25	> 5000	> 10000	1.86	72			0.6	< 2	1.70	29	32	3.25	< 10	4	0.37	21	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.2	285	3670	540	14	25	> 5000	> 10000	1.88	74			0.6	5	1.71	30	31	3.35	< 10	4	0.37	20	0.46
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.1	298	3570	545	13	26	> 5000	> 10000	1.73	76			0.6	6	1.57	29	32	3.40	< 10	4	0.36	18	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	67.6	301	3540	539	12	24	> 5000	> 10000	1.68	76			0.5	3	1.56	30	28	3.32	< 10	4	0.35	17	0.42
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
OREAS 45f (Aqua Regia) Meas			333	166	< 1	231	8	27	7.33			138	0.8	< 2	0.07	38	324	13.0	20	2	0.10	11	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			338	156	< 1	229	7	28	6.86			132	0.8	< 2	0.07	39	327	13.1	20	2	0.10	10	0.16
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			342	171	1	220	13	27	7.85			137	1.0	< 2	0.07	40	323	13.7	20	< 1	0.10	11	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			353	175	1	229	11	28	8.00			141	1.1	2	0.07	41	335	14.3	20	< 1	0.11	11	0.19
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			353	171	< 1	232	10	26	7.25			139	1.0	4	0.07	35	343	14.3	20	< 1	0.10	< 10	0.17
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
OREAS 45f (Aqua Regia) Meas			357	170	< 1	233	17	26	7.24			139	1.0	3	0.07	38	345	14.4	20	< 1	0.10	< 10	0.18
OREAS 45f (Aqua Regia) Cert			336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	0.152
1095526 Orig	< 0.2	< 0.5	1	232	1	< 1	4	17	0.75	< 2	< 10	82	< 0.5	< 2	0.52	1	4	0.78	< 10	< 1	0.30	61	0.21
1095526 Dup	< 0.2	< 0.5	1	229	1	< 1	3	17	0.75	< 2	< 10	83	< 0.5	< 2	0.50	1	4	0.76	< 10	< 1	0.30	59	0.21
1095549 Orig	< 0.2	< 0.5	70	854	< 1	11	< 2	54	2.15	< 2	< 10	18	< 0.5	< 2	2.77	28	6	7.36	< 10	2	0.06	< 10	1.22
1095549 Dup	< 0.2	< 0.5	71	862	< 1	12	< 2	55	2.21	< 2	< 10	18	< 0.5	< 2	2.80	27	6	7.53	< 10	1	0.06	< 10	1.26
1095563 Orig	< 0.2	< 0.5	98	671	< 1	59	< 2	47	2.35	< 2	< 10	31	< 0.5	< 2	3.02	31	57	4.86	< 10	< 1	0.16	< 10	2.03
1095563 Dup	< 0.2	< 0.5	100	696	< 1	60	< 2	49	2.44	< 2	< 10	32	< 0.5	< 2	3.12	31	59	5.06	< 10	< 1	0.17	< 10	2.10

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095575 Orig	< 0.2	< 0.5	68	444	< 1	48	< 2	41	1.73	< 2	< 10	13	< 0.5	< 2	2.70	19	74	3.31	< 10	< 1	0.06	< 10	1.48
1095575 Split PREP DUP	< 0.2	< 0.5	67	441	< 1	47	< 2	40	1.70	< 2	< 10	13	< 0.5	< 2	2.66	18	73	3.27	< 10	< 1	0.06	< 10	1.46
1095575 Split PREP DUP	< 0.2	< 0.5	67	441	< 1	47	< 2	40	1.70	< 2	< 10	13	< 0.5	< 2	2.66	18	73	3.27	< 10	< 1	0.06	< 10	1.46
1095589 Orig	< 0.2	< 0.5	55	617	< 1	55	2	46	2.51	< 2	< 10	116	< 0.5	< 2	4.11	18	93	3.58	< 10	< 1	0.24	12	1.44
1095589 Dup	< 0.2	< 0.5	55	630	< 1	55	< 2	47	2.56	< 2	< 10	117	< 0.5	< 2	4.18	20	94	3.65	< 10	< 1	0.25	12	1.46
1095605 Orig	< 0.2	< 0.5	31	599	1	45	8	66	3.69	< 2	< 10	183	< 0.5	< 2	3.86	14	99	2.86	< 10	< 1	0.98	31	1.36
1095605 Dup	< 0.2	< 0.5	31	595	1	44	7	65	3.67	< 2	< 10	186	< 0.5	< 2	3.86	13	98	2.81	< 10	< 1	0.98	31	1.34
1095619 Orig	< 0.2	< 0.5	85	708	< 1	67	< 2	65	2.70	< 2	< 10	109	< 0.5	< 2	2.84	26	98	4.53	< 10	< 1	0.15	12	2.25
1095619 Dup	< 0.2	< 0.5	85	706	< 1	67	< 2	66	2.71	< 2	< 10	108	< 0.5	< 2	2.84	26	98	4.49	< 10	< 1	0.14	12	2.25
1095625 Orig	< 0.2	< 0.5	185	354	< 1	34	< 2	33	1.64	< 2	< 10	149	< 0.5	< 2	0.94	16	74	2.21	< 10	< 1	0.28	12	1.35
1095625 Split PREP DUP	< 0.2	< 0.5	162	314	< 1	30	< 2	31	1.60	< 2	< 10	158	< 0.5	< 2	0.92	13	68	1.98	< 10	< 1	0.30	12	1.24
1095631 Orig	< 0.2	< 0.5	65	327	< 1	34	< 2	30	2.33	< 2	< 10	133	< 0.5	< 2	1.31	17	72	2.55	< 10	< 1	0.27	< 10	1.64
1095631 Dup	< 0.2	< 0.5	62	317	< 1	32	< 2	28	2.24	< 2	< 10	128	< 0.5	< 2	1.26	17	70	2.43	< 10	< 1	0.26	< 10	1.58
1095645 Orig	< 0.2	< 0.5	49	738	< 1	4	< 2	38	2.18	< 2	< 10	35	< 0.5	< 2	3.09	34	2	6.63	< 10	3	0.04	< 10	1.23
1095645 Dup	< 0.2	< 0.5	49	738	< 1	5	< 2	38	2.19	< 2	< 10	36	< 0.5	< 2	3.10	34	2	6.64	< 10	1	0.05	< 10	1.23
1095668 Orig	< 0.2	< 0.5	143	859	< 1	21	< 2	68	2.19	2	< 10	66	< 0.5	< 2	4.04	38	5	7.90	< 10	< 1	0.09	11	1.57
1095668 Dup	< 0.2	< 0.5	144	885	< 1	22	< 2	68	2.26	2	< 10	66	< 0.5	< 2	4.11	39	5	8.08	< 10	2	0.10	11	1.58
1095675 Orig	< 0.2	< 0.5	159	852	< 1	16	< 2	57	2.52	< 2	< 10	< 10	< 0.5	< 2	3.52	41	3	8.44	< 10	< 1	0.06	< 10	1.75
1095675 Split PREP DUP	< 0.2	< 0.5	161	861	< 1	18	< 2	58	2.54	< 2	< 10	< 10	< 0.5	< 2	3.55	42	3	8.53	< 10	1	0.06	< 10	1.77
1095681 Orig	< 0.2	< 0.5	18	641	< 1	38	< 2	48	2.50	< 2	< 10	154	< 0.5	< 2	1.67	18	59	3.82	< 10	< 1	0.71	12	1.55
1095681 Dup	< 0.2	< 0.5	18	646	< 1	38	< 2	48	2.50	< 2	< 10	156	< 0.5	< 2	1.68	17	59	3.86	< 10	< 1	0.72	13	1.57
1095691 Orig	< 0.2	< 0.5	59	413	< 1	78	2	58	2.03	< 2	< 10	186	< 0.5	< 2	1.26	18	189	2.93	< 10	< 1	0.69	< 10	1.81
1095691 Dup	< 0.2	< 0.5	59	420	< 1	78	2	58	2.05	< 2	< 10	188	< 0.5	< 2	1.28	17	190	2.95	< 10	< 1	0.69	< 10	1.83
1095694 Orig	< 0.2	< 0.5	110	586	< 1	69	< 2	49	2.49	< 2	< 10	40	< 0.5	< 2	2.70	35	60	5.74	< 10	1	0.16	< 10	2.15
1095694 Dup	< 0.2	< 0.5	109	564	< 1	68	< 2	50	2.41	< 2	< 10	39	< 0.5	< 2	2.60	35	57	5.58	< 10	1	0.16	< 10	2.09
1095708 Orig	0.3	< 0.5	86	976	< 1	20	< 2	50	2.59	< 2	< 10	< 10	< 0.5	< 2	3.90	31	5	7.53	< 10	2	0.06	< 10	1.60
1095708 Dup	0.3	< 0.5	87	980	< 1	20	< 2	52	2.61	< 2	< 10	< 10	< 0.5	3	3.93	32	5	7.58	< 10	2	0.06	< 10	1.61
1095724 Orig	< 0.2	< 0.5	284	756	< 1	65	< 2	88	3.41	< 2	< 10	123	< 0.5	< 2	3.00	30	77	4.80	< 10	2	0.51	< 10	1.39
1095724 Dup	< 0.2	< 0.5	281	753	< 1	64	< 2	89	3.38	< 2	< 10	115	< 0.5	< 2	2.98	31	77	4.78	< 10	1	0.51	< 10	1.38
1095726 Orig	< 0.2	< 0.5	147	807	< 1	65	< 2	63	3.42	< 2	< 10	< 10	< 0.5	< 2	3.89	25	76	3.68	< 10	< 1	0.04	< 10	1.21
1095726 Split PREP DUP	< 0.2	< 0.5	142	862	< 1	67	< 2	67	3.53	< 2	< 10	< 10	< 0.5	< 2	4.08	26	80	3.88	< 10	1	0.04	< 10	1.28
1095737 Orig	0.3	< 0.5	89	827	1	176	4	113	3.90	< 2	< 10	229	< 0.5	< 2	4.69	43	147	4.59	< 10	3	0.75	13	2.04
1095737 Dup	0.2	< 0.5	88	826	2	175	4	114	3.89	< 2	< 10	226	< 0.5	< 2	4.68	42	147	4.54	< 10	< 1	0.75	13	2.03
1095750 Orig	< 0.2	< 0.5	19	668	4	7	< 2	36	1.33	2	< 10	64	< 0.5	< 2	1.16	5	14	2.60	< 10	< 1	0.10	< 10	0.47
1095750 Dup	< 0.2	< 0.5	20	671	4	6	< 2	36	1.34	< 2	< 10	65	< 0.5	< 2	1.17	5	14	2.62	< 10	< 1	0.10	< 10	0.48
1095764 Orig	< 0.2	< 0.5	33	498	< 1	36	< 2	70	2.11	< 2	< 10	191	< 0.5	< 2	1.36	15	70	2.32	< 10	< 1	0.41	< 10	1.28
1095764 Dup	< 0.2	< 0.5	32	493	< 1	35	< 2	69	2.10	< 2	< 10	190	< 0.5	< 2	1.35	15	69	2.31	< 10	< 1	0.41	< 10	1.27
1095775 Orig	< 0.2	< 0.5	68	347	< 1	45	< 2	37	2.35	< 2	< 10	117	< 0.5	< 2	0.55	20	119	3.42	< 10	< 1	0.29	< 10	2.19
1095775 Split PREP DUP	< 0.2	< 0.5	72	350	< 1	46	< 2	38	2.38	< 2	< 10	120	< 0.5	< 2	0.53	20	121	3.51	< 10	< 1	0.29	< 10	2.24
1095786 Orig	< 0.2	< 0.5	4	601	< 1	40	< 2	34	3.15	< 2	< 10	132	< 0.5	< 2	0.21	20	90	3.98	10	< 1	0.80	< 10	2.87
1095786 Dup	< 0.2	< 0.5	4	600	< 1	40	< 2	34	3.16	< 2	< 10	132	< 0.5	< 2	0.21	21	90	4.00	10	< 1	0.81	< 10	2.88
1095800 Orig	0.7	0.7	117	715	7	12	91	149	1.37	39	< 10	88	< 0.5	< 2	1.08	7	25	2.88	< 10	< 1	0.12	< 10	0.54
1095800 Dup	0.6	0.7	119	709	6	12	88	149	1.35	40	< 10	88	< 0.5	< 2	1.07	6	24	2.86	< 10	< 1	0.12	< 10	0.53
1095813 Orig	< 0.2	< 0.5	121	759	< 1	16	< 2	59	2.51	< 2	< 10	16	< 0.5	< 2	3.83	37	3	7.31	< 10	1	0.06	< 10	1.63
1095813 Dup	< 0.2	< 0.5	121	754	< 1	17	< 2	59	2.49	< 2	< 10	16	< 0.5	< 2	3.82	38	4	7.30	< 10	3	0.06	< 10	1.61
1095825 Orig	< 0.2	< 0.5	24	369	< 1	21	< 2	35	2.26	< 2	< 10	144	< 0.5	< 2	1.64	10	41	2.05	< 10	< 1	0.57	14	0.92
1095825 Split	< 0.2	< 0.5	27	355	< 1	21	< 2	35	2.12	< 2	< 10	151	< 0.5	< 2	1.57	10	39	2.02	< 10	< 1	0.56	14	0.90

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP																							
1095826 Orig	< 0.2	< 0.5	39	524	< 1	31	< 2	37	2.23	< 2	< 10	149	< 0.5	< 2	1.75	15	52	3.00	< 10	< 1	0.57	10	1.23
1095826 Dup	< 0.2	< 0.5	39	530	< 1	32	< 2	38	2.26	< 2	< 10	152	< 0.5	< 2	1.77	16	52	2.98	< 10	< 1	0.59	10	1.26
1095831 Orig	< 0.2	< 0.5	52	751	< 1	38	< 2	40	2.06	< 2	< 10	166	< 0.5	< 2	1.57	18	67	3.28	< 10	< 1	0.65	< 10	1.34
1095831 Dup	< 0.2	< 0.5	50	722	< 1	37	< 2	40	1.98	< 2	< 10	162	< 0.5	< 2	1.51	16	65	3.18	< 10	< 1	0.63	< 10	1.30
1095841 Orig	< 0.2	< 0.5	27	487	1	102	< 2	41	2.11	< 2	< 10	99	< 0.5	< 2	2.03	22	230	3.20	< 10	< 1	0.42	< 10	2.24
1095841 Dup	< 0.2	< 0.5	26	484	1	102	< 2	39	2.10	< 2	< 10	98	< 0.5	< 2	2.01	21	226	3.12	< 10	< 1	0.42	< 10	2.23
1095842 Orig	< 0.2	< 0.5	82	372	< 1	70	< 2	40	2.68	< 2	< 10	235	< 0.5	< 2	1.86	16	171	2.72	< 10	< 1	0.93	12	1.71
1095842 Dup	< 0.2	< 0.5	80	375	< 1	70	< 2	40	2.68	< 2	< 10	235	< 0.5	< 2	1.87	18	172	2.71	< 10	< 1	0.93	13	1.70
1095856 Orig	< 0.2	< 0.5	25	707	< 1	14	< 2	34	1.80	< 2	< 10	< 10	< 0.5	< 2	2.76	22	6	4.45	< 10	< 1	0.06	< 10	1.32
1095856 Dup	< 0.2	< 0.5	25	697	< 1	14	< 2	34	1.79	< 2	< 10	< 10	< 0.5	< 2	2.76	22	6	4.42	< 10	< 1	0.06	< 10	1.31
1095869 Orig	< 0.2	< 0.5	29	597	< 1	62	2	53	5.94	< 2	< 10	146	0.6	< 2	4.77	16	123	2.84	10	< 1	1.32	25	1.48
1095869 Dup	< 0.2	< 0.5	30	600	< 1	63	< 2	54	6.00	< 2	< 10	149	0.6	< 2	4.80	16	124	2.87	10	< 1	1.33	25	1.50
1095875 Orig	< 0.2	< 0.5	58	697	< 1	65	< 2	55	1.89	< 2	< 10	149	< 0.5	< 2	2.86	22	87	3.47	< 10	< 1	0.70	26	1.76
1095875 Split PREP DUP	< 0.2	< 0.5	57	698	< 1	64	3	55	1.91	< 2	< 10	155	< 0.5	< 2	2.87	20	87	3.47	< 10	< 1	0.70	26	1.78
1095881 Orig	< 0.2	< 0.5	52	486	< 1	38	< 2	174	2.01	< 2	< 10	299	< 0.5	< 2	0.87	15	119	2.56	< 10	< 1	1.11	27	1.81
1095881 Dup	< 0.2	< 0.5	52	487	< 1	38	< 2	178	2.05	< 2	< 10	369	< 0.5	< 2	0.87	16	119	2.60	< 10	< 1	1.13	27	1.85
1095882 Orig	< 0.2	< 0.5	63	562	< 1	56	2	112	2.21	< 2	< 10	282	< 0.5	< 2	1.62	18	123	2.97	< 10	< 1	0.86	21	1.87
1095882 Dup	< 0.2	< 0.5	63	558	< 1	56	< 2	113	2.23	< 2	< 10	358	< 0.5	< 2	1.61	18	122	2.97	< 10	< 1	0.86	21	1.87
1095901 Orig	< 0.2	< 0.5	12	604	< 1	43	< 2	42	2.81	< 2	< 10	145	< 0.5	< 2	0.31	22	102	4.38	10	2	0.44	< 10	2.63
1095901 Dup	< 0.2	< 0.5	12	602	< 1	43	< 2	41	2.82	< 2	< 10	145	< 0.5	< 2	0.31	21	101	4.40	10	2	0.44	< 10	2.64
1095905 Orig	< 0.2	< 0.5	17	299	< 1	40	< 2	27	2.41	< 2	< 10	106	< 0.5	< 2	0.58	16	157	3.08	< 10	< 1	0.25	< 10	2.12
1095905 Dup	< 0.2	< 0.5	18	296	< 1	41	< 2	28	2.43	< 2	< 10	108	< 0.5	< 2	0.59	17	158	3.10	< 10	< 1	0.25	< 10	2.14
1095919 Orig	< 0.2	< 0.5	58	515	< 1	25	< 2	37	1.61	< 2	< 10	< 10	< 0.5	< 2	2.50	19	21	3.34	< 10	< 1	0.03	< 10	1.34
1095919 Dup	< 0.2	< 0.5	57	504	< 1	25	< 2	36	1.57	< 2	< 10	< 10	< 0.5	< 2	2.48	21	21	3.23	< 10	< 1	0.03	< 10	1.30
1095926 Orig	< 0.2	< 0.5	87	696	< 1	20	< 2	44	1.56	< 2	< 10	< 10	< 0.5	2	2.21	22	6	5.37	< 10	2	0.04	< 10	1.34
1095926 Split PREP DUP	< 0.2	< 0.5	82	669	< 1	16	< 2	43	1.52	< 2	< 10	< 10	< 0.5	< 2	2.16	21	6	5.24	< 10	2	0.04	< 10	1.32
1095931 Orig	< 0.2	< 0.5	121	728	< 1	18	< 2	60	2.21	< 2	< 10	71	< 0.5	< 2	2.57	33	6	6.45	< 10	2	0.14	< 10	1.55
1095931 Dup	< 0.2	< 0.5	122	749	< 1	18	< 2	60	2.20	< 2	< 10	73	< 0.5	< 2	2.57	33	6	6.49	< 10	< 1	0.14	< 10	1.54
1095941 Orig	< 0.2	0.6	158	769	< 1	16	< 2	61	2.26	< 2	< 10	12	< 0.5	3	3.04	44	2	8.32	< 10	< 1	0.05	< 10	1.77
1095941 Dup	< 0.2	< 0.5	149	756	< 1	14	< 2	60	2.18	< 2	< 10	12	< 0.5	< 2	2.99	44	2	8.01	< 10	2	0.05	< 10	1.71
1095945 Orig	< 0.2	< 0.5	72	753	< 1	66	< 2	50	2.48	< 2	< 10	182	< 0.5	< 2	2.53	21	109	3.18	< 10	< 1	0.87	< 10	1.67
1095945 Dup	0.2	< 0.5	69	758	< 1	66	< 2	49	2.53	< 2	< 10	185	< 0.5	< 2	2.57	21	110	3.27	< 10	< 1	0.90	< 10	1.70
1095963 Orig	< 0.2	< 0.5	81	1010	< 1	12	< 2	69	2.36	3	< 10	11	< 0.5	6	2.85	27	5	8.13	< 10	2	0.05	< 10	1.35
1095963 Dup	< 0.2	< 0.5	78	990	< 1	10	< 2	68	2.29	< 2	< 10	12	< 0.5	2	2.80	27	5	7.89	< 10	< 1	0.05	< 10	1.31
1095975 Orig	0.2	< 0.5	97	581	1	79	2	63	2.17	< 2	< 10	21	< 0.5	< 2	1.90	27	108	3.99	< 10	< 1	0.80	17	1.82
1095975 Split PREP DUP	0.3	< 0.5	96	580	< 1	80	2	63	2.13	< 2	< 10	27	< 0.5	< 2	1.89	29	105	3.94	< 10	< 1	0.80	17	1.80
1095976 Orig	< 0.2	< 0.5	45	491	< 1	51	2	62	1.95	< 2	< 10	228	< 0.5	< 2	1.70	18	84	2.98	< 10	< 1	0.77	20	1.52
1095976 Dup	< 0.2	< 0.5	46	506	< 1	52	2	63	2.04	< 2	< 10	245	< 0.5	< 2	1.75	19	87	3.12	< 10	< 1	0.80	20	1.57
1095989 Orig	< 0.2	< 0.5	2	897	< 1	4	< 2	44	0.90	< 2	< 10	< 10	< 0.5	< 2	2.53	20	2	9.76	10	1	0.02	< 10	0.53
1095989 Dup	< 0.2	< 0.5	2	915	< 1	2	3	44	0.93	< 2	< 10	< 10	< 0.5	3	2.57	19	2	10.0	10	2	0.02	< 10	0.54
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.079	0.032	0.01	4	23	34		< 20	< 1	2	< 10	162	< 10	6	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.078	0.032	0.01	2	22	34		< 20	< 1	< 2	< 10	159	< 10	6	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.131	0.034	0.01	4	19	28		< 20	< 1	< 2	< 10	166	< 10	5	9
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.150	0.032	0.01	3	19	31		< 20	< 1	< 2	< 10	164	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.152	0.031	0.01	4	18	32		< 20	< 1	< 2	< 10	158	< 10	4	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.138	0.033	0.01	4	19	29		< 20	< 1	< 2	< 10	162	< 10	5	8
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.160	0.034	0.01	4	18	32		< 20	3	< 2	< 10	163	< 10	5	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.166	0.034	0.01	4	18	32		< 20	< 1	< 2	< 10	165	< 10	5	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 98 (Aqua Regia) Meas				16											
OREAS 98 (Aqua Regia) Cert				14.7											
OREAS 922 (AQUA REGIA) Meas	0.025	0.061	0.36	3	4	16		< 20		< 2	< 10	35	< 10	20	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.027	0.060	0.36	2	4	16		< 20		< 2	< 10	36	< 10	19	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.028	0.060	0.36	2	4	16		< 20		< 2	< 10	34	< 10	19	17
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.032	0.062	0.37	2	4	16		< 20		< 2	< 10	35	< 10	20	24
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.033	0.061	0.37	2	4	16		< 20		< 2	< 10	35	< 10	20	20
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.032	0.062	0.37	3	4	16		< 20		< 2	< 10	35	< 10	20	18
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.032	0.064	0.37	3	4	16		< 20		< 2	< 10	35	< 10	20	19

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Meas															
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.032	0.065	0.37	3	4	16		< 20		< 2	< 10	36	< 10	20	23
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.66	2	4	14		< 20		< 2	< 10	35	< 10	18	22
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.65	2	4	15		< 20		< 2	< 10	35	< 10	18	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.67	3	4	14		< 20		< 2	< 10	34	< 10	18	23
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.058	0.65	< 2	4	14		< 20		< 2	< 10	35	< 10	18	27
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.059	0.67	3	4	15		< 20		< 2	< 10	34	< 10	18	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	3	4	14		< 20		< 2	< 10	34	< 10	18	28
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.68	2	4	14		< 20		< 2	< 10	34	< 10	18	29
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.54	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.184	0.034	4.68	111	2	19		< 20		< 2	< 10	13	< 10	7	66
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.182	0.033	4.73	116	2	18		< 20		< 2	< 10	13	< 10	7	67

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.171	0.031	4.32	109	2	18		< 20		< 2	< 10	12	< 10	7	63
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.176	0.032	4.44	110	2	19		< 20		< 2	< 10	12	< 10	7	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.175	0.033	4.54	106	2	19		< 20		< 2	< 10	13	< 10	7	68
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.173	0.033	4.73	101	2	18		< 20		< 2	< 10	13	< 10	7	60
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.174	0.034	4.64	113	2	18		< 20		< 2	< 10	13	< 10	7	69
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.169	0.033	4.49	111	2	17		< 20		< 2	< 10	12	< 10	7	67
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.038	0.020	0.02		29	15	0.10	< 20		3	< 10	189		6	16
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.037	0.019	0.02		29	14	0.07	< 20		< 2	< 10	186		6	11
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.051	0.020	0.02		26	14	0.13	< 20		3	< 10	197		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.051	0.021	0.02		27	15	0.13	< 20		< 2	< 10	202		5	17
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.052	0.021	0.02		25	14	0.09	< 20		< 2	< 10	199		5	12
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.051	0.021	0.02		26	14	0.09	< 20		< 2	< 10	202		5	12
OREAS 45f (Aqua Regia) Cert	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
1095526 Orig	0.053	0.022	0.03	< 2	< 1	12	0.02	< 20	< 1	< 2	< 10	2	< 10	8	12
1095526 Dup	0.052	0.023	0.02	< 2	< 1	12	0.02	< 20	2	< 2	< 10	2	< 10	7	28
1095549 Orig	0.333	0.052	0.09	3	25	9	0.24	< 20	< 1	< 2	< 10	229	< 10	19	6
1095549 Dup	0.337	0.052	0.09	2	25	9	0.22	< 20	< 1	< 2	< 10	231	< 10	19	6
1095563 Orig	0.457	0.019	0.22	< 2	20	9	0.20	< 20	< 1	< 2	< 10	178	< 10	7	3
1095563 Dup	0.480	0.019	0.22	< 2	21	9	0.21	< 20	1	< 2	< 10	185	< 10	8	3

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1095575 Orig	0.225	0.028	0.20	< 2	12	14	0.17	< 20	1	< 2	< 10	92	< 10	8	3
1095575 Split PREP DUP	0.222	0.028	0.20	< 2	12	14	0.17	< 20	1	< 2	< 10	90	< 10	8	3
1095575 Split PREP DUP	0.222	0.028	0.20	< 2	12	14	0.17	< 20	1	< 2	< 10	90	< 10	8	3
1095589 Orig	0.305	0.044	0.07	< 2	14	133	0.24	< 20	< 1	< 2	< 10	106	< 10	9	5
1095589 Dup	0.312	0.044	0.07	< 2	14	136	0.25	< 20	< 1	< 2	< 10	108	< 10	9	5
1095605 Orig	0.325	0.070	0.35	< 2	7	161	0.20	< 20	< 1	< 2	< 10	75	< 10	6	14
1095605 Dup	0.326	0.069	0.34	< 2	7	160	0.20	< 20	2	< 2	< 10	75	< 10	6	12
1095619 Orig	0.244	0.040	0.32	< 2	14	125	0.09	< 20	< 1	< 2	< 10	100	< 10	7	8
1095619 Dup	0.244	0.039	0.31	4	14	124	0.09	< 20	1	< 2	< 10	100	< 10	7	8
1095625 Orig	0.173	0.043	0.09	< 2	6	35	0.14	< 20	3	< 2	< 10	65	< 10	5	12
1095625 Split PREP DUP	0.174	0.043	0.08	< 2	6	36	0.13	< 20	2	< 2	< 10	60	< 10	4	15
1095631 Orig	0.213	0.039	0.07	< 2	6	40	0.10	< 20	< 1	< 2	< 10	62	< 10	4	9
1095631 Dup	0.205	0.038	0.06	< 2	6	39	0.10	< 20	< 1	< 2	< 10	59	< 10	4	11
1095645 Orig	0.297	0.054	0.36	< 2	25	13	0.23	< 20	< 1	< 2	< 10	185	< 10	18	5
1095645 Dup	0.299	0.054	0.36	< 2	24	13	0.23	< 20	1	< 2	< 10	187	< 10	18	5
1095668 Orig	0.342	0.023	0.65	3	26	42	0.26	< 20	2	< 2	< 10	401	< 10	11	4
1095668 Dup	0.352	0.023	0.66	3	27	42	0.29	< 20	5	< 2	< 10	410	< 10	12	5
1095675 Orig	0.389	0.021	0.15	2	28	13	0.36	< 20	4	< 2	< 10	469	< 10	10	3
1095675 Split PREP DUP	0.395	0.021	0.15	2	28	13	0.36	< 20	3	< 2	< 10	473	< 10	10	3
1095681 Orig	0.192	0.047	0.06	< 2	9	55	0.14	< 20	2	< 2	< 10	78	< 10	5	9
1095681 Dup	0.194	0.048	0.06	< 2	9	55	0.14	< 20	2	< 2	< 10	78	< 10	5	9
1095691 Orig	0.140	0.062	0.09	< 2	7	37	0.15	< 20	< 1	< 2	< 10	70	< 10	4	7
1095691 Dup	0.144	0.062	0.10	< 2	7	38	0.15	< 20	1	< 2	< 10	70	< 10	4	6
1095694 Orig	0.228	0.038	0.88	< 2	19	26	0.15	< 20	< 1	< 2	< 10	152	< 10	11	4
1095694 Dup	0.213	0.038	0.89	< 2	18	25	0.15	< 20	< 1	< 2	< 10	145	< 10	10	4
1095708 Orig	0.330	0.035	0.61	< 2	26	20	0.27	< 20	3	< 2	< 10	316	< 10	14	4
1095708 Dup	0.334	0.035	0.61	< 2	27	20	0.27	< 20	2	< 2	< 10	321	< 10	14	4
1095724 Orig	0.285	0.036	0.49	< 2	14	21	0.18	< 20	< 1	< 2	< 10	111	< 10	7	5
1095724 Dup	0.282	0.036	0.50	2	14	21	0.17	< 20	2	< 2	< 10	111	< 10	7	5
1095726 Orig	0.421	0.026	0.14	< 2	15	61	0.17	< 20	2	< 2	< 10	109	< 10	7	1
1095726 Split PREP DUP	0.445	0.026	0.14	< 2	16	61	0.18	< 20	2	< 2	< 10	117	< 10	8	1
1095737 Orig	0.293	0.044	0.35	< 2	11	120	0.17	< 20	< 1	< 2	< 10	101	< 10	7	7
1095737 Dup	0.292	0.044	0.35	< 2	11	118	0.17	< 20	2	< 2	< 10	100	< 10	7	7
1095750 Orig	0.082	0.039	0.04	< 2	4	47	0.11	< 20	2	< 2	< 10	27	< 10	11	5
1095750 Dup	0.085	0.039	0.04	< 2	4	47	0.11	< 20	< 1	< 2	< 10	28	< 10	11	6
1095764 Orig	0.275	0.039	0.26	< 2	6	40	0.13	< 20	< 1	< 2	< 10	54	< 10	4	10
1095764 Dup	0.275	0.039	0.26	< 2	5	39	0.13	< 20	1	< 2	< 10	54	< 10	4	9
1095775 Orig	0.133	0.040	0.31	2	7	17	0.11	< 20	< 1	< 2	< 10	78	< 10	4	9
1095775 Split PREP DUP	0.124	0.041	0.34	< 2	7	16	0.11	< 20	< 1	< 2	< 10	78	< 10	4	11
1095786 Orig	0.087	0.040	0.02	< 2	10	6	0.15	< 20	< 1	< 2	< 10	88	< 10	3	10
1095786 Dup	0.086	0.040	0.02	< 2	10	6	0.15	< 20	6	< 2	< 10	89	< 10	3	10
1095800 Orig	0.115	0.037	0.10	2	4	47	0.12	< 20	3	< 2	< 10	35	< 10	10	7
1095800 Dup	0.114	0.037	0.10	3	4	47	0.12	< 20	< 1	< 2	< 10	35	< 10	10	7
1095813 Orig	0.355	0.019	0.17	< 2	25	14	0.26	< 20	1	< 2	< 10	471	< 10	8	3
1095813 Dup	0.354	0.018	0.17	2	26	14	0.26	< 20	3	3	< 10	470	< 10	8	3
1095825 Orig	0.282	0.043	0.04	< 2	4	78	0.11	< 20	< 1	< 2	< 10	38	< 10	3	6
1095825 Split	0.256	0.044	0.05	< 2	4	71	0.11	< 20	< 1	< 2	< 10	38	< 10	3	5

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
PREP DUP															
1095826 Orig	0.266	0.046	0.04	< 2	7	56	0.14	< 20	2	< 2	< 10	78	< 10	4	9
1095826 Dup	0.270	0.046	0.04	< 2	8	56	0.14	< 20	2	< 2	< 10	79	< 10	4	7
1095831 Orig	0.237	0.044	0.14	< 2	8	41	0.15	< 20	3	< 2	< 10	90	< 10	4	9
1095831 Dup	0.223	0.044	0.14	< 2	8	39	0.15	< 20	4	< 2	< 10	85	< 10	4	9
1095841 Orig	0.103	0.048	0.07	< 2	7	25	0.14	< 20	2	< 2	< 10	66	< 10	4	14
1095841 Dup	0.101	0.048	0.07	< 2	7	24	0.14	< 20	< 1	< 2	< 10	65	< 10	4	14
1095842 Orig	0.275	0.056	0.03	< 2	6	63	0.17	< 20	< 1	< 2	< 10	62	< 10	4	10
1095842 Dup	0.275	0.055	0.03	< 2	6	64	0.17	< 20	5	< 2	< 10	63	< 10	5	10
1095856 Orig	0.274	0.033	0.08	< 2	20	13	0.18	< 20	4	< 2	< 10	166	< 10	10	3
1095856 Dup	0.269	0.033	0.08	< 2	20	13	0.16	< 20	2	< 2	< 10	163	< 10	10	3
1095869 Orig	0.346	0.074	0.11	< 2	6	210	0.22	< 20	4	< 2	< 10	76	< 10	6	12
1095869 Dup	0.348	0.074	0.11	< 2	6	213	0.22	< 20	3	< 2	< 10	78	< 10	6	12
1095875 Orig	0.161	0.061	0.47	2	10	39	0.14	< 20	2	< 2	< 10	84	< 10	8	9
1095875 Split PREP DUP	0.165	0.060	0.46	< 2	10	39	0.13	< 20	3	< 2	< 10	84	< 10	8	9
1095881 Orig	0.190	0.053	0.25	< 2	7	37	0.16	< 20	2	< 2	< 10	62	< 10	5	10
1095881 Dup	0.193	0.054	0.26	< 2	7	37	0.17	< 20	< 1	< 2	< 10	63	< 10	5	17
1095882 Orig	0.202	0.054	0.29	< 2	7	55	0.14	< 20	2	< 2	< 10	64	< 10	5	14
1095882 Dup	0.218	0.054	0.29	< 2	7	57	0.14	< 20	2	< 2	< 10	64	< 10	5	16
1095901 Orig	0.076	0.041	0.07	< 2	11	8	0.11	< 20	< 1	< 2	< 10	87	< 10	3	14
1095901 Dup	0.079	0.041	0.07	< 2	11	8	0.11	< 20	< 1	< 2	< 10	87	< 10	3	14
1095905 Orig	0.116	0.042	0.04	< 2	6	21	0.10	< 20	< 1	< 2	< 10	74	< 10	3	17
1095905 Dup	0.117	0.042	0.05	< 2	6	22	0.09	< 20	< 1	< 2	< 10	75	< 10	3	15
1095919 Orig	0.236	0.034	0.14	< 2	13	16	0.16	< 20	1	< 2	< 10	110	< 10	8	3
1095919 Dup	0.229	0.033	0.14	< 2	12	16	0.15	< 20	< 1	< 2	< 10	108	< 10	7	3
1095926 Orig	0.276	0.037	0.05	2	17	7	0.20	< 20	5	< 2	< 10	234	< 10	11	4
1095926 Split PREP DUP	0.263	0.037	0.05	< 2	17	7	0.17	< 20	1	< 2	< 10	229	< 10	11	3
1095931 Orig	0.346	0.035	0.21	< 2	24	7	0.19	< 20	2	< 2	< 10	302	< 10	12	3
1095931 Dup	0.348	0.036	0.21	< 2	24	8	0.20	< 20	4	< 2	< 10	304	< 10	12	3
1095941 Orig	0.265	0.021	0.16	2	24	14	0.23	< 20	1	< 2	< 10	476	< 10	8	3
1095941 Dup	0.258	0.020	0.16	< 2	24	14	0.22	< 20	2	< 2	< 10	463	< 10	8	2
1095945 Orig	0.206	0.048	0.14	4	9	56	0.17	< 20	< 1	< 2	< 10	88	< 10	5	11
1095945 Dup	0.213	0.048	0.14	< 2	9	57	0.17	< 20	3	< 2	< 10	88	< 10	5	12
1095963 Orig	0.323	0.055	0.50	3	22	13	0.19	< 20	4	< 2	< 10	196	< 10	19	4
1095963 Dup	0.315	0.054	0.48	2	21	13	0.18	< 20	< 1	< 2	< 10	193	< 10	18	4
1095975 Orig	0.194	0.055	0.98	< 2	11	30	0.18	< 20	4	< 2	< 10	108	< 10	8	16
1095975 Split PREP DUP	0.186	0.056	0.99	< 2	11	29	0.17	< 20	1	< 2	< 10	105	< 10	8	17
1095976 Orig	0.208	0.051	0.25	< 2	9	44	0.14	< 20	4	< 2	< 10	81	< 10	7	15
1095976 Dup	0.225	0.053	0.25	< 2	9	47	0.14	< 20	1	< 2	< 10	84	< 10	7	16
1095989 Orig	0.153	0.100	< 0.01	3	17	15	0.13	< 20	1	< 2	< 10	66	< 10	31	6
1095989 Dup	0.158	0.104	< 0.01	3	18	16	0.13	< 20	2	< 2	< 10	67	< 10	32	6
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Ardiden Canada Ltd.  
 684 Squire St.  
 Thunder Bay ON  
 Canada

Report No.: A20-13789-Au  
 Report Date: 27-Nov-20  
 Date Submitted: 30-Oct-20  
 Your Reference: Kasagiminnis

ATTN: Rob Longley

## CERTIFICATE OF ANALYSIS

465 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-11-04 18:22:56
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-11-06 19:38:33

REPORT **A20-13789-Au**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Footnote: Sample 1095900 was insufficient for further analysis

CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095526	< 5	
1095527	5	
1095528	6	
1095529	< 5	
1095530	< 5	
1095531	< 5	
1095532	17	
1095533	12	
1095534	< 5	
1095535	6	
1095536	< 5	
1095537	7	
1095538	14	
1095539	18	
1095540	> 5000	4.83
1095541	< 5	
1095542	10	
1095543	21	
1095544	136	
1095545	7	
1095546	14	
1095547	8	
1095548	20	
1095549	9	
1095550	< 5	
1095551	< 5	
1095552	< 5	
1095553	< 5	
1095554	86	
1095555	14	
1095556	19	
1095557	459	
1095558	30	
1095559	< 5	
1095560	570	
1095561	5	
1095562	7	
1095563	11	
1095564	50	
1095565	59	
1095566	76	
1095567	1350	
1095568	2420	
1095569	508	
1095570	< 5	
1095571	195	
1095572	17	
1095573	26	
1095574	38	
1095575	8	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095576	73	
1095577	44	
1095578	14	
1095579	10	
1095580	3220	3.00
1095581	< 5	
1095582	< 5	
1095583	< 5	
1095584	27	
1095585	5	
1095586	6	
1095587	14	
1095588	20	
1095589	< 5	
1095590	< 5	
1095591	< 5	
1095592	< 5	
1095593	< 5	
1095594	< 5	
1095595	5	
1095596	11	
1095597	9	
1095598	12	
1095599	12	
1095600	> 5000	4.76
1095601	10	
1095602	9	
1095603	11	
1095604	6	
1095605	10	
1095606	11	
1095607	9	
1095608	10	
1095609	17	
1095610	< 5	
1095611	17	
1095612	11	
1095613	10	
1095614	13	
1095615	9	
1095616	8	
1095617	10	
1095618	11	
1095619	13	
1095620	582	
1095621	10	
1095622	10	
1095623	10	
1095624	9	
1095625	27	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095626	< 5	
1095627	5	
1095628	< 5	
1095629	< 5	
1095630	< 5	
1095631	14	
1095632	10	
1095633	37	
1095634	13	
1095635	10	
1095636	10	
1095637	10	
1095638	11	
1095639	12	
1095640	3330	2.72
1095641	15	
1095642	11	
1095643	15	
1095644	61	
1095645	89	
1095646	11	
1095647	14	
1095648	8	
1095649	7	
1095650	< 5	
1095651	< 5	
1095652	9	
1095653	20	
1095654	8	
1095655	32	
1095656	8	
1095657	8	
1095658	10	
1095659	9	
1095660	> 5000	4.64
1095661	< 5	
1095662	5	
1095663	< 5	
1095664	9	
1095665	12	
1095666	8	
1095667	< 5	
1095668	7	
1095669	10	
1095670	< 5	
1095671	6	
1095672	8	
1095673	6	
1095674	8	
1095675	6	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095676	7	
1095677	56	
1095678	28	
1095679	12	
1095680	548	
1095681	< 5	
1095682	10	
1095683	8	
1095684	< 5	
1095685	< 5	
1095686	12	
1095687	< 5	
1095688	< 5	
1095689	24	
1095690	< 5	
1095691	7	
1095692	< 5	
1095693	< 5	
1095694	8	
1095695	11	
1095696	56	
1095697	158	
1095698	270	
1095699	129	
1095700	3010	2.89
1095701	116	
1095702	123	
1095703	261	
1095704	469	
1095705	171	
1095706	27	
1095707	18	
1095708	708	
1095709	20	
1095710	5	
1095711	11	
1095712	< 5	
1095713	< 5	
1095714	5	
1095715	10	
1095716	10	
1095717	23	
1095718	< 5	
1095719	< 5	
1095720	> 5000	4.70
1095721	< 5	
1095722	< 5	
1095723	5	
1095724	7	
1095725	7	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095726	< 5	
1095727	< 5	
1095728	< 5	
1095729	< 5	
1095730	< 5	
1095731	< 5	
1095732	< 5	
1095733	< 5	
1095734	6	
1095735	< 5	
1095736	< 5	
1095737	6	
1095738	8	
1095739	9	
1095740	547	
1095741	< 5	
1095742	5	
1095743	< 5	
1095744	5	
1095745	5	
1095746	< 5	
1095747	< 5	
1095748	< 5	
1095749	< 5	
1095750	< 5	
1095751	< 5	
1095752	< 5	
1095753	< 5	
1095754	< 5	
1095755	< 5	
1095756	6	
1095757	< 5	
1095758	< 5	
1095759	14	
1095760	2960	2.77
1095761	17	
1095762	< 5	
1095763	< 5	
1095764	< 5	
1095765	< 5	
1095766	< 5	
1095767	< 5	
1095768	< 5	
1095769	< 5	
1095770	< 5	
1095771	< 5	
1095772	< 5	
1095773	< 5	
1095774	< 5	
1095775	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095776	< 5	
1095777	< 5	
1095778	< 5	
1095779	< 5	
1095780	4880	5.00
1095781	< 5	
1095782	< 5	
1095783	< 5	
1095784	< 5	
1095785	< 5	
1095786	< 5	
1095787	< 5	
1095788	7	
1095789	< 5	
1095790	< 5	
1095791	5	
1095792	< 5	
1095793	< 5	
1095794	< 5	
1095795	< 5	
1095796	6	
1095797	6	
1095798	< 5	
1095799	< 5	
1095800	564	
1095801	< 5	
1095802	< 5	
1095803	< 5	
1095804	< 5	
1095805	< 5	
1095806	5	
1095807	5	
1095808	< 5	
1095809	6	
1095810	< 5	
1095811	< 5	
1095812	< 5	
1095813	5	
1095814	< 5	
1095815	10	
1095816	< 5	
1095817	< 5	
1095818	< 5	
1095819	6	
1095820	2900	2.96
1095821	< 5	
1095822	8	
1095823	15	
1095824	13	
1095825	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095826	< 5	
1095827	14	
1095828	8	
1095829	10	
1095830	< 5	
1095831	10	
1095832	< 5	
1095833	7	
1095834	< 5	
1095835	7	
1095836	11	
1095837	12	
1095838	5	
1095839	< 5	
1095840	> 5000	4.92
1095841	< 5	
1095842	98	
1095843	8	
1095844	< 5	
1095845	5	
1095846	< 5	
1095847	22	
1095848	22	
1095849	438	
1095850	< 5	
1095851	42	
1095852	7	
1095853	28	
1095854	1630	
1095855	< 5	
1095856	< 5	
1095857	26	
1095858	7	
1095859	< 5	
1095860	586	
1095861	< 5	
1095862	6	
1095863	16	
1095864	< 5	
1095865	5	
1095866	< 5	
1095867	5	
1095868	6	
1095869	< 5	
1095870	< 5	
1095871	< 5	
1095872	< 5	
1095873	5	
1095874	6	
1095875	6	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095876	< 5	
1095877	9	
1095878	< 5	
1095879	< 5	
1095880	3060	2.85
1095881	5	
1095882	< 5	
1095883	< 5	
1095884	6	
1095885	8	
1095886	< 5	
1095887	10	
1095888	< 5	
1095889	29	
1095890	< 5	
1095891	26	
1095892	< 5	
1095893	< 5	
1095894	< 5	
1095895	< 5	
1095896	5	
1095897	< 5	
1095898	9	
1095899	< 5	
1095900	> 5000	
1095901	< 5	
1095902	< 5	
1095903	< 5	
1095904	< 5	
1095905	< 5	
1095906	< 5	
1095907	< 5	
1095908	< 5	
1095909	< 5	
1095910	< 5	
1095911	< 5	
1095912	< 5	
1095913	< 5	
1095914	< 5	
1095915	10	
1095916	7	
1095917	< 5	
1095918	8	
1095919	< 5	
1095920	585	
1095921	< 5	
1095922	< 5	
1095923	5	
1095924	< 5	
1095925	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095926	15	
1095927	12	
1095928	78	
1095929	12	
1095930	< 5	
1095931	12	
1095932	5	
1095933	< 5	
1095934	52	
1095935	11	
1095936	5	
1095937	< 5	
1095938	< 5	
1095939	< 5	
1095940	3270	3.07
1095941	8	
1095942	5	
1095943	< 5	
1095944	5	
1095945	23	
1095946	6	
1095947	< 5	
1095948	7	
1095949	6	
1095950	543	
1095951	12	
1095952	12	
1095953	< 5	
1095954	< 5	
1095955	8	
1095956	7	
1095957	13	
1095958	6	
1095959	138	
1095960	> 5000	4.89
1095961	45	
1095962	9	
1095963	16	
1095964	< 5	
1095965	< 5	
1095966	< 5	
1095967	< 5	
1095968	7	
1095969	35	
1095970	< 5	
1095971	5	
1095972	7	
1095973	< 5	
1095974	7	
1095975	10	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095976	< 5	
1095977	10	
1095978	6	
1095979	5	
1095980	552	
1095981	6	
1095982	< 5	
1095983	< 5	
1095984	< 5	
1095985	< 5	
1095986	< 5	
1095987	< 5	
1095988	< 5	
1095989	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		12.1
OREAS 229b (Fire Assay) Cert		11.9
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
OREAS 238 (Fire Assay) Meas	3140	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3160	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3190	
OREAS 238 (Fire Assay) Cert	3030	
Oreas 237 (fire Assay) Meas	2110	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2190	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2250	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2250	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2280	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2260	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2240	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2220	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2250	
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2160	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Oreas 237 (fire Assay) Cert	2210	
Oreas 237 (fire Assay) Meas	2190	
Oreas 237 (fire Assay) Cert	2210	
OREAS 257b (Fire Assay) Meas		14.1
OREAS 257b (Fire Assay) Cert		14.2
OREAS 257b (Fire Assay) Meas		13.5
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	502	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	510	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	502	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	507	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	513	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	509	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	516	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	502	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Oreas E1336 (Fire Assay) Meas	511	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
1095534 Orig	< 5	
1095534 Dup	< 5	
1095549 Orig	8	
1095549 Dup	9	
1095559 Orig	< 5	
1095559 Dup	< 5	
1095563 Orig	10	
1095563 Dup	12	
1095575 Orig	8	
1095575 Split PREP DUP	7	
1095585 Orig	5	
1095585 Dup	5	
1095613 Orig	9	
1095613 Dup	11	
1095617 Orig	10	
1095617 Dup	10	
1095625 Orig	27	
1095625 Split PREP DUP	24	
1095626 Orig	< 5	
1095626 Dup	< 5	
1095629 Orig	< 5	
1095629 Dup	< 5	
1095637 Orig	10	
1095637 Dup	10	
1095647 Orig	14	
1095647 Dup	13	
1095651 Orig	< 5	
1095651 Dup	7	
1095672 Orig	8	
1095672 Dup	8	
1095675 Orig	6	
1095675 Split PREP DUP	6	
1095684 Orig	5	
1095684 Dup	< 5	
1095694 Orig	7	
1095694 Dup	9	
1095709 Orig	20	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095709 Dup	19	
1095719 Orig	< 5	
1095719 Dup	< 5	
1095726 Orig	< 5	
1095726 Split PREP DUP	< 5	
1095728 Orig	< 5	
1095728 Dup	< 5	
1095743 Orig	< 5	
1095743 Dup	5	
1095753 Orig	< 5	
1095753 Dup	< 5	
1095763 Orig	< 5	
1095763 Dup	< 5	
1095775 Orig	< 5	
1095775 Split PREP DUP	< 5	
1095777 Orig	< 5	
1095777 Dup	< 5	
1095787 Orig	5	
1095787 Dup	< 5	
1095797 Orig	5	
1095797 Dup	6	
1095809 Orig	6	
1095809 Dup	5	
1095825 Orig	< 5	
1095825 Split PREP DUP	< 5	
1095829 Orig	12	
1095829 Dup	7	
1095844 Orig	< 5	
1095844 Dup	< 5	
1095854 Orig	1580	
1095854 Dup	1680	
1095864 Orig	< 5	
1095864 Dup	< 5	
1095875 Orig	6	
1095875 Split PREP DUP	5	
1095878 Orig	< 5	
1095878 Dup	< 5	
1095888 Orig	< 5	
1095888 Dup	< 5	
1095898 Orig	8	
1095898 Dup	10	
1095913 Orig	< 5	
1095913 Dup	< 5	
1095923 Orig	5	
1095923 Dup	5	
1095926 Orig	15	
1095926 Split PREP DUP	14	





Report No.: A20-13789-Rush
Report Date: 09-Nov-20
Date Submitted: 30-Oct-20
Your Reference: Kasagiminnis

Ardiden Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Rob Longley

CERTIFICATE OF ANALYSIS

465 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2-Tbay | QOP AA-Au (Au - Fire Assay AA) | 2020-11-04 18:22:56

REPORT A20-13789-Rush

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095526	< 5	
1095527	5	
1095528	6	
1095529	< 5	
1095530	< 5	
1095531	< 5	
1095532	17	
1095533	12	
1095534	< 5	
1095535	6	
1095536	< 5	
1095537	7	
1095538	14	
1095539	18	
1095540	> 5000	4.83
1095541	< 5	
1095542	10	
1095543	21	
1095544	136	
1095545	7	
1095546	14	
1095547	8	
1095548	20	
1095549	9	
1095550	< 5	
1095551	< 5	
1095552	< 5	
1095553	< 5	
1095554	86	
1095555	14	
1095556	19	
1095557	459	
1095558	30	
1095559	< 5	
1095560	570	
1095561	5	
1095562	7	
1095563	11	
1095564	50	
1095565	59	
1095566	76	
1095567	1350	
1095568	2420	
1095569	508	
1095570	< 5	
1095571	195	
1095572	17	
1095573	26	
1095574	38	
1095575	8	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095576	73	
1095577	44	
1095578	14	
1095579	10	
1095580	3220	3.00
1095581	< 5	
1095582	< 5	
1095583	< 5	
1095584	27	
1095585	5	
1095586	6	
1095587	14	
1095588	20	
1095589	< 5	
1095590	< 5	
1095591	< 5	
1095592	< 5	
1095593	< 5	
1095594	< 5	
1095595	5	
1095596	11	
1095597	9	
1095598	12	
1095599	12	
1095600	> 5000	4.76
1095601	10	
1095602	9	
1095603	11	
1095604	6	
1095605	10	
1095606	11	
1095607	9	
1095608	10	
1095609	17	
1095610	< 5	
1095611	17	
1095612	11	
1095613	10	
1095614	13	
1095615	9	
1095616	8	
1095617	10	
1095618	11	
1095619	13	
1095620	582	
1095621	10	
1095622	10	
1095623	10	
1095624	9	
1095625	27	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095626	< 5	
1095627	5	
1095628	< 5	
1095629	< 5	
1095630	< 5	
1095631	14	
1095632	10	
1095633	37	
1095634	13	
1095635	10	
1095636	10	
1095637	10	
1095638	11	
1095639	12	
1095640	3330	2.72
1095641	15	
1095642	11	
1095643	15	
1095644	61	
1095645	89	
1095646	11	
1095647	14	
1095648	8	
1095649	7	
1095650	< 5	
1095651	< 5	
1095652	9	
1095653	20	
1095654	8	
1095655	32	
1095656	8	
1095657	8	
1095658	10	
1095659	9	
1095660	> 5000	4.64
1095661	< 5	
1095662	5	
1095663	< 5	
1095664	9	
1095665	12	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		11.9
OREAS 229b (Fire Assay) Cert		11.9
OREAS 238 (Fire Assay) Meas	3140	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3160	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3190	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 257b (Fire Assay) Meas		13.5
OREAS 257b (Fire Assay) Cert		14.2
Oreas E1336 (Fire Assay) Meas	511	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	524	
Oreas E1336 (Fire Assay) Cert	510	
1095534 Orig	< 5	
1095534 Dup	< 5	
1095549 Orig	8	
1095549 Dup	9	
1095559 Orig	< 5	
1095559 Dup	< 5	
1095563 Orig	10	
1095563 Dup	12	
1095575 Orig	8	
1095575 Split PREP DUP	7	
1095585 Orig	5	
1095585 Dup	5	
1095613 Orig	9	
1095613 Dup	11	
1095617 Orig	10	
1095617 Dup	10	
1095625 Orig	27	
1095625 Split PREP DUP	24	
1095626 Orig	< 5	
1095626 Dup	< 5	
1095629 Orig	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
1095629 Dup	< 5	
1095637 Orig	10	
1095637 Dup	10	
1095647 Orig	14	
1095647 Dup	13	
1095651 Orig	< 5	
1095651 Dup	7	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank		< 0.03



Report No.: A20-15364
Report Date: 28-Jan-21
Date Submitted: 30-Nov-20
Your Reference: Kasagiminnis

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Rob Longley

CERTIFICATE OF ANALYSIS

40 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A20-15364

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

## Results

## Activation Laboratories Ltd.

## Report: A20-15364

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096151	8	< 0.2	< 0.5	79	475	< 1	61	< 2	23	2.54	3	< 10	109	< 0.5	< 2	3.31	17	325	3.28	< 10	< 1	0.39	< 10
1096152	< 5	< 0.2	< 0.5	11	491	< 1	130	< 2	38	3.31	< 2	< 10	11	< 0.5	< 2	1.94	30	41	4.44	< 10	< 1	0.05	< 10
1096153	< 5	< 0.2	< 0.5	89	460	< 1	71	< 2	28	2.89	< 2	< 10	29	< 0.5	< 2	3.03	24	48	4.04	< 10	< 1	0.09	< 10
1096154	7	0.2	< 0.5	159	236	< 1	45	< 2	36	2.05	< 2	< 10	11	< 0.5	< 2	1.56	21	36	3.54	< 10	< 1	0.04	< 10
1096155	10	0.2	< 0.5	529	309	< 1	28	< 2	10	1.39	3	< 10	< 10	< 0.5	< 2	1.97	21	45	10.5	< 10	< 1	0.02	< 10
1096156	< 5	< 0.2	< 0.5	22	313	< 1	63	< 2	23	3.09	< 2	< 10	< 10	< 0.5	< 2	2.45	21	103	4.91	< 10	< 1	0.03	< 10
1096157	< 5	< 0.2	< 0.5	152	850	< 1	56	< 2	48	3.26	< 2	< 10	< 10	< 0.5	< 2	3.70	25	99	4.67	< 10	< 1	0.05	< 10
1096158	< 5	< 0.2	< 0.5	129	804	< 1	53	< 2	43	3.03	< 2	< 10	< 10	< 0.5	< 2	3.40	22	99	4.16	< 10	< 1	0.04	< 10
1096159	< 5	< 0.2	< 0.5	108	883	< 1	55	< 2	40	3.64	< 2	< 10	< 10	< 0.5	< 2	4.27	24	103	4.47	< 10	< 1	0.05	< 10
1096160	3090	10.7	5.0	76	440	4	29	391	744	1.29	4120	< 10	115	< 0.5	3	2.54	13	26	8.02	< 10	< 1	0.23	13
1096161	< 5	< 0.2	< 0.5	148	535	< 1	52	10	38	2.22	3	< 10	< 10	< 0.5	< 2	3.05	20	58	2.58	< 10	< 1	0.03	< 10
1096162	< 5	< 0.2	< 0.5	91	910	< 1	62	< 2	41	3.66	< 2	< 10	< 10	< 0.5	< 2	4.53	23	96	4.53	< 10	< 1	0.05	< 10
1096163	< 5	< 0.2	< 0.5	114	358	< 1	37	< 2	36	2.38	< 2	< 10	< 10	< 0.5	< 2	2.25	14	49	2.24	< 10	< 1	0.02	< 10
1096164	< 5	< 0.2	< 0.5	103	375	< 1	42	< 2	29	2.16	< 2	< 10	< 10	< 0.5	< 2	2.87	14	46	2.16	< 10	< 1	0.02	< 10
1096165	< 5	< 0.2	< 0.5	105	365	< 1	40	< 2	29	2.06	< 2	< 10	< 10	< 0.5	< 2	2.79	14	44	2.11	< 10	< 1	0.02	< 10
1096166	5	< 0.2	< 0.5	147	669	1	113	< 2	69	2.47	< 2	< 10	< 10	< 0.5	< 2	3.39	26	74	3.43	< 10	< 1	0.04	< 10
1096167	< 5	< 0.2	< 0.5	120	784	< 1	119	< 2	64	2.83	2	< 10	< 10	< 0.5	< 2	4.64	31	93	4.44	< 10	< 1	0.05	< 10
1096168	< 5	< 0.2	< 0.5	97	668	< 1	118	< 2	55	2.68	< 2	< 10	16	< 0.5	< 2	3.03	23	89	4.61	< 10	< 1	0.08	< 10
1096169	8	< 0.2	< 0.5	228	681	< 1	123	< 2	61	3.05	< 2	< 10	< 10	< 0.5	< 2	5.28	28	121	5.50	< 10	< 1	0.02	< 10
1096170	< 5	< 0.2	< 0.5	19	625	3	10	< 2	35	1.18	< 2	< 10	61	< 0.5	< 2	1.10	4	14	2.46	< 10	< 1	0.09	< 10
1096171	< 5	< 0.2	< 0.5	47	904	< 1	114	< 2	47	3.31	< 2	< 10	20	< 0.5	< 2	3.31	28	127	5.89	< 10	< 1	0.11	< 10
1096172	10	< 0.2	< 0.5	92	842	< 1	114	< 2	38	3.54	< 2	13	< 10	< 0.5	< 2	3.44	23	116	5.83	< 10	< 1	0.06	< 10
1096173	9	0.2	< 0.5	151	1120	< 1	170	< 2	63	4.25	< 2	< 10	< 10	< 0.5	< 2	4.71	40	157	7.89	10	< 1	0.04	< 10
1096174	7	< 0.2	< 0.5	50	437	< 1	80	< 2	28	1.70	< 2	< 10	< 10	< 0.5	< 2	1.92	21	66	2.75	< 10	< 1	0.05	< 10
1096175	10	< 0.2	< 0.5	57	603	< 1	54	< 2	32	1.84	< 2	< 10	25	< 0.5	< 2	2.65	15	185	3.34	< 10	< 1	0.09	33
1096176	< 5	< 0.2	< 0.5	114	707	< 1	112	2	38	2.46	3	< 10	< 10	< 0.5	< 2	3.29	30	246	4.28	< 10	< 1	0.04	18
1096177	< 5	< 0.2	< 0.5	37	562	< 1	89	< 2	28	2.74	< 2	< 10	< 10	< 0.5	< 2	3.40	17	235	4.02	< 10	< 1	0.05	33
1096178	< 5	< 0.2	< 0.5	13	382	< 1	58	< 2	23	2.35	< 2	20	< 10	< 0.5	< 2	3.68	15	192	2.61	< 10	< 1	0.04	11
1096179	< 5	< 0.2	< 0.5	19	664	< 1	62	< 2	32	2.37	< 2	< 10	38	< 0.5	< 2	2.96	15	139	3.94	< 10	< 1	0.15	15
1096180	> 5000	1.7	3.1	365	365	9	25	133	618	1.48	7160	< 10	33	< 0.5	< 2	1.69	16	28	11.8	< 10	< 1	0.25	< 10
1096181	< 5	< 0.2	< 0.5	10	518	< 1	59	< 2	29	2.11	< 2	10	18	< 0.5	< 2	3.86	14	120	2.84	< 10	< 1	0.07	16
1096182	8	< 0.2	< 0.5	36	676	< 1	59	< 2	35	2.81	< 2	18	14	< 0.5	< 2	1.21	20	149	4.80	10	< 1	0.06	< 10
1096183	< 5	< 0.2	< 0.5	9	592	< 1	49	< 2	33	2.16	< 2	< 10	23	< 0.5	< 2	1.52	14	125	3.89	< 10	< 1	0.09	14
1096184	< 5	< 0.2	< 0.5	25	574	< 1	54	< 2	30	2.32	< 2	< 10	21	< 0.5	< 2	1.45	15	132	3.86	10	< 1	0.07	18
1096185	< 5	< 0.2	< 0.5	15	599	< 1	48	< 2	33	2.48	< 2	< 10	17	< 0.5	< 2	1.31	15	121	3.93	10	< 1	0.06	19
1096186	5	< 0.2	< 0.5	137	582	< 1	49	< 2	33	2.34	< 2	< 10	18	< 0.5	< 2	1.61	16	115	3.99	< 10	< 1	0.07	18
1096187	5	< 0.2	< 0.5	30	812	< 1	69	< 2	35	3.76	< 2	31	16	< 0.5	< 2	1.49	21	142	5.92	10	< 1	0.08	15
1096188	< 5	< 0.2	< 0.5	12	650	< 1	48	< 2	37	3.02	< 2	24	10	< 0.5	< 2	1.82	17	105	4.53	10	< 1	0.05	20
1096189	< 5	< 0.2	< 0.5	14	580	< 1	47	< 2	25	2.70	< 2	24	16	< 0.5	< 2	1.47	14	101	4.07	10	< 1	0.07	11
1096190	5	< 0.2	< 0.5	19	630	3	7	< 2	36	1.18	3	< 10	62	< 0.5	< 2	1.10	4	14	2.48	< 10	< 1	0.09	< 10

## Results

## Activation Laboratories Ltd.

Report: A20-15364

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096151	1.90	0.232	0.007	0.01	3	14	21	0.13	<20	<1	<2	<10	78	<10	4	1	
1096152	2.76	0.099	0.022	0.03	<2	5	29	0.09	<20	<1	<2	<10	60	<10	4	2	
1096153	1.50	0.277	0.024	0.10	3	12	72	0.20	<20	<1	<2	<10	100	<10	7	2	
1096154	1.55	0.147	0.040	0.16	2	7	16	0.10	<20	4	<2	<10	73	<10	4	2	
1096155	1.22	0.110	0.067	1.23	5	5	4	0.06	<20	<1	<2	<10	59	<10	7	3	
1096156	2.73	0.139	0.038	<0.01	3	11	15	0.11	<20	<1	<2	<10	105	<10	7	2	
1096157	1.58	0.515	0.030	0.13	3	17	47	0.19	<20	4	<2	<10	126	<10	10	2	
1096158	1.55	0.388	0.031	0.10	5	15	40	0.19	<20	<1	<2	<10	119	<10	9	2	
1096159	1.58	0.403	0.030	0.11	4	16	63	0.23	<20	<1	<2	<10	122	<10	10	2	
1096160	0.84	0.029	0.054	1.10	7	2	149	0.02	<20	<1	<2	<10	22	18	4	18	2.92
1096161	0.98	0.204	0.032	0.14	2	7	44	0.11	<20	6	<2	<10	69	<10	5	1	
1096162	1.48	0.458	0.031	0.08	2	16	84	0.27	<20	2	<2	<10	124	<10	10	2	
1096163	0.87	0.294	0.030	0.06	<2	7	62	0.14	<20	1	<2	<10	60	<10	6	1	
1096164	0.78	0.254	0.030	0.07	<2	6	59	0.15	<20	<1	<2	<10	57	<10	6	1	
1096165	0.76	0.242	0.028	0.07	<2	6	57	0.15	<20	<1	<2	<10	54	<10	5	1	
1096166	1.16	0.210	0.024	0.19	<2	9	65	0.21	<20	<1	<2	<10	79	<10	7	2	
1096167	1.54	0.151	0.024	0.16	<2	10	80	0.26	<20	<1	<2	<10	103	<10	9	2	
1096168	2.05	0.082	0.024	0.08	3	8	91	0.32	<20	5	<2	<10	114	<10	10	2	
1096169	2.61	0.022	0.031	0.24	2	8	51	0.20	<20	1	<2	<10	110	<10	6	3	
1096170	0.46	0.078	0.039	0.04	<2	4	45	0.11	<20	5	<2	<10	26	<10	10	6	
1096171	2.73	0.087	0.025	0.03	3	11	54	0.26	<20	1	<2	<10	174	<10	9	3	
1096172	2.90	0.061	0.024	0.01	3	10	87	0.30	<20	<1	<2	<10	148	<10	9	4	
1096173	3.72	0.048	0.042	0.25	4	11	96	0.30	<20	3	<2	<10	149	<10	9	4	
1096174	1.30	0.137	0.027	0.09	<2	7	23	0.14	<20	<1	<2	<10	68	<10	5	1	
1096175	1.75	0.079	0.105	0.01	2	6	76	0.24	<20	5	<2	<10	74	<10	8	9	
1096176	2.35	0.029	0.087	0.07	3	7	75	0.23	<20	<1	<2	<10	75	<10	5	6	
1096177	2.10	0.060	0.081	<0.01	3	9	353	0.25	<20	<1	<2	<10	76	<10	7	10	
1096178	2.04	0.032	0.078	<0.01	2	7	157	0.17	<20	<1	<2	<10	66	<10	5	9	
1096179	2.12	0.086	0.071	<0.01	<2	7	49	0.24	<20	6	<2	<10	72	<10	6	13	
1096180	0.94	0.028	0.053	3.17	6	2	132	0.02	<20	<1	<2	<10	19	24	3	24	5.01
1096181	2.03	0.028	0.065	<0.01	<2	6	45	0.23	<20	6	<2	<10	65	<10	5	12	
1096182	2.84	0.106	0.069	0.08	4	9	24	0.21	<20	6	<2	<10	94	<10	5	16	
1096183	2.10	0.098	0.064	0.02	2	7	54	0.21	<20	1	<2	<10	76	<10	5	14	
1096184	2.24	0.113	0.067	0.03	<2	7	55	0.23	<20	4	<2	<10	75	<10	6	17	
1096185	2.28	0.071	0.064	0.04	<2	7	47	0.20	<20	2	<2	<10	71	<10	5	14	
1096186	2.12	0.098	0.058	0.07	3	8	44	0.19	<20	4	<2	<10	77	<10	6	14	
1096187	3.54	0.069	0.072	0.02	3	14	42	0.25	<20	<1	<2	<10	118	<10	7	15	
1096188	3.14	0.039	0.096	<0.01	3	8	27	0.18	<20	6	<2	<10	79	<10	6	11	
1096189	2.68	0.099	0.085	<0.01	2	8	34	0.19	<20	<1	<2	<10	78	<10	5	9	
1096190	0.47	0.078	0.039	0.04	<2	4	46	0.11	<20	<1	<2	<10	26	<10	10	5	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2210	769	< 1	34	60	264	2.80	8		83	0.7	5	0.41	19	46	5.11	< 10		0.48	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4340	881	< 1	31	85	328	2.80	8		70	0.7	20	0.42	22	42	5.87	< 10		0.42	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 621 (Aqua Regia) Meas		66.0	290	3530	521	11	24	> 5000	> 10000	1.67	72			0.5	6	1.63	28	30	3.36	< 10	3	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				339	169	< 1	228	9	27	6.99			146	1.0	< 2	0.07	41	351	13.4	20	2	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3020																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	504																						
Oreas E1336 (Fire Assay) Cert	510																						
1096159 Orig	< 5																						
1096159 Dup	< 5																						
1096163 Orig		< 0.2	< 0.5	115	355	< 1	38	< 2	38	2.38	< 2	< 10	< 10	< 0.5	< 2	2.24	14	49	2.23	< 10	< 1	0.02	< 10
1096163 Dup		< 0.2	< 0.5	113	360	< 1	37	< 2	34	2.38	< 2	< 10	< 10	< 0.5	< 2	2.26	14	49	2.25	< 10	< 1	0.02	< 10
1096169 Orig	8																						
1096169 Dup	8																						
1096173 Orig	10																						
1096173 Dup	7																						
1096177 Orig		< 0.2	< 0.5	37	562	< 1	89	< 2	30	2.72	< 2	< 10	< 10	< 0.5	< 2	3.38	17	234	4.02	< 10	< 1	0.05	33
1096177 Dup		< 0.2	< 0.5	36	563	< 1	89	< 2	26	2.76	< 2	< 10	< 10	< 0.5	< 2	3.41	17	236	4.03	< 10	< 1	0.05	33
1096189 Orig	< 5																						
1096190 Orig		< 0.2	< 0.5	19	642	3	7	< 2	37	1.21	3	< 10	64	< 0.5	< 2	1.13	4	15	2.55	< 10	< 1	0.10	< 10
1096190 Dup		< 0.2	< 0.5	18	617	3	6	< 2	35	1.15	3	< 10	60	< 0.5	< 2	1.07	4	14	2.42	< 10	< 1	0.09	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						



Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
OREAS 922 (AQUA REGIA) Meas	1.32	0.027	0.062	0.37	3	4	16		< 20		< 2	< 10	34	< 10	19	21	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.42		0.060	0.68	3	4	15		< 20		< 2	< 10	34	< 10	18	34	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 621 (Aqua Regia) Meas	0.43	0.185	0.033	4.37	118	2	19		< 20		< 2	< 10	12	< 10	7	68	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																	11.8
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.17	0.042	0.021	0.02		31	16	0.11	< 20		< 2	< 10	195		6	13	
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 257b (Fire Assay) Meas																	14.0
OREAS 257b (Fire Assay) Cert																	14.2
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
1096159 Orig																	
1096159 Dup																	
1096163 Orig	0.87	0.293	0.030	0.06	< 2	7	62	0.14	< 20	2	< 2	< 10	60	< 10	6	1	
1096163 Dup	0.87	0.296	0.030	0.06	< 2	7	62	0.14	< 20	1	< 2	< 10	60	< 10	6	1	
1096169 Orig																	
1096169 Dup																	
1096173 Orig																	
1096173 Dup																	
1096177 Orig	2.10	0.059	0.081	< 0.01	3	9	350	0.25	< 20	< 1	< 2	< 10	75	< 10	7	9	
1096177 Dup	2.09	0.060	0.082	< 0.01	3	9	356	0.25	< 20	< 1	< 2	< 10	77	< 10	7	10	
1096189 Orig																	
1096190 Orig	0.48	0.081	0.040	0.04	< 2	4	48	0.11	< 20	< 1	< 2	< 10	26	< 10	10	5	
1096190 Dup	0.45	0.076	0.038	0.04	< 2	3	45	0.11	< 20	< 1	< 2	< 10	25	< 10	9	6	
Method Blank																	
Method Blank																	
Method Blank																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Method Blank																	< 0.03
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	



Ardiden Canada Ltd.  
684 Squire St.  
Thunder Bay ON  
Canada

Report No.: A20-15591  
Report Date: 30-Dec-20  
Date Submitted: 04-Dec-20  
Your Reference: Kasagiminnis

ATTN: Rob Longley

### CERTIFICATE OF ANALYSIS

70 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-12-20 09:17:00
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-12-18 20:37:58

REPORT      **A20-15591**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.  
Quality Control Coordinator

**ACTIVATION LABORATORIES LTD.**  
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## Results

## Activation Laboratories Ltd.

## Report: A20-15591

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096191	< 5	< 0.2	< 0.5	6	444	< 1	42	< 2	23	2.64	< 2	29	11	< 0.5	< 2	2.03	13	76	2.98	10	< 1	0.06	16
1096192	5	< 0.2	< 0.5	15	431	< 1	49	< 2	23	2.72	< 2	29	11	< 0.5	2	1.82	13	135	3.08	< 10	< 1	0.07	16
1096193	< 5	< 0.2	< 0.5	19	464	< 1	42	< 2	27	1.98	< 2	10	14	< 0.5	< 2	1.45	13	116	2.80	< 10	< 1	0.05	23
1096194	8	< 0.2	< 0.5	25	472	< 1	39	< 2	29	2.00	< 2	16	13	< 0.5	< 2	3.06	20	96	2.99	< 10	< 1	0.05	43
1096195	5	< 0.2	< 0.5	25	403	< 1	28	4	25	1.37	< 2	18	21	< 0.5	< 2	2.54	12	82	2.06	< 10	< 1	0.08	36
1096196	5	< 0.2	< 0.5	46	642	< 1	47	< 2	34	2.18	< 2	15	38	< 0.5	< 2	2.96	17	129	2.84	< 10	< 1	0.12	39
1096197	16	0.3	0.5	212	606	< 1	28	4	147	1.89	3	< 10	26	< 0.5	< 2	4.25	21	58	2.67	< 10	< 1	0.10	15
1096198	< 5	< 0.2	< 0.5	36	590	1	18	6	34	1.74	< 2	18	68	< 0.5	< 2	2.50	10	54	1.94	< 10	< 1	0.17	17
1096199	< 5	< 0.2	< 0.5	4	520	< 1	25	< 2	26	1.83	< 2	< 10	34	< 0.5	< 2	2.15	12	71	2.06	< 10	< 1	0.13	13
1096200	570	0.7	0.7	120	708	6	12	92	150	1.39	44	11	88	< 0.5	< 2	1.11	6	25	2.76	< 10	< 1	0.13	< 10
1096201	6	0.2	< 0.5	46	574	< 1	61	8	56	2.62	< 2	< 10	47	< 0.5	< 2	2.13	22	135	3.77	< 10	< 1	0.15	21
1096202	7	0.3	0.7	83	472	< 1	59	48	360	2.04	< 2	< 10	58	< 0.5	< 2	1.25	19	132	4.25	< 10	< 1	0.19	22
1096203	10	0.3	< 0.5	224	595	< 1	51	17	56	2.07	< 2	< 10	38	< 0.5	< 2	1.65	24	92	4.94	< 10	< 1	0.33	23
1096204	14	0.3	< 0.5	177	632	< 1	66	6	52	2.12	< 2	< 10	29	< 0.5	< 2	1.65	25	107	5.86	< 10	< 1	0.40	23
1096205	13	0.3	< 0.5	189	620	< 1	68	5	53	2.10	< 2	< 10	29	< 0.5	< 2	1.64	23	106	5.86	< 10	2	0.40	24
1096206	< 5	< 0.2	< 0.5	25	607	< 1	40	3	45	2.01	< 2	< 10	96	< 0.5	< 2	1.47	12	113	2.99	< 10	< 1	0.33	27
1096207	14	< 0.2	< 0.5	38	595	< 1	35	< 2	37	2.10	< 2	< 10	220	< 0.5	< 2	1.43	13	99	2.96	< 10	< 1	0.75	28
1096208	10	< 0.2	< 0.5	61	593	< 1	43	< 2	34	2.30	< 2	< 10	192	< 0.5	< 2	1.70	13	102	3.41	< 10	< 1	0.56	27
1096209	8	< 0.2	< 0.5	65	569	< 1	44	2	39	1.93	< 2	< 10	129	< 0.5	< 2	1.39	21	91	3.59	< 10	< 1	0.74	24
1096210	< 5	< 0.2	< 0.5	20	655	3	6	< 2	35	1.34	< 2	< 10	65	< 0.5	< 2	1.18	6	15	2.49	< 10	< 1	0.10	< 10
1096211	7	< 0.2	< 0.5	93	587	< 1	58	6	56	2.00	< 2	< 10	47	< 0.5	< 2	1.33	22	134	4.16	< 10	2	0.67	24
1096212	< 5	< 0.2	< 0.5	45	571	< 1	44	< 2	43	1.74	< 2	< 10	208	< 0.5	< 2	1.49	15	116	2.86	< 10	< 1	0.51	26
1096213	7	< 0.2	< 0.5	66	440	< 1	70	< 2	27	1.75	< 2	< 10	63	< 0.5	< 2	1.78	18	180	2.42	< 10	< 1	0.09	34
1096214	8	< 0.2	< 0.5	66	489	< 1	59	< 2	32	2.15	< 2	< 10	106	< 0.5	< 2	2.49	16	156	2.60	< 10	< 1	0.25	27
1096215	10	< 0.2	< 0.5	123	605	< 1	44	27	60	2.07	< 2	< 10	95	< 0.5	< 2	1.77	18	131	2.77	< 10	< 1	0.31	24
1096216	5	< 0.2	< 0.5	28	517	< 1	39	< 2	42	2.68	< 2	< 10	73	< 0.5	< 2	1.66	14	129	2.20	< 10	< 1	0.21	29
1096217	< 5	< 0.2	< 0.5	16	561	< 1	38	< 2	51	2.87	< 2	< 10	26	< 0.5	< 2	1.09	13	107	2.87	< 10	< 1	0.13	22
1096218	< 5	< 0.2	< 0.5	2	458	< 1	29	< 2	37	2.24	< 2	10	30	< 0.5	< 2	1.22	9	99	2.33	< 10	< 1	0.13	26
1096219	6	< 0.2	< 0.5	20	470	< 1	43	< 2	60	2.55	< 2	15	63	< 0.5	< 2	1.41	15	117	2.68	< 10	< 1	0.19	28
1096220	2950	11.1	5.2	80	448	4	28	383	754	1.44	4130	< 10	27	< 0.5	< 2	2.64	14	27	8.27	< 10	< 1	0.25	14
1096221	5	< 0.2	< 0.5	24	454	< 1	25	< 2	102	2.27	2	21	50	0.5	< 2	1.76	10	70	2.06	< 10	< 1	0.18	30
1096222	11	< 0.2	< 0.5	72	601	< 1	41	5	66	2.48	2	10	34	< 0.5	< 2	1.01	22	85	3.52	< 10	< 1	0.13	20
1096223	5	< 0.2	< 0.5	28	692	< 1	44	< 2	42	3.52	< 2	34	15	< 0.5	< 2	0.84	20	77	4.50	10	1	0.06	< 10
1096224	6	< 0.2	< 0.5	25	595	< 1	45	< 2	53	4.46	< 2	66	13	0.9	< 2	0.46	21	85	4.43	10	< 1	0.08	< 10
1096225	5	< 0.2	< 0.5	17	450	< 1	31	< 2	38	2.11	< 2	15	30	< 0.5	< 2	0.86	18	62	2.79	< 10	< 1	0.13	14
1096226	6	< 0.2	< 0.5	10	380	< 1	17	< 2	33	1.39	< 2	39	18	< 0.5	< 2	0.82	12	47	2.19	< 10	< 1	0.06	11
1096227	10	< 0.2	< 0.5	128	838	< 1	58	< 2	61	2.08	< 2	13	52	< 0.5	< 2	3.88	28	116	5.08	< 10	< 1	0.10	14
1096228	18	< 0.2	< 0.5	196	396	< 1	17	5	26	0.89	< 2	12	14	< 0.5	< 2	1.32	42	25	3.88	< 10	< 1	0.02	99
1096229	8	< 0.2	< 0.5	174	655	< 1	17	< 2	48	1.62	< 2	14	65	0.6	< 2	3.11	22	15	4.90	< 10	2	0.13	30
1096230	< 5	< 0.2	< 0.5	19	645	3	6	2	34	1.29	< 2	< 10	62	< 0.5	< 2	1.15	5	14	2.49	< 10	< 1	0.10	< 10
1096231	16	< 0.2	< 0.5	30	601	< 1	3	< 2	53	2.46	2	< 10	25	< 0.5	< 2	3.52	28	13	7.59	10	2	0.07	10
1096232	6	< 0.2	< 0.5	35	666	< 1	2	2	142	2.64	< 2	< 10	57	< 0.5	3	2.67	26	27	7.41	10	2	0.16	< 10
1096233	14	< 0.2	< 0.5	18	607	< 1	3	< 2	89	1.68	< 2	< 10	< 10	< 0.5	3	2.20	19	35	7.91	10	< 1	0.05	12
1096234	322	< 0.2	< 0.5	32	487	< 1	2	2	59	1.04	< 2	< 10	< 10	< 0.5	< 2	2.01	19	21	8.09	10	2	0.02	13
1096235	< 5	< 0.2	0.5	8	628	< 1	2	< 2	103	1.43	< 2	< 10	29	< 0.5	2	1.73	16	41	8.40	10	2	0.06	12
1096236	< 5	< 0.2	< 0.5	8	802	< 1	3	< 2	102	1.87	< 2	< 10	14	0.6	< 2	2.17	9	48	7.07	10	1	0.08	18
1096237	< 5	< 0.2	< 0.5	10	847	< 1	3	< 2	91	1.65	< 2	< 10	18	< 0.5	< 2	2.02	8	38	6.87	10	2	0.06	19
1096238	< 5	< 0.2	< 0.5	7	832	< 1	2	< 2	107	1.87	< 2	< 10	20	0.6	< 2	2.37	9	35	7.45	10	< 1	0.08	16
1096239	< 5	< 0.2	< 0.5	14	892	< 1	2	3	101	1.91	< 2	< 10	27	< 0.5	2	2.78	12	17	8.19	10	2	0.08	14
1096240	4880	2.0	3.1	377	364	8	25	125	616	1.56	6790	< 10	12	< 0.5	< 2	1.71	16	29	11.8	< 10	< 1	0.25	< 10
1096241	< 5	< 0.2	< 0.5	11	841	< 1	2	< 2	90	2.71	< 2	< 10	20	0.8	< 2	2.30	12	41	8.55	20	2	0.09	16

## Results

## Activation Laboratories Ltd.

## Report: A20-15591

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096242	< 5	< 0.2	< 0.5	5	888	< 1	2	< 2	72	3.05	< 2	< 10	15	1.1	4	3.53	12	19	8.32	20	1	0.06	14
1096243	< 5	< 0.2	< 0.5	12	927	< 1	3	< 2	102	2.13	< 2	< 10	18	0.6	< 2	2.13	12	31	8.45	10	2	0.10	15
1096244	< 5	< 0.2	< 0.5	4	992	< 1	3	< 2	118	2.08	< 2	< 10	28	0.6	< 2	2.12	12	41	8.91	10	1	0.10	15
1096245	< 5	< 0.2	< 0.5	4	917	< 1	3	< 2	113	1.98	< 2	< 10	28	0.6	< 2	2.04	12	38	8.50	10	2	0.10	15
1096246	< 5	< 0.2	< 0.5	20	1060	< 1	2	< 2	109	2.45	< 2	< 10	54	< 0.5	5	2.78	16	25	7.85	10	< 1	0.14	12
1096247	58	< 0.2	< 0.5	27	987	< 1	2	< 2	78	1.82	< 2	< 10	64	< 0.5	< 2	2.77	10	43	6.58	10	1	0.10	17
1096248	5	< 0.2	< 0.5	70	1070	< 1	1	< 2	103	2.54	< 2	< 10	68	< 0.5	< 2	3.46	20	12	9.60	10	1	0.13	12
1096249	< 5	< 0.2	< 0.5	8	946	< 1	3	< 2	79	2.14	< 2	< 10	58	0.5	2	1.94	16	24	8.09	10	< 1	0.11	12
1096250	< 5	< 0.2	< 0.5	20	665	3	6	< 2	35	1.34	< 2	< 10	65	< 0.5	< 2	1.18	5	14	2.58	< 10	< 1	0.11	< 10
1096251	< 5	< 0.2	< 0.5	1	967	< 1	2	< 2	71	2.36	< 2	< 10	68	< 0.5	< 2	3.21	11	39	7.14	10	2	0.13	11
1096252	773	0.2	< 0.5	31	846	< 1	5	3	45	1.88	< 2	< 10	11	< 0.5	3	2.82	23	29	8.28	10	2	0.06	< 10
1096253	45	< 0.2	< 0.5	10	798	< 1	3	< 2	48	1.88	< 2	< 10	29	< 0.5	< 2	2.83	25	14	6.83	< 10	2	0.10	< 10
1096254	120	< 0.2	< 0.5	20	707	< 1	3	< 2	39	1.90	< 2	< 10	69	< 0.5	2	2.87	26	15	6.85	10	1	0.20	< 10
1096255	6	< 0.2	< 0.5	25	634	< 1	3	< 2	30	1.28	< 2	< 10	16	< 0.5	< 2	2.57	19	15	4.55	< 10	< 1	0.08	< 10
1096256	< 5	< 0.2	< 0.5	2	686	< 1	4	< 2	34	1.19	< 2	< 10	< 10	< 0.5	< 2	1.99	23	21	7.62	< 10	2	0.04	< 10
1096257	5	< 0.2	< 0.5	13	690	< 1	4	< 2	32	1.12	< 2	< 10	12	< 0.5	< 2	1.79	23	29	8.43	< 10	< 1	0.04	< 10
1096258	9	< 0.2	< 0.5	76	677	< 1	15	< 2	64	1.95	< 2	< 10	22	< 0.5	< 2	2.63	31	30	5.41	< 10	1	0.07	< 10
1096259	8	< 0.2	< 0.5	103	658	< 1	41	< 2	59	3.65	< 2	< 10	17	< 0.5	< 2	0.36	20	108	4.46	10	2	0.08	22
1096260	558	0.7	0.8	121	702	6	12	91	149	1.37	38	< 10	88	< 0.5	< 2	1.08	6	24	2.75	< 10	< 1	0.13	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096191	2.38	0.055	0.053	< 0.01	< 2	7	41	0.18	< 20	3	< 2	< 10	68	< 10	5	13
1096192	2.46	0.065	0.058	< 0.01	< 2	9	25	0.23	< 20	2	< 2	< 10	79	< 10	5	15
1096193	1.90	0.076	0.072	0.05	< 2	6	16	0.20	< 20	2	< 2	< 10	74	< 10	6	11
1096194	1.94	0.065	0.082	0.15	< 2	6	23	0.16	< 20	2	< 2	< 10	56	< 10	7	8
1096195	1.15	0.073	0.077	0.11	< 2	5	28	0.15	< 20	1	< 2	< 10	50	< 10	7	8
1096196	1.62	0.089	0.058	0.12	< 2	8	30	0.19	< 20	2	< 2	< 10	74	< 10	8	12
1096197	1.37	0.083	0.045	0.38	< 2	3	30	0.12	< 20	3	< 2	< 10	40	< 10	5	12
1096198	0.97	0.098	0.041	0.17	< 2	4	37	0.13	< 20	5	< 2	< 10	41	< 10	5	11
1096199	1.29	0.083	0.042	0.02	< 2	5	22	0.14	< 20	2	< 2	< 10	60	< 10	4	12
1096200	0.55	0.113	0.037	0.10	2	4	52	0.13	< 20	1	< 2	< 10	37	< 10	11	9
1096201	1.90	0.084	0.048	0.25	< 2	11	27	0.18	< 20	3	< 2	< 10	108	< 10	8	15
1096202	1.76	0.106	0.054	0.76	2	7	17	0.17	< 20	1	< 2	< 10	83	< 10	6	23
1096203	1.71	0.097	0.053	1.35	< 2	5	20	0.17	< 20	2	< 2	< 10	70	< 10	6	28
1096204	1.72	0.129	0.055	1.72	3	6	26	0.16	< 20	2	< 2	< 10	70	< 10	6	31
1096205	1.72	0.126	0.056	1.76	< 2	6	26	0.16	< 20	2	< 2	< 10	69	< 10	6	29
1096206	1.64	0.124	0.057	0.22	< 2	7	29	0.20	< 20	< 1	< 2	< 10	71	< 10	7	20
1096207	1.65	0.128	0.060	0.15	< 2	7	34	0.20	< 20	4	< 2	< 10	72	< 10	6	18
1096208	1.61	0.107	0.056	0.18	< 2	7	41	0.20	< 20	2	< 2	< 10	67	< 10	7	20
1096209	1.72	0.113	0.052	0.44	< 2	6	26	0.15	< 20	2	< 2	< 10	65	< 10	5	19
1096210	0.48	0.081	0.039	0.04	< 2	4	52	0.12	< 20	2	< 2	< 10	28	< 10	11	7
1096211	1.85	0.107	0.058	0.76	2	8	20	0.18	< 20	1	< 2	< 10	81	< 10	6	24
1096212	1.65	0.114	0.055	0.05	< 2	6	24	0.18	< 20	1	< 2	< 10	68	< 10	5	16
1096213	1.71	0.107	0.084	0.13	2	5	27	0.21	< 20	2	< 2	< 10	77	< 10	7	9
1096214	1.69	0.103	0.069	0.25	< 2	6	47	0.17	< 20	< 1	< 2	< 10	66	< 10	6	12
1096215	1.45	0.151	0.056	0.42	< 2	6	43	0.15	< 20	2	< 2	< 10	67	< 10	6	13
1096216	1.75	0.229	0.062	0.07	< 2	5	73	0.13	< 20	2	< 2	< 10	67	< 10	6	10
1096217	2.44	0.115	0.056	0.02	< 2	7	33	0.14	< 20	3	< 2	< 10	70	< 10	7	8
1096218	1.77	0.129	0.061	< 0.01	< 2	5	40	0.12	< 20	1	< 2	< 10	56	< 10	6	8
1096219	2.06	0.123	0.056	0.07	< 2	5	33	0.16	< 20	4	< 2	< 10	65	< 10	7	11
1096220	0.88	0.031	0.055	1.08	5	2	148	0.02	< 20	< 1	< 2	< 10	23	19	4	15
1096221	1.58	0.095	0.067	0.03	< 2	4	34	0.11	< 20	2	< 2	< 10	38	< 10	7	5
1096222	1.94	0.129	0.058	0.34	< 2	5	37	0.14	< 20	3	< 2	< 10	58	< 10	5	13
1096223	3.28	0.054	0.055	0.07	< 2	7	27	0.18	< 20	< 1	< 2	< 10	70	< 10	5	12
1096224	4.23	0.059	0.057	0.08	< 2	8	24	0.15	< 20	< 1	< 2	< 10	79	< 10	6	8
1096225	1.70	0.075	0.077	0.11	< 2	6	24	0.11	< 20	3	< 2	< 10	51	< 10	5	8
1096226	1.28	0.050	0.044	0.08	< 2	3	14	0.08	< 20	2	< 2	< 10	23	< 10	6	9
1096227	1.81	0.234	0.045	0.82	< 2	16	32	0.24	< 20	3	< 2	< 10	143	< 10	14	6
1096228	0.72	0.083	0.060	1.76	< 2	7	21	0.13	< 20	3	< 2	< 10	73	< 10	11	6
1096229	1.25	0.155	0.059	0.56	< 2	15	39	0.22	< 20	< 1	< 2	< 10	143	< 10	19	7
1096230	0.47	0.078	0.038	0.04	< 2	4	49	0.12	< 20	3	< 2	< 10	27	< 10	11	7
1096231	1.15	0.097	0.102	0.29	< 2	17	29	0.34	< 20	2	< 2	< 10	66	< 10	33	7
1096232	1.17	0.267	0.092	0.37	< 2	22	9	0.25	< 20	2	< 2	< 10	24	< 10	32	6
1096233	0.59	0.202	0.103	0.29	2	18	11	0.20	< 20	< 1	< 2	< 10	4	< 10	37	7
1096234	0.32	0.117	0.117	0.57	3	14	13	0.17	< 20	1	< 2	< 10	5	< 10	31	9
1096235	0.40	0.190	0.117	0.12	3	18	10	0.17	< 20	1	< 2	< 10	2	< 10	40	8
1096236	0.43	0.213	0.136	0.08	2	12	17	0.14	< 20	< 1	< 2	< 10	< 1	< 10	54	8
1096237	0.29	0.164	0.151	0.11	< 2	10	18	0.13	< 20	< 1	< 2	< 10	1	< 10	52	9
1096238	0.37	0.217	0.148	0.07	2	11	12	0.13	< 20	< 1	< 2	< 10	1	< 10	52	9
1096239	0.40	0.210	0.140	0.18	< 2	13	16	0.15	< 20	< 1	< 2	< 10	1	< 10	44	10
1096240	0.96	0.026	0.053	3.15	5	2	128	0.02	< 20	1	< 2	< 10	18	23	3	25
1096241	0.77	0.210	0.155	0.13	2	14	38	0.18	< 20	< 1	< 2	< 10	2	< 10	49	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096242	0.49	0.155	0.129	0.11	2	14	26	0.20	< 20	2	< 2	< 10	1	< 10	46	8
1096243	0.34	0.236	0.144	0.07	2	14	17	0.16	< 20	1	< 2	< 10	1	< 10	49	10
1096244	0.32	0.264	0.134	0.02	4	15	13	0.18	< 20	3	< 2	< 10	2	< 10	51	10
1096245	0.30	0.252	0.133	0.03	3	14	13	0.17	< 20	< 1	< 2	< 10	2	< 10	48	10
1096246	0.41	0.280	0.121	0.06	< 2	15	28	0.21	< 20	3	< 2	< 10	1	< 10	40	8
1096247	0.30	0.238	0.096	0.13	3	13	21	0.18	< 20	2	< 2	< 10	2	< 10	56	12
1096248	0.54	0.287	0.150	0.25	3	15	22	0.15	< 20	1	< 2	< 10	1	< 10	37	9
1096249	0.44	0.227	0.125	0.05	3	14	9	0.15	< 20	1	< 2	< 10	2	< 10	37	10
1096250	0.49	0.083	0.039	0.04	< 2	4	52	0.12	< 20	3	< 2	< 10	29	< 10	11	7
1096251	0.47	0.248	0.126	0.01	< 2	16	41	0.21	< 20	3	< 2	< 10	1	< 10	34	9
1096252	0.75	0.285	0.099	0.72	3	19	12	0.20	< 20	2	< 2	< 10	79	< 10	33	10
1096253	0.92	0.307	0.054	0.06	< 2	25	13	0.34	< 20	2	< 2	< 10	94	< 10	19	6
1096254	1.08	0.242	0.065	0.14	2	23	18	0.24	< 20	2	< 2	< 10	102	< 10	21	6
1096255	0.95	0.217	0.065	0.08	< 2	19	13	0.33	< 20	2	< 2	< 10	68	< 10	23	7
1096256	0.89	0.239	0.063	< 0.01	2	18	8	0.28	< 20	4	< 2	< 10	215	< 10	23	6
1096257	0.88	0.211	0.074	0.02	3	19	8	0.25	< 20	2	< 2	< 10	191	< 10	24	7
1096258	1.30	0.311	0.023	0.13	3	19	19	0.34	< 20	6	< 2	< 10	309	< 10	8	4
1096259	3.29	0.043	0.056	0.12	< 2	8	11	0.10	< 20	2	< 2	< 10	76	< 10	5	7
1096260	0.55	0.113	0.038	0.10	4	4	52	0.13	< 20	3	< 2	< 10	36	< 10	11	9



Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	70	1040	1	25	98	122	7.32	226	< 10	726	0.8	3	0.13	14	79	5.68	20	2	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1050	1	23	98	122	7.29	215	< 10	724	0.8	3	0.13	13	79	5.76	20	3	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	69	1020	< 1	25	95	121	7.12	204	< 10	826	0.8	2	0.15	13	78	5.52	20	2	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	71	1010	< 1	24	92	117	7.10	215	< 10	770	0.8	3	0.14	13	77	5.44	20	2	1.08	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.4	< 0.5	70	1020	< 1	22	96	119	7.09	203	< 10	781	0.8	3	0.15	14	78	5.43	20	< 1	1.07	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2280	761	< 1	34	62	253	3.03	7		84	0.8	8	0.43	19	45	5.21	< 10		0.51	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2340	770	< 1	35	62	257	3.10	4		81	0.7	8	0.43	20	46	5.30	< 10		0.49	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2200	761	< 1	35	62	256	2.96	5		80	0.7	8	0.42	19	46	5.05	< 10		0.48	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2370	778	< 1	33	60	258	3.07	6		72	0.7	9	0.43	20	47	5.19	< 10		0.49	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2350	766	< 1	35	61	259	3.03	6		68	0.7	6	0.43	19	46	5.17	< 10		0.48	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.3	< 0.5	4640	880	< 1	34	82	327	3.06	8		66	0.7	20	0.43	22	43	6.13	< 10		0.41	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4640	877	< 1	33	83	334	3.07	9		65	0.7	19	0.43	22	43	6.09	< 10		0.42	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4330	850	< 1	31	88	328	2.95	6		65	0.7	26	0.42	22	41	5.78	< 10		0.42	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923		2.2	< 0.5	4570	873	< 1	31	84	324	3.01	7		49	0.7	21	0.43	22	43	5.93	< 10		0.41	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.7	> 10000					87	401						48		46						
Oreas 96 (Aqua Regia) Cert		11.50	39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.7	> 10000					89	400						30		46						
Oreas 96 (Aqua Regia) Cert		11.50	39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.8	> 10000					88	398						63		46						
Oreas 96 (Aqua Regia) Cert		11.50	39100.00					100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.7	> 10000					87	403						57		46						
Oreas 96 (Aqua Regia) Cert		11.50	39100.00					100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		67.6	293	3650	530	12	23	> 5000	> 10000	1.84	75			0.6	5	1.69	30	28	3.34	10	4	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		69.7	303	3720	543	12	27	> 5000	> 10000	1.87	77			0.6	2	1.73	30	33	3.43	10	4	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.3	298	3650	546	12	25	> 5000	> 10000	1.85	75			0.6	7	1.70	29	31	3.36	< 10	4	0.37	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.2	283	3690	535	12	23	> 5000	> 10000	1.82	74			0.6	7	1.67	30	32	3.27	10	4	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.2	290	3710	537	13	24	> 5000	> 10000	1.85	73			0.6	8	1.72	29	30	3.30	< 10	4	0.37	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 45f (Aqua Regia) Meas				357	172	< 1	231	10	26	7.61			134	1.0	6	0.07	39	340	13.8	20	< 1	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				367	171	< 1	217	9	26	7.59			127	1.0	7	0.07	40	350	13.9	20	< 1	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				366	165	< 1	228	7	26	7.44			133	0.9	2	0.07	39	339	13.7	20	< 1	0.10	10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	2960																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2930																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3040																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	499																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	504																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	508																						
Oreas E1336 (Fire Assay) Cert	510																						
1096196 Orig		< 0.2	< 0.5	46	629	< 1	46	< 2	33	2.13	< 2	14	36	< 0.5	< 2	2.91	17	126	2.79	< 10	< 1	0.12	39
1096196 Dup		< 0.2	< 0.5	45	656	< 1	48	3	34	2.22	< 2	15	39	< 0.5	< 2	3.01	17	131	2.89	< 10	< 1	0.13	40
1096199 Orig	< 5																						
1096199 Dup	< 5																						
1096209 Orig	7	< 0.2	< 0.5	65	566	< 1	44	2	40	1.91	< 2	< 10	126	< 0.5	< 2	1.38	21	91	3.55	< 10	< 1	0.73	24
1096209 Dup	8	< 0.2	< 0.5	66	572	< 1	45	3	39	1.95	< 2	< 10	132	< 0.5	< 2	1.40	21	91	3.63	< 10	< 1	0.75	25
1096213 Orig	7																						
1096213 Dup	6																						
1096220 Orig		10.5	5.1	77	444	4	28	378	747	1.42	4070	< 10	31	< 0.5	< 2	2.62	14	27	8.15	< 10	< 1	0.24	14
1096220 Dup		11.8	5.3	82	452	4	28	388	762	1.46	4200	< 10	23	< 0.5	< 2	2.66	13	28	8.39	< 10	< 1	0.25	14
1096233 Orig		< 0.2	< 0.5	19	610	< 1	4	< 2	89	1.69	< 2	< 10	< 10	< 0.5	3	2.20	18	41	7.98	10	< 1	0.05	12
1096233 Dup		< 0.2	< 0.5	18	604	< 1	2	3	88	1.68	< 2	< 10	< 10	< 0.5	2	2.19	20	30	7.85	10	2	0.05	12
1096234 Orig	338																						
1096234 Dup	305																						
1096239 Orig	< 5	< 0.2	< 0.5	14	892	< 1	2	3	101	1.91	< 2	< 10	27	< 0.5	2	2.78	12	17	8.19	10	2	0.08	14
1096239 Split PREP DUP	25	< 0.2	< 0.5	17	892	< 1	1	< 2	101	1.91	2	< 10	29	< 0.5	2	2.68	13	31	8.22	10	1	0.08	14
1096245 Orig		< 0.2	< 0.5	4	928	< 1	3	2	113	1.99	< 2	< 10	28	0.6	< 2	2.05	12	46	8.51	10	2	0.10	15
1096245 Dup		< 0.2	< 0.5	4	905	< 1	3	< 2	112	1.98	< 2	< 10	28	0.6	< 2	2.03	11	29	8.49	10	2	0.10	15
1096257 Orig		< 0.2	< 0.5	13	691	< 1	3	< 2	32	1.12	< 2	< 10	12	< 0.5	3	1.79	24	22	8.50	< 10	2	0.04	< 10
1096257 Dup		< 0.2	< 0.5	13	688	< 1	5	< 2	32	1.11	2	< 10	11	< 0.5	< 2	1.78	23	36	8.37	< 10	< 1	0.04	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.40	0.140	0.033	0.01	4	19	30		< 20	< 1	< 2	< 10	171	< 10	5	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.40	0.135	0.033	0.01	3	18	30		< 20	< 1	< 2	< 10	170	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.41	0.152	0.032	0.01	3	18	33		< 20	< 1	< 2	< 10	165	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.148	0.033	0.01	3	18	32		< 20	< 1	< 2	< 10	169	< 10	5	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.148	0.032	0.01	< 2	18	33		< 20	< 1	< 2	< 10	170	< 10	5	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.37	0.032	0.063	0.36	< 2	4	17		< 20		< 2	< 10	37	< 10	21	22
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.40	0.031	0.063	0.38	< 2	4	17		< 20		< 2	< 10	37	< 10	21	21
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.031	0.061	0.36	< 2	4	17		< 20		< 2	< 10	36	< 10	21	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.35	0.032	0.062	0.37	< 2	4	17		< 20		< 2	< 10	37	< 10	21	15
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.43	0.029	0.065	0.38	< 2	4	17		< 20		< 2	< 10	38	< 10	21	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.48		0.060	0.69	3	4	16		< 20		< 2	< 10	36	< 10	19	21
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.69	4	4	15		< 20		< 2	< 10	36	< 10	19	27
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.44		0.057	0.65	3	4	15		< 20		< 2	< 10	35	< 10	19	26
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923	1.42		0.058	0.67	< 2	4	15		< 20		2	< 10	36	< 10	19	13

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(AQUA REGIA) Meas																
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				3.78	5											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				3.75	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				3.77	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				4.01	5											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.44	0.176	0.033	4.52	105	2	19	< 20			< 2	< 10	13	< 10	8	66
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.179	0.033	4.71	101	2	19	< 20			< 2	< 10	13	< 10	8	59
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.46	0.181	0.032	4.48	103	2	20	< 20			< 2	< 10	13	< 10	8	55
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.42	0.172	0.032	4.26	100	2	20	< 20			< 2	< 10	13	< 10	7	58
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.45	0.176	0.033	4.75	98	2	19	< 20			< 2	< 10	14	< 10	8	53
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9	5.91			0.770	1.63	10.9	1.00	6.87	55.0
OREAS 45f (Aqua Regia) Meas	0.18	0.049	0.021	0.02		25	15	0.15	< 20		< 2	< 10	204		5	25
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.18	0.049	0.020	0.02		25	15	0.12	< 20		< 2	< 10	205		5	15
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.19	0.047	0.020	0.02		25	14	0.10	< 20		< 2	< 10	208		5	11
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
1096196 Orig	1.59	0.086	0.057	0.12	< 2	7	30	0.18	< 20	2	< 2	< 10	73	< 10	8	12
1096196 Dup	1.65	0.092	0.059	0.12	< 2	8	31	0.19	< 20	1	< 2	< 10	76	< 10	8	13
1096199 Orig																
1096199 Dup																
1096209 Orig	1.69	0.112	0.051	0.43	2	6	26	0.15	< 20	2	< 2	< 10	64	< 10	5	18
1096209 Dup	1.74	0.113	0.052	0.45	< 2	6	26	0.15	< 20	1	< 2	< 10	65	< 10	6	21
1096213 Orig																
1096213 Dup																
1096220 Orig	0.87	0.033	0.054	1.06	4	2	147	0.02	< 20	1	< 2	< 10	23	18	4	15
1096220 Dup	0.89	0.030	0.055	1.10	6	2	150	0.02	< 20	< 1	< 2	< 10	24	19	4	15
1096233 Orig	0.59	0.202	0.104	0.29	3	18	11	0.20	< 20	< 1	< 2	< 10	4	< 10	37	8
1096233 Dup	0.59	0.202	0.103	0.29	2	18	11	0.20	< 20	3	< 2	< 10	4	< 10	37	7
1096234 Orig																
1096234 Dup																
1096239 Orig	0.40	0.210	0.140	0.18	< 2	13	16	0.15	< 20	< 1	< 2	< 10	1	< 10	44	10
1096239 Split PREP DUP	0.40	0.211	0.141	0.22	2	14	16	0.16	< 20	< 1	< 2	< 10	1	< 10	44	11
1096245 Orig	0.30	0.252	0.132	0.03	3	14	13	0.17	< 20	< 1	< 2	< 10	2	< 10	48	10
1096245 Dup	0.30	0.253	0.135	0.03	3	14	13	0.17	< 20	< 1	< 2	< 10	2	< 10	48	10
1096257 Orig	0.89	0.214	0.074	0.02	4	19	8	0.25	< 20	1	< 2	< 10	191	< 10	24	7
1096257 Dup	0.87	0.208	0.073	0.02	2	19	8	0.26	< 20	2	< 2	< 10	191	< 10	24	8
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.005	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
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Method Blank																
Method Blank																
Method Blank																



Report No.: A21-00094
Report Date: 28-Jan-21
Date Submitted: 05-Jan-21
Your Reference:

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Daniel Grabiec

CERTIFICATE OF ANALYSIS

73 Core samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test name, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A21-00094

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

## Results

## Activation Laboratories Ltd.

## Report: A21-00094

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096261	10	< 0.2	< 0.5	96	699	< 1	16	< 2	46	1.52	< 2	< 10	19	< 0.5	< 2	2.43	26	20	5.73	< 10	< 1	0.07	< 10
1096262	< 5	< 0.2	< 0.5	12	704	< 1	8	< 2	35	1.36	< 2	< 10	< 10	< 0.5	< 2	2.57	18	20	4.98	< 10	< 1	0.06	< 10
1096263	< 5	< 0.2	< 0.5	17	657	< 1	10	< 2	38	1.59	< 2	< 10	< 10	< 0.5	< 2	2.46	21	20	5.25	< 10	< 1	0.06	< 10
1096264	20	< 0.2	< 0.5	78	787	< 1	14	< 2	52	2.23	< 2	< 10	70	< 0.5	< 2	3.07	27	17	6.39	< 10	< 1	0.30	< 10
1096265	20	< 0.2	< 0.5	9	706	< 1	2	< 2	54	1.55	< 2	< 10	27	< 0.5	< 2	2.44	21	25	8.19	10	< 1	0.12	< 10
1096266	13	< 0.2	< 0.5	3	816	< 1	2	< 2	51	1.41	< 2	< 10	< 10	< 0.5	< 2	3.63	14	22	8.08	10	< 1	0.02	< 10
1096267	298	< 0.2	< 0.5	11	608	< 1	2	< 2	77	1.13	2	< 10	< 10	< 0.5	< 2	1.88	13	30	6.71	10	< 1	0.01	13
1096268	212	< 0.2	< 0.5	11	937	< 1	4	< 2	87	1.52	< 2	< 10	< 10	< 0.5	< 2	2.53	16	34	7.78	10	< 1	0.01	11
1096269	222	< 0.2	< 0.5	5	806	< 1	3	< 2	74	1.37	< 2	< 10	< 10	< 0.5	< 2	2.00	11	24	7.64	10	< 1	0.01	13
1096270	< 5	< 0.2	< 0.5	19	637	3	6	< 2	36	1.21	3	< 10	64	< 0.5	< 2	1.11	4	14	2.52	< 10	< 1	0.10	< 10
1096271	168	< 0.2	< 0.5	7	942	< 1	2	< 2	97	1.60	2	< 10	< 10	< 0.5	< 2	2.31	14	32	7.74	10	< 1	0.01	12
1096272	513	0.2	< 0.5	6	736	< 1	2	< 2	77	1.62	3	< 10	< 10	< 0.5	< 2	2.73	17	29	6.72	10	< 1	0.02	11
1096273	4030	0.8	< 0.5	28	686	1	2	< 2	60	1.39	3	< 10	21	< 0.5	< 2	3.22	23	17	7.26	< 10	< 1	0.09	< 10
1096274	2720	0.6	< 0.5	26	624	1	2	3	52	1.89	< 2	< 10	32	< 0.5	< 2	3.64	35	11	7.72	10	< 1	0.16	< 10
1096275	1130	0.5	< 0.5	28	691	< 1	3	8	55	2.11	< 2	< 10	< 10	< 0.5	< 2	3.19	37	13	6.82	10	< 1	0.04	< 10
1096276	6	0.3	< 0.5	59	770	< 1	7	38	119	2.55	< 2	< 10	37	< 0.5	< 2	3.40	40	12	7.55	10	< 1	0.08	< 10
1096277	< 5	0.2	1.0	43	663	< 1	4	29	387	2.11	< 2	< 10	17	< 0.5	< 2	2.80	36	10	6.53	< 10	< 1	0.05	< 10
1096278	< 5	0.2	0.5	48	648	< 1	6	41	214	2.13	< 2	< 10	< 10	< 0.5	< 2	3.03	40	13	6.68	< 10	< 1	0.06	< 10
1096279	6	< 0.2	< 0.5	54	625	< 1	8	< 2	50	1.81	2	< 10	< 10	< 0.5	< 2	2.90	42	10	6.26	< 10	< 1	0.06	< 10
1096280	3220	10.8	5.4	75	430	4	26	381	733	1.29	4110	< 10	74	< 0.5	2	2.50	13	26	7.91	< 10	< 1	0.23	13
1096281	23	0.3	< 0.5	103	671	< 1	8	6	49	2.56	2	< 10	22	< 0.5	< 2	3.16	48	6	8.31	10	< 1	0.09	< 10
1096282	< 5	< 0.2	< 0.5	100	632	< 1	14	< 2	33	1.76	< 2	< 10	< 10	< 0.5	< 2	2.76	40	23	6.18	< 10	< 1	0.08	< 10
1096283	10	< 0.2	< 0.5	132	518	< 1	20	< 2	28	2.13	< 2	< 10	< 10	< 0.5	< 2	2.96	19	25	3.60	< 10	< 1	0.05	< 10
1096284	10	< 0.2	< 0.5	62	560	< 1	22	< 2	24	2.30	< 2	< 10	14	< 0.5	< 2	4.24	16	32	3.11	< 10	< 1	0.07	< 10
1096285	7	< 0.2	< 0.5	60	573	< 1	21	< 2	24	2.36	3	< 10	16	< 0.5	< 2	4.24	17	34	3.20	< 10	< 1	0.07	< 10
1096286	11	< 0.2	< 0.5	143	593	< 1	25	< 2	29	2.54	< 2	< 10	< 10	< 0.5	< 2	7.86	19	26	3.73	< 10	< 1	0.03	< 10
1096287	6	< 0.2	< 0.5	153	557	< 1	28	< 2	30	1.63	3	< 10	< 10	< 0.5	< 2	2.08	20	23	3.51	< 10	< 1	0.04	< 10
1096288	< 5	< 0.2	< 0.5	130	534	< 1	26	< 2	26	1.87	< 2	< 10	< 10	< 0.5	< 2	2.15	19	32	3.34	< 10	< 1	0.05	< 10
1096289	< 5	< 0.2	< 0.5	119	592	< 1	29	< 2	37	2.34	< 2	< 10	< 10	< 0.5	< 2	2.66	19	39	3.70	< 10	< 1	0.06	< 10
1096290	< 5	< 0.2	< 0.5	18	624	3	5	2	35	1.16	3	< 10	62	< 0.5	< 2	1.09	4	14	2.43	< 10	< 1	0.10	< 10
1096291	< 5	< 0.2	< 0.5	117	433	< 1	25	< 2	21	1.83	< 2	< 10	< 10	< 0.5	< 2	2.15	17	35	2.71	< 10	< 1	0.04	< 10
1096292	< 5	< 0.2	< 0.5	93	425	< 1	24	< 2	22	1.57	5	< 10	< 10	< 0.5	< 2	2.03	16	30	2.70	< 10	< 1	0.04	< 10
1096293	6	< 0.2	< 0.5	83	447	< 1	25	< 2	19	1.65	< 2	< 10	11	< 0.5	< 2	3.06	16	35	2.93	< 10	< 1	0.05	< 10
1096294	18	< 0.2	< 0.5	133	512	< 1	34	< 2	21	1.93	< 2	< 10	< 10	< 0.5	< 2	2.71	19	42	3.30	< 10	< 1	0.06	< 10
1096295	11	< 0.2	< 0.5	146	545	< 1	49	< 2	28	2.23	< 2	< 10	14	< 0.5	< 2	3.63	21	76	3.49	< 10	< 1	0.07	< 10
1096296	16	0.2	< 0.5	147	476	< 1	50	< 2	23	1.97	< 2	< 10	13	< 0.5	< 2	3.62	19	87	2.90	< 10	< 1	0.07	< 10
1096297	68	< 0.2	< 0.5	172	512	< 1	41	< 2	15	1.75	< 2	< 10	20	< 0.5	< 2	6.12	15	76	2.34	< 10	< 1	0.07	< 10
1096298	< 5	< 0.2	< 0.5	68	409	< 1	49	< 2	33	2.08	< 2	< 10	< 10	< 0.5	< 2	2.13	22	54	4.17	< 10	< 1	0.06	< 10
1096299	< 5	< 0.2	< 0.5	231	324	< 1	27	3	31	1.73	< 2	< 10	12	< 0.5	< 2	1.61	21	50	10.8	< 10	< 1	0.06	< 10
1096300	> 5000	2.3	2.9	364	367	8	23	129	622	1.48	7100	< 10	25	< 0.5	< 2	1.69	16	29	11.8	< 10	< 1	0.25	< 10
1096301	< 5	< 0.2	< 0.5	59	292	< 1	39	< 2	83	2.40	3	< 10	35	< 0.5	< 2	1.48	16	91	8.16	< 10	< 1	0.07	< 10
1096302	< 5	< 0.2	< 0.5	57	482	< 1	63	< 2	81	3.08	< 2	< 10	34	< 0.5	< 2	1.96	23	118	4.66	< 10	< 1	0.08	< 10
1096303	< 5	< 0.2	< 0.5	110	567	< 1	62	< 2	33	2.74	< 2	< 10	16	< 0.5	< 2	2.99	23	104	4.12	< 10	< 1	0.09	< 10
1096304	< 5	< 0.2	< 0.5	178	819	< 1	74	3	69	2.75	< 2	< 10	17	< 0.5	< 2	3.52	31	107	4.80	< 10	< 1	0.08	< 10
1096305	< 5	< 0.2	< 0.5	147	719	< 1	57	2	83	2.56	< 2	< 10	14	< 0.5	< 2	3.92	24	105	4.15	< 10	< 1	0.07	< 10
1096306	< 5	< 0.2	< 0.5	118	756	< 1	57	< 2	75	2.43	< 2	< 10	18	< 0.5	< 2	2.94	23	116	4.31	< 10	< 1	0.09	< 10
1096307	< 5	< 0.2	< 0.5	92	666	< 1	73	< 2	101	2.66	< 2	< 10	17	< 0.5	< 2	2.97	28	117	4.63	< 10	< 1	0.08	< 10
1096308	< 5	< 0.2	< 0.5	118	479	< 1	102	< 2	35	2.37	< 2	< 10	14	< 0.5	< 2	2.40	25	66	3.74	< 10	< 1	0.07	< 10
1096309	< 5	< 0.2	< 0.5	78	535	< 1	80	< 2	36	2.52	< 2	< 10	17	< 0.5	< 2	2.81	24	97	4.14	< 10	< 1	0.11	< 10
1096310	< 5	< 0.2	< 0.5	19	637	3	9	< 2	36	1.20	< 2	< 10	63	< 0.5	< 2	1.12	4	14	2.50	< 10	< 1	0.10	< 10
1096311	< 5	< 0.2	< 0.5	128	485	< 1	67	< 2	52	2.43	< 2	< 10	21	< 0.5	< 2	2.87	26	95	4.29	< 10	< 1	0.10	< 10



## Results

## Activation Laboratories Ltd.

## Report: A21-00094

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096312	< 5	< 0.2	< 0.5	83	727	< 1	71	< 2	59	2.86	< 2	< 10	22	< 0.5	< 2	2.93	24	119	4.82	< 10	< 1	0.10	< 10
1096313	< 5	< 0.2	< 0.5	103	716	< 1	77	3	105	2.73	< 2	< 10	24	< 0.5	< 2	3.31	27	171	5.10	< 10	< 1	0.08	23
1096314	< 5	< 0.2	< 0.5	39	576	< 1	58	< 2	38	2.25	< 2	< 10	24	< 0.5	< 2	4.18	17	197	3.55	10	< 1	0.07	34
1096315	< 5	< 0.2	< 0.5	23	542	< 1	58	< 2	33	2.32	< 2	< 10	23	< 0.5	< 2	5.38	14	164	3.29	10	< 1	0.06	26
1096316	< 5	< 0.2	< 0.5	93	550	< 1	59	< 2	32	2.15	< 2	< 10	16	< 0.5	< 2	3.01	15	153	3.58	< 10	< 1	0.04	20
1096317	< 5	< 0.2	< 0.5	59	527	< 1	56	2	57	2.48	< 2	< 10	19	< 0.5	< 2	3.34	15	139	3.54	10	< 1	0.06	79
1096318	< 5	< 0.2	< 0.5	37	528	< 1	55	< 2	36	2.26	< 2	< 10	25	< 0.5	< 2	4.00	15	183	3.13	< 10	< 1	0.06	31
1096319	< 5	< 0.2	< 0.5	52	694	< 1	74	< 2	43	2.60	< 2	< 10	30	< 0.5	< 2	3.61	22	171	4.36	< 10	< 1	0.10	21
1096320	528	0.9	0.7	121	708	6	12	95	154	1.31	43	10	93	< 0.5	< 2	1.09	6	25	2.89	< 10	< 1	0.13	< 10
1096321	6	< 0.2	< 0.5	41	696	< 1	62	< 2	43	2.24	< 2	< 10	39	< 0.5	< 2	2.84	19	161	3.81	< 10	< 1	0.17	15
1096322	< 5	< 0.2	< 0.5	46	661	< 1	51	< 2	40	2.13	< 2	< 10	52	< 0.5	< 2	3.76	15	172	3.14	< 10	< 1	0.20	34
1096323	11	< 0.2	< 0.5	51	603	< 1	79	< 2	55	1.89	< 2	< 10	136	< 0.5	< 2	3.32	18	194	3.04	< 10	< 1	0.37	29
1096324	5	< 0.2	< 0.5	95	571	1	51	5	110	1.70	< 2	< 10	106	< 0.5	< 2	1.66	15	136	2.48	< 10	< 1	0.21	27
1096325	5	< 0.2	< 0.5	93	572	2	53	4	114	1.69	< 2	< 10	106	< 0.5	< 2	1.68	15	138	2.48	< 10	< 1	0.21	27
1096326	< 5	< 0.2	< 0.5	55	772	< 1	44	3	51	1.95	< 2	< 10	151	< 0.5	< 2	2.16	14	105	2.77	< 10	< 1	0.29	35
1096327	< 5	< 0.2	< 0.5	78	668	< 1	49	3	45	2.06	< 2	< 10	312	< 0.5	< 2	1.57	15	104	2.56	< 10	< 1	0.58	31
1096328	< 5	< 0.2	< 0.5	54	505	< 1	48	2	46	2.36	< 2	< 10	393	< 0.5	< 2	0.98	15	107	2.90	< 10	< 1	0.94	28
1096329	< 5	< 0.2	< 0.5	28	825	< 1	40	3	54	2.24	4	< 10	181	< 0.5	< 2	1.30	13	86	3.42	< 10	< 1	0.30	23
1096330	< 5	< 0.2	< 0.5	19	631	3	4	< 2	35	1.19	3	< 10	62	< 0.5	< 2	1.11	4	14	2.47	< 10	< 1	0.10	< 10
1096331	< 5	< 0.2	< 0.5	38	739	< 1	40	2	51	2.00	< 2	< 10	59	< 0.5	< 2	2.02	14	78	3.59	< 10	< 1	0.15	19
1096332	< 5	< 0.2	< 0.5	51	636	3	20	6	39	1.77	< 2	11	70	< 0.5	< 2	1.33	12	45	3.40	< 10	< 1	0.17	11
1096333	6	< 0.2	< 0.5	52	914	1	54	5	85	2.54	< 2	< 10	132	< 0.5	< 2	1.52	16	128	3.95	10	< 1	0.43	23

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096261	1.18	0.320	0.061	0.39	2	18	12	0.20	<20	<1	<2	<10	171	<10	17	5	
1096262	1.13	0.298	0.025	<0.01	2	17	14	0.30	<20	6	<2	<10	172	<10	13	4	
1096263	1.17	0.309	0.054	0.04	3	19	10	0.20	<20	<1	<2	<10	192	<10	15	4	
1096264	1.41	0.329	0.051	0.04	6	22	17	0.23	<20	<1	<2	<10	260	<10	16	6	
1096265	0.77	0.257	0.097	0.08	4	21	15	0.21	<20	<1	<2	<10	57	<10	32	10	
1096266	0.57	0.182	0.134	0.11	4	14	31	0.13	<20	5	<2	<10	4	<10	37	8	
1096267	0.37	0.161	0.147	0.43	3	10	13	0.13	<20	4	<2	<10	9	<10	36	9	
1096268	0.43	0.199	0.118	0.48	4	15	13	0.15	<20	2	<2	<10	6	<10	36	11	
1096269	0.38	0.169	0.143	0.12	3	12	10	0.14	<20	4	<2	<10	3	<10	41	10	
1096270	0.47	0.082	0.040	0.04	<2	4	48	0.11	<20	4	<2	<10	26	<10	10	6	
1096271	0.43	0.206	0.126	0.30	4	15	10	0.14	<20	<1	<2	<10	4	<10	37	10	
1096272	0.52	0.258	0.114	0.47	4	18	13	0.15	<20	3	<2	<10	14	<10	34	13	
1096273	0.72	0.177	0.100	1.95	4	18	19	0.18	<20	5	<2	<10	35	20	29	17	4.30
1096274	1.18	0.150	0.042	1.66	3	20	17	0.31	<20	8	<2	<10	81	44	15	7	3.08
1096275	1.13	0.272	0.050	0.91	4	23	15	0.24	<20	5	<2	<10	133	15	15	5	
1096276	1.53	0.322	0.036	0.33	4	26	12	0.29	<20	<1	<2	<10	241	<10	14	4	
1096277	1.47	0.265	0.034	0.22	<2	21	9	0.33	<20	1	<2	<10	211	<10	11	4	
1096278	1.39	0.328	0.033	0.23	<2	24	10	0.30	<20	<1	<2	<10	321	<10	11	4	
1096279	1.36	0.289	0.028	0.31	<2	20	10	0.27	<20	1	<2	<10	295	<10	8	3	
1096280	0.82	0.029	0.053	1.08	8	2	143	0.02	<20	<1	<2	<10	22	19	4	18	2.95
1096281	1.79	0.324	0.033	1.07	3	29	14	0.25	<20	<1	<2	<10	445	<10	12	4	
1096282	1.40	0.347	0.026	0.27	2	22	10	0.28	<20	<1	<2	<10	409	<10	8	3	
1096283	1.49	0.199	0.021	0.04	<2	13	48	0.21	<20	<1	<2	<10	115	<10	6	2	
1096284	1.24	0.223	0.019	0.02	2	12	57	0.19	<20	<1	<2	<10	92	<10	7	2	
1096285	1.28	0.233	0.019	0.02	<2	13	57	0.19	<20	<1	<2	<10	95	<10	7	2	
1096286	1.71	0.153	0.020	0.10	<2	11	39	0.17	<20	<1	<2	<10	88	<10	7	2	
1096287	1.54	0.246	0.027	0.09	<2	14	10	0.16	<20	4	<2	<10	95	<10	6	3	
1096288	1.40	0.293	0.027	0.08	<2	13	23	0.16	<20	<1	<2	<10	93	<10	7	3	
1096289	1.49	0.454	0.029	0.09	<2	16	38	0.18	<20	<1	<2	<10	105	<10	8	3	
1096290	0.46	0.080	0.038	0.04	<2	4	47	0.11	<20	2	<2	<10	25	<10	10	5	
1096291	1.15	0.327	0.024	0.10	<2	12	29	0.17	<20	2	<2	<10	76	<10	6	2	
1096292	1.17	0.264	0.025	0.07	<2	11	18	0.16	<20	<1	<2	<10	75	<10	6	2	
1096293	1.49	0.236	0.022	0.05	<2	13	14	0.15	<20	2	<2	<10	83	<10	6	2	
1096294	1.73	0.189	0.021	0.06	<2	13	15	0.16	<20	<1	<2	<10	91	<10	6	2	
1096295	1.92	0.228	0.019	0.07	3	15	14	0.14	<20	2	<2	<10	101	<10	6	2	
1096296	1.52	0.202	0.019	0.07	<2	13	17	0.14	<20	<1	<2	<10	82	<10	5	2	
1096297	1.24	0.182	0.017	0.07	<2	10	19	0.14	<20	<1	<2	<10	67	<10	6	2	
1096298	1.69	0.286	0.028	0.01	2	15	7	0.17	<20	<1	<2	<10	114	<10	8	2	
1096299	1.02	0.235	0.065	0.62	4	9	20	0.10	<20	<1	<2	<10	98	<10	7	4	
1096300	0.94	0.025	0.053	3.17	8	2	131	0.02	<20	2	<2	<10	20	25	3	24	5.05
1096301	1.61	0.187	0.058	0.22	4	9	31	0.12	<20	<1	<2	<10	92	<10	8	3	
1096302	2.35	0.181	0.028	0.05	4	13	30	0.18	<20	<1	<2	<10	117	<10	8	2	
1096303	1.70	0.272	0.028	0.06	<2	14	45	0.23	<20	2	<2	<10	115	<10	9	2	
1096304	1.67	0.289	0.027	0.39	<2	14	38	0.18	<20	2	<2	<10	116	<10	9	2	
1096305	1.48	0.265	0.028	0.15	4	12	40	0.18	<20	1	<2	<10	106	<10	8	2	
1096306	1.65	0.186	0.026	0.14	3	12	30	0.20	<20	1	<2	<10	110	<10	8	2	
1096307	1.84	0.241	0.028	0.21	3	14	33	0.19	<20	2	<2	<10	117	<10	9	2	
1096308	1.96	0.243	0.029	0.08	2	10	24	0.17	<20	2	<2	<10	91	<10	7	2	
1096309	2.04	0.207	0.025	0.04	<2	12	27	0.19	<20	<1	<2	<10	103	<10	8	2	
1096310	0.47	0.080	0.039	0.04	<2	4	47	0.11	<20	4	<2	<10	26	<10	10	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096311	1.58	0.235	0.042	0.22	2	13	32	0.16	< 20	2	< 2	< 10	109	< 10	8	2	
1096312	2.30	0.170	0.029	0.03	< 2	14	21	0.19	< 20	3	< 2	< 10	133	< 10	9	2	
1096313	2.33	0.075	0.068	0.46	2	15	27	0.24	< 20	< 1	< 2	< 10	125	< 10	8	13	
1096314	2.12	0.069	0.127	0.02	2	12	62	0.26	< 20	4	< 2	< 10	101	< 10	8	5	
1096315	2.04	0.069	0.106	< 0.01	< 2	10	55	0.25	< 20	2	< 2	< 10	87	< 10	7	6	
1096316	1.92	0.069	0.075	0.04	< 2	9	67	0.24	< 20	2	< 2	< 10	79	< 10	6	12	
1096317	1.87	0.056	0.065	0.06	2	9	31	0.22	< 20	< 1	< 2	< 10	90	< 10	10	15	
1096318	1.83	0.054	0.106	0.01	3	9	45	0.25	< 20	< 1	< 2	< 10	92	< 10	8	7	
1096319	2.25	0.061	0.071	0.01	3	12	50	0.26	< 20	2	< 2	< 10	116	< 10	7	15	
1096320	0.55	0.117	0.038	0.10	4	4	52	0.12	< 20	< 1	< 2	< 10	35	< 10	10	6	
1096321	1.93	0.054	0.067	< 0.01	2	11	32	0.23	< 20	5	< 2	< 10	98	< 10	7	14	
1096322	1.90	0.059	0.107	0.01	< 2	9	44	0.22	< 20	7	< 2	< 10	86	< 10	9	5	
1096323	1.87	0.076	0.098	0.05	< 2	8	42	0.28	< 20	< 1	< 2	< 10	86	< 10	8	8	
1096324	1.71	0.075	0.073	0.09	< 2	7	32	0.23	< 20	1	< 2	< 10	76	< 10	7	14	
1096325	1.70	0.076	0.072	0.10	2	7	33	0.23	< 20	< 1	< 2	< 10	75	< 10	7	15	
1096326	1.90	0.089	0.089	0.09	< 2	7	41	0.23	< 20	3	< 2	< 10	78	< 10	8	8	
1096327	2.00	0.105	0.072	0.12	< 2	7	38	0.22	< 20	3	< 2	< 10	75	< 10	7	15	
1096328	2.29	0.153	0.065	0.10	2	7	36	0.18	< 20	2	< 2	< 10	72	< 10	6	21	
1096329	1.96	0.097	0.056	0.10	< 2	6	24	0.18	< 20	3	< 2	< 10	61	< 10	5	18	
1096330	0.46	0.079	0.038	0.04	2	4	48	0.11	< 20	< 1	< 2	< 10	26	< 10	10	5	
1096331	1.75	0.069	0.055	0.19	2	6	19	0.15	< 20	< 1	< 2	< 10	57	< 10	5	17	
1096332	1.52	0.061	0.044	0.23	< 2	4	16	0.09	< 20	6	< 2	< 10	39	< 10	5	15	
1096333	2.21	0.133	0.057	0.22	3	7	23	0.18	< 20	< 1	< 2	< 10	71	< 10	6	22	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2210	769	< 1	34	60	264	2.80	8		83	0.7	5	0.41	19	46	5.11	< 10		0.48	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4340	881	< 1	31	85	328	2.80	8		70	0.7	20	0.42	22	42	5.87	< 10		0.42	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 621 (Aqua Regia) Meas		66.0	290	3530	521	11	24	> 5000	> 10000	1.67	72			0.5	6	1.63	28	30	3.36	< 10	3	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				339	169	< 1	228	9	27	6.99			146	1.0	< 2	0.07	41	351	13.4	20	2	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	512																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	493																						
Oreas E1336 (Fire Assay) Cert	510																						
1096269 Orig	212																						
1096269 Dup	231																						
1096273 Orig																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096273 Dup																							
1096274 Orig		0.6	< 0.5	26	621	1	2	3	52	1.87	< 2	< 10	32	< 0.5	< 2	3.62	35	11	7.66	10	< 1	0.16	< 10
1096274 Dup		0.6	< 0.5	27	628	1	2	3	53	1.91	3	< 10	32	< 0.5	< 2	3.65	35	12	7.78	10	< 1	0.17	< 10
1096279 Orig	7																						
1096279 Dup	5																						
1096291 Orig	< 5																						
1096291 Dup	< 5																						
1096297 Orig		< 0.2	< 0.5	172	517	< 1	41	< 2	15	1.76	< 2	< 10	21	< 0.5	< 2	6.19	15	76	2.36	< 10	< 1	0.07	< 10
1096297 Dup		< 0.2	< 0.5	172	508	< 1	41	< 2	16	1.74	< 2	< 10	20	< 0.5	< 2	6.06	15	76	2.33	< 10	< 1	0.07	< 10
1096305 Orig	< 5																						
1096305 Dup	< 5																						
1096311 Orig	< 5	< 0.2	< 0.5	128	485	< 1	67	< 2	52	2.43	< 2	< 10	21	< 0.5	< 2	2.87	26	95	4.29	< 10	< 1	0.10	< 10
1096311 Split PREP DUP	< 5	< 0.2	< 0.5	118	509	< 1	68	< 2	54	2.52	< 2	< 10	21	< 0.5	< 2	2.94	26	99	4.42	< 10	< 1	0.11	< 10
1096311 Orig		< 0.2	< 0.5	128	482	< 1	67	< 2	51	2.41	2	< 10	21	< 0.5	< 2	2.85	26	95	4.25	< 10	< 1	0.10	< 10
1096311 Dup		< 0.2	< 0.5	129	489	< 1	68	< 2	52	2.45	< 2	< 10	21	< 0.5	< 2	2.89	26	96	4.32	< 10	< 1	0.10	< 10
1096314 Orig	< 5																						
1096314 Dup	< 5																						
1096323 Orig		< 0.2	< 0.5	52	608	< 1	79	< 2	54	1.91	< 2	< 10	137	< 0.5	< 2	3.34	18	196	3.06	< 10	< 1	0.37	29
1096323 Dup		< 0.2	< 0.5	51	597	< 1	79	< 2	55	1.87	< 2	< 10	135	< 0.5	< 2	3.30	17	192	3.02	< 10	< 1	0.37	29
1096324 Orig	5																						
1096324 Dup	5																						
1096332 Orig	5																						
1096332 Dup	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
OREAS 922 (AQUA REGIA) Meas	1.32	0.027	0.062	0.37	3	4	16		< 20		< 2	< 10	34	< 10	19	21	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.42		0.060	0.68	3	4	15		< 20		< 2	< 10	34	< 10	18	34	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 621 (Aqua Regia) Meas	0.43	0.185	0.033	4.37	118	2	19		< 20		< 2	< 10	12	< 10	7	68	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																	12.3
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.17	0.042	0.021	0.02		31	16	0.11	< 20		< 2	< 10	195		6	13	
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 257b (Fire Assay) Meas																	14.5
OREAS 257b (Fire Assay) Cert																	14.2
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
1096269 Orig																	
1096269 Dup																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096273 Orig																	4.38
1096273 Dup																	4.23
1096274 Orig	1.17	0.149	0.041	1.64	3	20	17	0.31	< 20	8	< 2	< 10	80	43	15	7	
1096274 Dup	1.19	0.151	0.042	1.67	3	21	17	0.32	< 20	8	< 2	< 10	82	45	15	7	
1096279 Orig																	
1096279 Dup																	
1096291 Orig																	
1096291 Dup																	
1096297 Orig	1.24	0.183	0.017	0.07	< 2	10	19	0.15	< 20	< 1	< 2	< 10	67	< 10	6	2	
1096297 Dup	1.24	0.181	0.016	0.07	2	10	18	0.14	< 20	< 1	< 2	< 10	67	< 10	6	2	
1096305 Orig																	
1096305 Dup																	
1096311 Orig	1.58	0.235	0.042	0.22	2	13	32	0.16	< 20	2	< 2	< 10	109	< 10	8	2	
1096311 Split PREP DUP	1.63	0.243	0.040	0.19	2	14	34	0.17	< 20	< 1	< 2	< 10	114	< 10	9	3	
1096311 Orig	1.57	0.233	0.042	0.22	2	13	31	0.16	< 20	3	< 2	< 10	107	< 10	8	2	
1096311 Dup	1.59	0.237	0.042	0.21	2	14	33	0.16	< 20	2	< 2	< 10	111	< 10	9	2	
1096314 Orig																	
1096314 Dup																	
1096323 Orig	1.88	0.077	0.098	0.05	< 2	8	43	0.28	< 20	2	< 2	< 10	87	< 10	8	8	
1096323 Dup	1.85	0.075	0.098	0.05	< 2	8	41	0.28	< 20	< 1	< 2	< 10	84	< 10	8	9	
1096324 Orig																	
1096324 Dup																	
1096332 Orig																	
1096332 Dup																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.006	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	
Method Blank																	< 0.03



Report No.: A21-02874
Report Date: 26-Apr-21
Date Submitted: 22-Feb-21
Your Reference:

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

164 Core samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A21-02874

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



## Results

## Activation Laboratories Ltd.

## Report: A21-02874

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096334	< 5	< 0.2	< 0.5	98	784	< 1	81	2	86	3.31	< 2	< 10	107	< 0.5	< 2	2.04	29	114	7.46	< 10	1	0.86	< 10
1096335	< 5	< 0.2	< 0.5	126	825	< 1	78	< 2	62	2.75	< 2	< 10	52	< 0.5	< 2	2.57	27	96	6.91	< 10	2	0.33	< 10
1096336	< 5	< 0.2	< 0.5	119	774	< 1	75	< 2	69	3.13	< 2	< 10	68	< 0.5	< 2	2.20	27	102	7.57	< 10	2	0.49	< 10
1096337	< 5	< 0.2	< 0.5	95	848	< 1	69	< 2	85	3.29	< 2	< 10	105	< 0.5	< 2	2.56	25	98	8.27	< 10	2	0.59	< 10
1096338	< 5	< 0.2	< 0.5	31	1110	< 1	67	< 2	100	3.74	< 2	< 10	271	< 0.5	< 2	2.70	33	121	6.51	< 10	< 1	0.82	< 10
1096339	< 5	0.2	< 0.5	63	761	< 1	46	4	60	2.08	2	< 10	83	< 0.5	< 2	2.37	18	54	9.55	< 10	1	0.55	< 10
1096340	3030	10.9	5.2	75	442	5	29	385	765	1.33	4030	< 10	37	< 0.5	< 2	2.52	13	26	8.25	< 10	< 1	0.21	12
1096341	< 5	< 0.2	< 0.5	62	768	< 1	54	< 2	54	2.50	< 2	< 10	93	< 0.5	< 2	2.55	21	90	7.50	< 10	1	0.49	< 10
1096342	< 5	0.3	< 0.5	90	784	< 1	67	< 2	52	2.61	< 2	< 10	21	< 0.5	< 2	2.32	25	75	12.0	< 10	< 1	0.14	< 10
1096343	< 5	0.2	< 0.5	96	621	1	79	< 2	59	3.26	< 2	< 10	33	< 0.5	< 2	2.16	27	89	10.0	< 10	1	0.24	< 10
1096344	< 5	< 0.2	< 0.5	59	704	< 1	53	< 2	125	2.32	< 2	< 10	60	< 0.5	< 2	2.04	21	63	10.3	< 10	2	0.37	< 10
1096345	< 5	0.3	< 0.5	148	630	< 1	55	< 2	67	2.54	< 2	< 10	38	< 0.5	< 2	2.19	21	65	11.2	< 10	< 1	0.18	< 10
1096346	< 5	0.3	< 0.5	89	686	< 1	55	< 2	73	2.01	3	< 10	47	< 0.5	< 2	2.42	22	65	14.4	< 10	< 1	0.32	< 10
1096347	< 5	< 0.2	< 0.5	20	396	< 1	19	5	63	1.47	< 2	< 10	204	< 0.5	< 2	0.69	10	32	4.67	< 10	2	0.59	12
1096348	8	0.3	< 0.5	79	647	< 1	44	< 2	72	1.74	5	< 10	14	< 0.5	< 2	2.09	17	65	17.0	< 10	< 1	0.08	< 10
1096349	< 5	0.2	< 0.5	72	578	< 1	48	< 2	57	2.02	4	< 10	< 10	< 0.5	< 2	1.71	21	71	16.0	< 10	< 1	0.04	< 10
1096350	< 5	< 0.2	< 0.5	19	637	3	6	2	35	1.14	< 2	< 10	56	< 0.5	< 2	1.08	6	15	2.33	< 10	< 1	0.09	< 10
1096351	< 5	0.2	< 0.5	50	662	< 1	25	< 2	77	1.72	< 2	< 10	35	< 0.5	< 2	1.72	18	43	10.7	< 10	1	0.50	11
1096352	< 5	< 0.2	< 0.5	33	724	< 1	9	< 2	114	2.73	< 2	< 10	55	< 0.5	< 2	1.24	24	14	4.44	< 10	2	1.66	15
1096353	< 5	< 0.2	< 0.5	27	737	< 1	5	< 2	102	1.89	< 2	< 10	103	< 0.5	< 2	1.31	19	9	4.21	< 10	< 1	1.15	22
1096354	< 5	< 0.2	< 0.5	73	656	< 1	51	< 2	86	2.65	< 2	< 10	66	< 0.5	< 2	1.20	29	73	7.65	< 10	2	1.07	10
1096355	< 5	< 0.2	< 0.5	58	576	< 1	48	< 2	74	2.26	< 2	< 10	198	< 0.5	< 2	1.27	25	71	6.68	< 10	2	0.99	13
1096356	< 5	< 0.2	< 0.5	42	454	< 1	18	< 2	44	1.25	< 2	< 10	143	< 0.5	< 2	1.77	17	57	2.76	< 10	< 1	0.27	17
1096357	< 5	< 0.2	< 0.5	26	470	< 1	32	< 2	34	1.39	< 2	< 10	135	< 0.5	< 2	1.91	16	113	2.70	< 10	< 1	0.29	11
1096358	< 5	0.2	< 0.5	74	642	< 1	8	< 2	74	1.45	6	< 10	44	< 0.5	< 2	2.39	16	8	16.2	< 10	< 1	0.76	< 10
1096359	< 5	< 0.2	< 0.5	52	717	< 1	31	< 2	85	1.92	3	< 10	59	< 0.5	< 2	2.03	21	39	15.5	< 10	< 1	0.77	< 10
1096360	4940	2.2	3.3	351	364	9	24	124	623	1.49	6680	< 10	16	< 0.5	< 2	1.57	17	29	12.0	< 10	< 1	0.22	< 10
1096361	< 5	0.2	< 0.5	54	733	< 1	43	< 2	72	1.44	6	< 10	15	< 0.5	2	2.66	14	56	19.8	< 10	< 1	0.07	< 10
1096362	< 5	0.3	< 0.5	41	665	< 1	45	< 2	71	1.55	4	< 10	45	< 0.5	3	2.02	16	62	21.7	< 10	< 1	0.15	< 10
1096363	< 5	0.2	< 0.5	32	862	< 1	34	< 2	47	1.12	5	< 10	17	< 0.5	< 2	3.59	11	47	15.6	< 10	< 1	0.06	< 10
1096364	< 5	0.2	< 0.5	65	824	< 1	56	< 2	75	1.80	6	< 10	27	< 0.5	< 2	2.74	21	73	18.6	< 10	< 1	0.10	< 10
1096365	< 5	0.2	< 0.5	62	820	< 1	54	< 2	74	1.81	< 2	< 10	27	< 0.5	< 2	2.71	21	72	17.8	< 10	< 1	0.10	< 10
1096366	< 5	0.3	< 0.5	69	739	< 1	43	< 2	218	1.39	6	< 10	20	< 0.5	3	1.86	18	56	21.9	< 10	< 1	0.06	< 10
1096367	< 5	0.2	< 0.5	42	861	< 1	23	< 2	187	0.99	5	< 10	< 10	< 0.5	< 2	3.61	14	35	20.6	< 10	< 1	0.01	< 10
1096368	< 5	0.2	0.6	6	622	< 1	4	< 2	134	0.06	3	< 10	< 10	< 0.5	< 2	3.47	11	4	24.9	< 10	< 1	< 0.01	< 10
1096369	< 5	0.2	< 0.5	88	907	< 1	74	< 2	124	2.99	3	< 10	15	< 0.5	3	2.26	24	98	18.5	< 10	< 1	0.06	< 10
1096370	< 5	< 0.2	< 0.5	20	653	3	7	< 2	35	1.23	3	< 10	59	< 0.5	< 2	1.13	5	15	2.47	< 10	< 1	0.10	< 10
1096371	< 5	0.2	< 0.5	88	812	< 1	70	< 2	95	2.53	5	< 10	35	< 0.5	< 2	2.09	26	91	16.4	< 10	< 1	0.13	< 10
1096372	< 5	< 0.2	< 0.5	109	845	< 1	76	< 2	105	2.77	4	< 10	66	< 0.5	< 2	2.68	26	100	14.3	< 10	< 1	0.38	< 10
1096373	< 5	0.3	< 0.5	63	697	< 1	12	< 2	176	0.14	5	< 10	< 10	< 0.5	< 2	3.56	10	6	22.0	< 10	< 1	0.02	< 10
1096374	< 5	0.4	< 0.5	94	886	< 1	43	< 2	70	1.25	4	< 10	11	< 0.5	< 2	3.97	14	49	16.1	< 10	< 1	0.05	< 10
1096375	< 5	0.2	< 0.5	61	809	< 1	39	< 2	84	1.21	3	< 10	15	< 0.5	2	3.86	15	51	17.4	< 10	< 1	0.07	< 10
1096376	< 5	0.4	1.3	123	750	< 1	43	< 2	359	1.36	5	< 10	41	< 0.5	3	3.15	19	49	19.4	< 10	< 1	0.17	< 10
1096377	< 5	< 0.2	< 0.5	22	256	< 1	9	< 2	47	1.15	< 2	< 10	152	< 0.5	< 2	0.38	8	18	1.93	< 10	< 1	0.62	15
1096378	< 5	< 0.2	< 0.5	10	206	< 1	6	4	48	0.99	< 2	< 10	105	< 0.5	< 2	0.36	5	12	1.30	< 10	< 1	0.57	15
1096379	< 5	< 0.2	< 0.5	16	215	< 1	7	7	50	1.03	< 2	< 10	138	< 0.5	< 2	0.55	5	14	1.38	< 10	< 1	0.56	15
1096380	639	1.0	0.6	122	725	6	13	95	153	1.28	42	< 10	85	< 0.5	< 2	1.09	7	27	2.71	< 10	< 1	0.13	< 10
1096381	< 5	< 0.2	< 0.5	48	475	< 1	132	10	51	2.20	< 2	< 10	105	< 0.5	< 2	1.46	25	378	4.89	< 10	< 1	0.54	< 10
1096382	< 5	< 0.2	< 0.5	10	346	< 1	206	< 2	33	2.21	< 2	< 10	79	< 0.5	< 2	1.00	26	653	2.65	< 10	< 1	0.32	< 10
1096383	< 5	< 0.2	< 0.5	47	764	< 1	97	< 2	64	2.27	< 2	< 10	133	< 0.5	< 2	2.30	22	240	8.76	< 10	1	0.55	< 10
1096384	6	0.4	< 0.5	108	1100	< 1	81	< 2	100	3.38	7	< 10	25	< 0.5	2	2.13	26	109	13.4	< 10	< 1	0.84	< 10

## Results

## Activation Laboratories Ltd.

## Report: A21-02874

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096385	< 5	< 0.2	< 0.5	13	610	< 1	14	4	94	3.07	< 2	< 10	545	< 0.5	< 2	1.32	16	23	3.08	< 10	2	1.27	19
1096386	6	0.3	< 0.5	68	309	< 1	11	5	37	0.78	< 2	< 10	77	< 0.5	< 2	0.98	8	8	7.15	< 10	< 1	0.40	13
1096387	14	< 0.2	< 0.5	5	98	2	< 1	31	31	0.73	< 2	< 10	130	< 0.5	< 2	0.16	< 1	10	0.37	< 10	< 1	0.44	20
1096388	6	< 0.2	< 0.5	35	576	< 1	16	2	69	2.79	< 2	< 10	180	< 0.5	< 2	1.56	22	27	3.49	< 10	< 1	1.65	13
1096389	16	< 0.2	< 0.5	45	573	< 1	18	< 2	56	2.28	< 2	< 10	389	< 0.5	< 2	2.20	20	29	3.61	< 10	< 1	1.52	13
1096390	< 5																						
1096391	8	< 0.2	< 0.5	29	525	< 1	17	< 2	53	1.98	< 2	< 10	348	< 0.5	< 2	1.54	20	37	3.38	< 10	< 1	1.19	15
1096392	10	0.4	< 0.5	119	641	< 1	33	2	64	1.86	< 2	< 10	25	< 0.5	< 2	1.69	19	39	6.75	< 10	< 1	0.67	< 10
1096393	6	< 0.2	< 0.5	67	557	< 1	21	8	52	2.03	< 2	< 10	65	< 0.5	< 2	1.24	16	37	4.19	< 10	1	0.58	11
1096394	< 5	< 0.2	< 0.5	6	551	2	14	7	60	2.19	< 2	< 10	391	< 0.5	< 2	1.09	18	24	2.83	< 10	< 1	1.03	14
1096395	< 5	< 0.2	< 0.5	64	421	< 1	15	6	33	1.44	< 2	< 10	73	< 0.5	< 2	1.57	8	35	4.34	< 10	1	0.22	15
1096396	< 5	< 0.2	< 0.5	44	363	< 1	44	< 2	40	1.55	< 2	< 10	150	< 0.5	< 2	1.46	17	167	2.31	< 10	< 1	0.58	13
1096397	10	< 0.2	< 0.5	66	358	< 1	47	< 2	32	1.36	< 2	< 10	116	< 0.5	< 2	1.34	17	159	2.74	< 10	< 1	0.47	14
1096398	< 5	< 0.2	< 0.5	29	277	< 1	34	2	28	1.25	< 2	< 10	143	< 0.5	< 2	1.30	12	128	1.81	< 10	< 1	0.40	17
1096399	< 5	< 0.2	< 0.5	48	365	< 1	47	2	35	1.39	< 2	< 10	87	< 0.5	< 2	1.44	18	169	2.38	< 10	< 1	0.27	14
1096400	3050																						
1096401	5	< 0.2	< 0.5	26	314	< 1	46	< 2	30	1.38	< 2	< 10	35	< 0.5	< 2	1.37	15	184	2.10	< 10	< 1	0.12	14
1096402	< 5	< 0.2	< 0.5	33	212	< 1	31	2	22	1.11	< 2	< 10	33	< 0.5	< 2	1.09	10	125	1.51	< 10	< 1	0.10	14
1096403	< 5	< 0.2	< 0.5	23	327	< 1	78	< 2	39	1.30	< 2	< 10	36	< 0.5	< 2	1.11	16	266	1.95	< 10	< 1	0.15	11
1096404	< 5	< 0.2	< 0.5	34	313	< 1	59	< 2	33	1.46	< 2	< 10	43	< 0.5	< 2	1.58	15	216	2.05	< 10	< 1	0.13	13
1096405	< 5	< 0.2	< 0.5	29	317	< 1	61	< 2	34	1.47	< 2	< 10	43	< 0.5	< 2	1.55	15	221	2.08	< 10	< 1	0.13	13
1096406	< 5	< 0.2	< 0.5	26	416	< 1	43	< 2	51	1.79	< 2	< 10	79	< 0.5	< 2	1.34	21	145	2.86	< 10	< 1	0.40	13
1096407	< 5	< 0.2	< 0.5	42	442	< 1	29	< 2	43	1.75	< 2	< 10	79	< 0.5	< 2	1.66	19	78	3.04	< 10	< 1	0.30	12
1096408	< 5	0.3	< 0.5	107	702	< 1	47	< 2	72	2.15	< 2	< 10	55	< 0.5	< 2	1.70	22	75	11.5	< 10	2	0.19	< 10
1096409	< 5	< 0.2	< 0.5	48	346	< 1	36	2	30	1.26	< 2	< 10	69	< 0.5	< 2	1.74	15	131	2.29	< 10	< 1	0.17	16
1096410	< 5	< 0.2	< 0.5	19	652	3	7	2	35	1.19	2	< 10	62	< 0.5	< 2	1.05	6	14	2.34	< 10	< 1	0.10	< 10
1096411	< 5	< 0.2	< 0.5	20	316	< 1	41	< 2	30	1.20	< 2	< 10	63	< 0.5	< 2	1.44	16	164	1.97	< 10	< 1	0.17	16
1096412	< 5	0.3	< 0.5	159	453	< 1	41	3	56	1.20	< 2	< 10	56	< 0.5	< 2	2.88	16	76	9.39	< 10	2	0.14	< 10
1096413	< 5	0.3	< 0.5	127	676	< 1	78	3	90	2.62	< 2	< 10	< 10	< 0.5	2	1.93	26	86	11.3	< 10	1	0.07	< 10
1096414	< 5	< 0.2	< 0.5	80	544	< 1	49	< 2	40	1.93	< 2	< 10	50	< 0.5	2	2.49	18	110	3.76	< 10	< 1	0.14	12
1096415	< 5	0.3	< 0.5	109	700	< 1	66	< 2	69	2.27	< 2	< 10	20	< 0.5	2	2.27	24	86	11.6	< 10	< 1	0.11	< 10
1096416	< 5	0.2	< 0.5	132	747	< 1	78	5	71	2.66	< 2	< 10	15	< 0.5	< 2	2.66	28	101	6.45	< 10	1	0.09	< 10
1096417	< 5	< 0.2	< 0.5	108	710	< 1	73	3	49	2.32	< 2	< 10	33	< 0.5	< 2	2.67	25	96	7.97	< 10	< 1	0.15	< 10
1096418	< 5	< 0.2	< 0.5	108	780	< 1	72	< 2	59	2.76	< 2	< 10	65	< 0.5	2	2.40	26	93	6.53	< 10	2	0.31	< 10
1096419	< 5	< 0.2	< 0.5	16	292	< 1	17	< 2	32	1.08	< 2	< 10	128	< 0.5	< 2	0.79	10	29	2.12	< 10	< 1	0.20	11
1096420	> 5000																						
1096421	< 5	0.2	< 0.5	119	766	< 1	73	< 2	60	2.47	< 2	< 10	20	< 0.5	< 2	2.49	28	89	8.16	< 10	2	0.09	< 10
1096422	< 5	< 0.2	< 0.5	133	861	< 1	90	< 2	70	3.19	< 2	< 10	35	< 0.5	< 2	1.96	31	107	8.76	< 10	2	0.22	< 10
1096423	< 5	< 0.2	< 0.5	136	776	< 1	80	< 2	67	2.71	< 2	< 10	17	< 0.5	3	1.84	31	99	7.95	< 10	2	0.10	< 10
1096424	< 5	< 0.2	< 0.5	72	679	< 1	80	< 2	61	2.15	< 2	< 10	133	< 0.5	< 2	1.53	26	164	6.97	< 10	2	0.46	< 10
1096425	< 5	< 0.2	< 0.5	124	588	< 1	73	< 2	53	2.08	< 2	< 10	59	< 0.5	< 2	1.58	25	199	7.01	< 10	< 1	0.24	< 10
1096426	< 5	0.2	< 0.5	111	443	< 1	46	2	30	1.23	< 2	< 10	17	< 0.5	< 2	1.86	14	78	9.93	< 10	2	0.06	< 10
1096427	< 5	0.2	< 0.5	87	478	< 1	31	< 2	31	0.87	5	< 10	< 10	< 0.5	< 2	2.48	14	44	18.5	< 10	< 1	0.04	< 10
1096428	< 5	0.2	< 0.5	105	584	< 1	53	< 2	40	1.46	5	< 10	20	< 0.5	< 2	2.06	21	92	13.4	< 10	< 1	0.10	< 10
1096429	< 5	< 0.2	< 0.5	95	504	< 1	34	< 2	27	0.98	< 2	< 10	19	< 0.5	< 2	2.74	14	55	8.71	< 10	1	0.06	< 10
1096430	< 5	< 0.2	< 0.5	19	630	3	7	< 2	33	1.17	2	< 10	57	< 0.5	< 2	1.08	6	14	2.36	< 10	< 1	0.10	< 10
1096431	< 5	< 0.2	< 0.5	101	685	< 1	66	< 2	39	1.66	< 2	< 10	38	< 0.5	< 2	2.32	22	109	6.25	< 10	< 1	0.13	< 10
1096432	< 5	0.2	< 0.5	85	662	< 1	47	< 2	37	1.34	< 2	< 10	33	< 0.5	< 2	2.82	18	75	11.2	< 10	2	0.10	< 10
1096433	< 5	< 0.2	< 0.5	107	848	< 1	69	< 2	58	2.59	< 2	< 10	36	< 0.5	< 2	3.10	26	99	8.39	< 10	2	0.15	< 10
1096434	< 5	< 0.2	< 0.5	158	757	< 1	48	< 2	40	2.05	< 2	< 10	11	< 0.5	< 2	3.32	22	77	7.90	< 10	2	0.07	< 10
1096435	< 5	< 0.2	< 0.5	118	782	< 1	71	< 2	55	2.21	< 2	< 10	18	< 0.5	< 2	2.92	24	99	5.54	< 10	1	0.10	< 10

## Results

## Activation Laboratories Ltd.

## Report: A21-02874

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096436	< 5	< 0.2	< 0.5	162	637	< 1	48	< 2	50	1.93	< 2	< 10	< 10	< 0.5	< 2	2.91	22	76	3.32	< 10	1	0.07	< 10
1096437	< 5	< 0.2	< 0.5	120	755	< 1	66	< 2	62	2.73	< 2	< 10	< 10	< 0.5	< 2	2.98	24	98	5.57	< 10	< 1	0.08	< 10
1096438	< 5	< 0.2	< 0.5	82	714	< 1	63	< 2	51	2.70	< 2	< 10	< 10	< 0.5	< 2	2.77	24	100	6.06	< 10	2	0.08	< 10
1096439	< 5	< 0.2	< 0.5	135	715	< 1	74	< 2	70	3.30	< 2	< 10	< 10	< 0.5	< 2	2.62	28	105	7.60	< 10	2	0.07	< 10
1096440	559	0.6	0.8	119	704	6	13	93	147	1.25	40	12	84	< 0.5	< 2	1.06	7	25	2.73	< 10	< 1	0.13	< 10
1096441	< 5	< 0.2	< 0.5	83	568	< 1	71	< 2	64	2.47	< 2	< 10	< 10	< 0.5	< 2	2.36	24	113	5.14	< 10	1	0.07	< 10
1096442	5	< 0.2	< 0.5	93	551	< 1	78	< 2	44	2.22	< 2	< 10	15	< 0.5	< 2	2.24	27	100	4.46	< 10	< 1	0.09	< 10
1096443	< 5	< 0.2	< 0.5	32	457	< 1	70	< 2	41	1.80	< 2	< 10	63	< 0.5	< 2	1.67	21	121	3.50	< 10	< 1	0.31	< 10
1096444	< 5	< 0.2	< 0.5	86	375	< 1	64	< 2	32	1.23	< 2	< 10	66	< 0.5	< 2	1.51	19	118	2.53	< 10	1	0.20	12
1096445	< 5	< 0.2	< 0.5	89	375	< 1	66	< 2	33	1.23	< 2	< 10	67	< 0.5	< 2	1.49	19	118	2.54	< 10	< 1	0.21	12
1096446	< 5	0.2	< 0.5	94	390	< 1	50	6	36	0.93	< 2	< 10	111	< 0.5	< 2	2.18	13	92	4.20	< 10	1	0.16	12
1096447	< 5	< 0.2	< 0.5	21	358	< 1	60	< 2	30	0.98	< 2	< 10	78	< 0.5	< 2	1.42	14	132	2.07	< 10	< 1	0.18	11
1096448	16	0.4	< 0.5	82	1060	< 1	20	< 2	63	0.83	3	< 10	31	< 0.5	< 2	2.26	12	22	20.7	< 10	< 1	0.08	< 10
1096449	6	0.2	< 0.5	31	1730	1	38	< 2	71	2.36	< 2	< 10	51	< 0.5	< 2	1.59	16	85	14.6	< 10	< 1	0.19	< 10
1096450	7	< 0.2	< 0.5	20	648	3	6	< 2	35	1.19	< 2	< 10	58	< 0.5	< 2	1.13	6	15	2.38	< 10	< 1	0.09	< 10
1096451	< 5	< 0.2	< 0.5	29	765	< 1	80	< 2	50	2.36	< 2	< 10	74	< 0.5	< 2	2.70	23	102	9.11	< 10	1	0.36	< 10
1096452	8	< 0.2	< 0.5	57	553	< 1	60	6	49	1.95	< 2	< 10	68	< 0.5	< 2	2.19	17	96	6.08	< 10	2	0.36	< 10
1096453	7	< 0.2	< 0.5	111	535	< 1	77	< 2	45	2.70	< 2	< 10	39	< 0.5	< 2	2.25	27	110	5.14	< 10	1	0.23	< 10
1096454	10	< 0.2	< 0.5	83	535	< 1	75	< 2	47	2.53	< 2	< 10	109	< 0.5	< 2	2.36	25	113	4.47	< 10	1	0.61	< 10
1096455	7	< 0.2	< 0.5	87	475	< 1	63	< 2	41	2.14	3	< 10	22	< 0.5	< 2	1.98	22	93	4.18	< 10	2	0.11	< 10
1096456	< 5	< 0.2	< 0.5	59	670	< 1	70	< 2	54	2.92	< 2	< 10	< 10	< 0.5	< 2	2.67	27	108	6.15	< 10	1	0.08	< 10
1096457	< 5	< 0.2	< 0.5	100	961	< 1	82	< 2	93	3.28	7	< 10	50	< 0.5	< 2	2.16	29	120	11.7	< 10	< 1	0.27	< 10
1096458	< 5	< 0.2	< 0.5	86	914	< 1	71	< 2	80	2.79	< 2	< 10	27	< 0.5	< 2	2.54	25	109	9.66	< 10	1	0.19	< 10
1096459	5	0.2	< 0.5	75	533	< 1	6	< 2	31	0.21	6	< 10	< 10	< 0.5	< 2	4.12	9	10	20.6	< 10	< 1	< 0.01	< 10
1096460	3110	10.7	5.3	74	440	4	28	377	749	1.27	3970	< 10	36	< 0.5	< 2	2.51	14	27	7.76	< 10	< 1	0.21	12
1096461	7	0.3	< 0.5	116	504	< 1	24	< 2	50	0.77	6	< 10	10	< 0.5	< 2	2.34	15	31	20.1	< 10	< 1	0.02	< 10
1096462	< 5	< 0.2	< 0.5	81	834	< 1	77	< 2	79	3.44	4	< 10	< 10	< 0.5	< 2	1.41	26	114	13.8	< 10	< 1	0.04	< 10
1096463	< 5	< 0.2	< 0.5	112	730	< 1	75	< 2	68	2.74	< 2	< 10	< 10	< 0.5	< 2	2.01	25	99	10.3	< 10	< 1	0.05	< 10
1096464	< 5	< 0.2	< 0.5	126	594	< 1	61	< 2	41	2.38	< 2	< 10	< 10	< 0.5	< 2	2.59	23	100	4.70	< 10	1	0.07	< 10
1096465	< 5	< 0.2	< 0.5	125	623	< 1	64	< 2	39	2.26	< 2	< 10	< 10	< 0.5	< 2	2.56	23	95	4.34	< 10	2	0.09	< 10
1096466	5	0.2	< 0.5	162	723	< 1	32	4	19	0.97	< 2	< 10	13	< 0.5	< 2	3.42	15	32	9.69	< 10	< 1	0.04	< 10
1096467	< 5	< 0.2	< 0.5	163	595	< 1	50	4	55	1.88	< 2	< 10	13	< 0.5	< 2	2.55	21	82	4.00	< 10	< 1	0.09	< 10
1096468	< 5	< 0.2	< 0.5	8	200	< 1	10	< 2	21	0.78	< 2	< 10	36	< 0.5	< 2	0.76	5	24	1.37	< 10	< 1	0.11	< 10
1096469	5	< 0.2	< 0.5	67	570	< 1	57	< 2	43	2.32	< 2	< 10	< 10	< 0.5	< 2	2.79	20	97	4.26	< 10	2	0.09	< 10
1096470	< 5																						
1096471	5	< 0.2	< 0.5	85	560	< 1	55	< 2	47	2.28	< 2	< 10	< 10	< 0.5	< 2	2.54	20	84	4.92	< 10	1	0.07	< 10
1096472	< 5	< 0.2	< 0.5	34	325	< 1	12	4	37	1.08	< 2	< 10	114	< 0.5	< 2	1.72	10	19	3.29	< 10	< 1	0.28	26
1096473	< 5	< 0.2	< 0.5	46	351	< 1	20	3	52	1.38	< 2	< 10	112	< 0.5	< 2	0.91	12	33	2.64	< 10	< 1	0.30	25
1096474	< 5	< 0.2	< 0.5	81	705	< 1	76	< 2	60	3.15	< 2	< 10	< 10	< 0.5	< 2	2.39	27	112	6.46	< 10	2	0.06	< 10
1096475	7	< 0.2	< 0.5	97	740	< 1	70	< 2	65	3.02	< 2	< 10	< 10	< 0.5	< 2	2.35	26	98	7.89	< 10	2	0.05	< 10
1096476	< 5	< 0.2	< 0.5	132	602	< 1	64	< 2	46	2.36	< 2	< 10	< 10	< 0.5	< 2	2.07	24	100	5.16	< 10	< 1	0.05	< 10
1096477	< 5	< 0.2	< 0.5	88	537	< 1	58	< 2	44	2.10	< 2	< 10	< 10	< 0.5	< 2	1.90	23	86	7.17	< 10	2	0.04	< 10
1096478	< 5	< 0.2	< 0.5	113	566	< 1	62	< 2	44	2.53	< 2	< 10	< 10	< 0.5	< 2	2.54	22	93	5.04	< 10	2	0.06	< 10
1096479	6	< 0.2	< 0.5	93	528	< 1	62	< 2	37	1.99	< 2	< 10	< 10	< 0.5	< 2	2.35	22	94	3.61	< 10	3	0.06	< 10
1096480	> 5000	2.0	2.9	351	370	9	23	127	629	1.46	6810	< 10	16	< 0.5	< 2	1.54	17	28	11.6	< 10	< 1	0.20	< 10
1096481	< 5	< 0.2	< 0.5	39	423	< 1	85	3	59	2.31	< 2	< 10	347	< 0.5	< 2	1.47	21	97	3.21	< 10	< 1	0.91	18
1096482	< 5	< 0.2	< 0.5	30	487	< 1	80	4	63	2.27	< 2	< 10	254	< 0.5	< 2	1.79	19	94	3.25	< 10	< 1	0.73	17
1096483	6	0.3	< 0.5	145	641	6	70	< 2	59	2.13	< 2	< 10	47	< 0.5	< 2	2.80	22	85	8.94	< 10	1	0.22	< 10
1096484	13	< 0.2	< 0.5	58	403	1	36	< 2	46	1.43	< 2	< 10	68	< 0.5	< 2	1.46	15	47	2.61	< 10	< 1	0.22	< 10
1096485	5	< 0.2	< 0.5	59	408	2	37	< 2	46	1.45	< 2	< 10	65	< 0.5	< 2	1.48	15	48	2.70	< 10	< 1	0.22	< 10
1096486	8	< 0.2	< 0.5	125	567	< 1	72	< 2	47	2.08	< 2	< 10	33	< 0.5	< 2	2.26	24	92	4.02	< 10	< 1	0.16	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1096487	5	< 0.2	< 0.5	78	567	< 1	73	< 2	46	2.47	< 2	< 10	28	< 0.5	< 2	2.19	23	89	4.20	< 10	< 1	0.18	< 10
1096488	< 5	< 0.2	< 0.5	60	667	< 1	94	< 2	53	2.67	< 2	< 10	10	< 0.5	< 2	1.97	25	99	4.86	< 10	2	0.10	< 10
1096489	< 5	< 0.2	< 0.5	44	604	< 1	72	< 2	49	2.63	< 2	< 10	< 10	< 0.5	< 2	2.23	23	95	4.93	< 10	2	0.08	< 10
1096490	< 5	< 0.2	< 0.5	20	656	3	7	< 2	35	1.17	< 2	< 10	58	< 0.5	< 2	1.12	5	15	2.34	< 10	< 1	0.11	< 10
1096491	< 5	< 0.2	< 0.5	94	576	< 1	78	< 2	58	2.71	< 2	< 10	38	< 0.5	< 2	2.12	25	102	5.43	< 10	1	0.27	< 10
1096492	< 5	< 0.2	< 0.5	6	172	< 1	3	4	22	0.54	< 2	< 10	70	< 0.5	< 2	0.44	3	11	0.88	< 10	< 1	0.14	11
1096493	< 5	< 0.2	< 0.5	11	181	< 1	5	13	16	0.38	< 2	< 10	15	< 0.5	< 2	0.22	2	16	0.69	< 10	< 1	0.11	< 10
1096494	11	< 0.2	< 0.5	118	801	< 1	98	< 2	62	2.99	< 2	< 10	13	< 0.5	< 2	2.12	32	118	5.48	< 10	< 1	0.33	< 10
1096495	9	< 0.2	< 0.5	124	736	< 1	84	< 2	56	2.62	< 2	< 10	81	< 0.5	< 2	1.92	28	106	4.61	< 10	2	0.92	< 10
1096496	5	< 0.2	< 0.5	6	222	< 1	3	7	20	0.47	< 2	< 10	46	< 0.5	< 2	0.51	2	11	0.82	< 10	< 1	0.20	13
1096497	< 5	< 0.2	< 0.5	9	275	< 1	8	10	27	0.71	< 2	< 10	62	< 0.5	< 2	0.42	4	20	1.22	< 10	< 1	0.46	12

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096334	2.91	0.278	0.040	0.26	< 2	14	13	0.24	< 20	< 1	< 2	< 10	129	< 10	8	3	
1096335	2.30	0.373	0.039	0.48	< 2	14	11	0.15	< 20	< 1	< 2	< 10	113	< 10	8	3	
1096336	2.77	0.316	0.043	0.35	3	14	8	0.18	< 20	< 1	< 2	< 10	123	< 10	8	4	
1096337	2.61	0.328	0.044	0.29	2	13	13	0.19	< 20	< 1	< 2	< 10	121	< 10	8	3	
1096338	1.98	0.377	0.043	0.10	2	18	56	0.26	< 20	< 1	< 2	< 10	154	< 10	10	3	
1096339	1.38	0.209	0.038	0.72	3	7	18	0.14	< 20	< 1	< 2	< 10	73	< 10	5	10	
1096340	0.85	0.030	0.055	1.05	6	2	136	0.02	< 20	< 1	< 2	< 10	22	20	3	16	
1096341	1.83	0.271	0.051	0.55	< 2	10	30	0.15	< 20	< 1	< 2	< 10	95	< 10	6	6	
1096342	1.78	0.234	0.040	1.42	3	11	18	0.10	< 20	< 1	< 2	< 10	96	< 10	7	4	
1096343	2.29	0.249	0.037	1.01	4	12	15	0.12	< 20	< 1	< 2	< 10	111	< 10	7	4	
1096344	1.54	0.184	0.034	0.96	2	9	23	0.12	< 20	< 1	< 2	< 10	81	< 10	6	10	
1096345	1.55	0.235	0.038	1.67	3	9	37	0.10	< 20	1	< 2	< 10	84	17	7	8	
1096346	1.49	0.197	0.041	1.19	5	8	28	0.11	< 20	< 1	< 2	< 10	88	< 10	6	5	
1096347	0.94	0.173	0.036	0.23	< 2	4	24	0.15	< 20	2	< 2	< 10	47	< 10	3	18	
1096348	1.20	0.152	0.043	0.66	5	7	14	0.07	< 20	3	< 2	< 10	86	< 10	5	5	
1096349	1.57	0.136	0.042	0.78	5	7	16	0.08	< 20	< 1	< 2	< 10	91	< 10	5	5	
1096350	0.45	0.076	0.038	0.04	< 2	4	45	0.11	< 20	1	< 2	< 10	25	< 10	9	5	
1096351	1.37	0.173	0.073	1.14	4	7	32	0.20	< 20	< 1	< 2	< 10	89	< 10	6	12	
1096352	2.17	0.080	0.110	0.75	< 2	6	60	0.30	< 20	2	< 2	< 10	104	< 10	5	10	
1096353	1.52	0.167	0.109	0.41	< 2	7	37	0.27	< 20	2	< 2	< 10	103	< 10	8	13	
1096354	2.37	0.178	0.068	0.71	2	10	14	0.26	< 20	< 1	< 2	< 10	127	< 10	7	11	
1096355	2.15	0.198	0.077	0.36	< 2	9	14	0.24	< 20	< 1	< 2	< 10	120	< 10	6	18	
1096356	1.26	0.212	0.087	0.23	< 2	8	46	0.20	< 20	1	< 2	< 10	77	< 10	6	13	
1096357	1.53	0.217	0.058	< 0.01	< 2	8	34	0.15	< 20	< 1	< 2	< 10	68	< 10	4	12	
1096358	1.05	0.068	0.080	0.89	5	3	34	0.15	< 20	< 1	< 2	< 10	58	< 10	4	10	
1096359	1.57	0.128	0.069	0.69	4	5	21	0.17	< 20	1	< 2	< 10	83	< 10	4	7	
1096360	0.95	0.026	0.054	3.02	6	2	115	0.02	< 20	< 1	< 2	< 10	19	25	3	21	
1096361	1.21	0.197	0.039	0.70	6	6	12	0.07	< 20	< 1	< 2	< 10	83	< 10	5	5	
1096362	1.21	0.174	0.039	0.51	7	6	19	0.10	< 20	3	< 2	< 10	84	< 10	4	5	
1096363	0.89	0.152	0.026	0.46	4	5	27	0.07	< 20	< 1	< 2	< 10	55	< 10	4	4	
1096364	1.46	0.228	0.040	0.78	6	8	15	0.08	< 20	< 1	< 2	< 10	97	< 10	5	5	
1096365	1.47	0.234	0.038	0.76	5	8	14	0.09	< 20	< 1	< 2	< 10	97	< 10	5	5	
1096366	1.10	0.117	0.040	1.02	6	6	12	0.06	< 20	< 1	< 2	< 10	79	< 10	4	5	
1096367	0.74	0.044	0.044	1.24	6	3	19	0.04	< 20	2	< 2	< 10	53	< 10	4	5	
1096368	0.03	0.009	0.046	0.91	10	< 1	16	< 0.01	< 20	5	< 2	< 10	6	< 10	3	6	
1096369	2.46	0.182	0.036	0.94	5	10	8	0.08	< 20	< 1	< 2	< 10	121	< 10	7	5	
1096370	0.47	0.085	0.039	0.04	< 2	4	47	0.12	< 20	< 1	< 2	< 10	27	< 10	10	5	
1096371	2.08	0.225	0.037	0.77	4	10	12	0.10	< 20	< 1	< 2	< 10	124	< 10	6	4	
1096372	2.24	0.260	0.032	0.78	5	11	24	0.14	< 20	< 1	< 2	< 10	126	< 10	6	4	
1096373	0.09	0.019	0.036	1.04	7	< 1	42	< 0.01	< 20	< 1	< 2	< 10	9	< 10	3	5	
1096374	1.04	0.166	0.035	1.36	5	6	44	0.08	< 20	< 1	< 2	< 10	66	< 10	5	4	
1096375	0.96	0.158	0.045	0.71	6	5	40	0.07	< 20	2	< 2	< 10	68	< 10	5	4	
1096376	1.04	0.128	0.038	1.19	5	5	32	0.09	< 20	< 1	< 2	< 10	71	< 10	4	5	
1096377	0.56	0.181	0.036	0.11	< 2	2	42	0.16	< 20	< 1	< 2	< 10	28	< 10	2	23	
1096378	0.43	0.156	0.036	0.01	< 2	2	48	0.15	< 20	1	< 2	< 10	22	< 10	2	19	
1096379	0.45	0.132	0.037	0.03	< 2	2	62	0.14	< 20	1	< 2	< 10	22	< 10	2	20	
1096380	0.54	0.114	0.038	0.09	3	4	50	0.13	< 20	3	< 2	< 10	35	< 10	9	7	
1096381	2.49	0.142	0.044	0.21	< 2	7	16	0.16	< 20	1	< 2	< 10	72	< 10	3	9	
1096382	2.96	0.080	0.039	< 0.01	4	4	9	0.14	< 20	< 1	< 2	< 10	49	< 10	2	9	
1096383	2.21	0.202	0.046	0.32	5	8	28	0.16	< 20	2	< 2	< 10	86	< 10	5	9	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096384	2.34	0.247	0.041	1.42	6	13	18	0.21	<20	3	<2	<10	133	<10	7	5	
1096385	1.42	0.240	0.055	0.06	<2	4	104	0.18	<20	1	<2	<10	53	<10	8	15	
1096386	0.27	0.095	0.032	0.68	3	<1	35	0.08	<20	<1	<2	<10	19	<10	3	22	
1096387	0.05	0.118	0.010	0.04	<2	<1	13	<0.01	<20	<1	<2	<10	2	<10	6	19	
1096388	1.99	0.105	0.087	0.15	<2	4	53	0.22	<20	1	<2	<10	72	<10	4	8	
1096389	1.86	0.134	0.081	0.14	<2	6	76	0.22	<20	<1	<2	<10	85	<10	4	11	
1096390																	
1096391	1.69	0.154	0.083	0.11	<2	6	77	0.21	<20	<1	<2	<10	80	<10	5	14	
1096392	1.54	0.151	0.070	1.16	<2	6	45	0.18	<20	2	<2	<10	69	<10	4	8	
1096393	1.45	0.110	0.075	0.70	<2	4	65	0.18	<20	<1	<2	<10	57	<10	5	12	
1096394	1.53	0.129	0.073	0.02	<2	3	73	0.20	<20	2	<2	<10	48	<10	4	12	
1096395	1.02	0.092	0.051	0.53	<2	3	111	0.14	<20	<1	<2	<10	38	<10	5	16	
1096396	1.63	0.137	0.068	0.03	3	6	91	0.23	<20	<1	3	<10	66	<10	4	8	
1096397	1.47	0.126	0.065	0.20	<2	5	64	0.21	<20	1	<2	<10	62	<10	5	9	
1096398	1.17	0.135	0.061	0.05	<2	4	74	0.21	<20	2	<2	<10	46	<10	5	13	
1096399	1.54	0.119	0.071	0.11	<2	6	86	0.23	<20	3	<2	<10	64	<10	6	10	
1096400																	
1096401	1.36	0.093	0.068	0.02	<2	5	107	0.22	<20	3	<2	<10	56	<10	5	10	
1096402	0.85	0.105	0.048	0.04	<2	3	151	0.16	<20	4	<2	<10	33	<10	4	17	
1096403	1.57	0.102	0.049	0.02	<2	5	61	0.17	<20	<1	<2	<10	47	<10	3	12	
1096404	1.34	0.077	0.065	0.01	<2	6	218	0.19	<20	3	<2	<10	54	<10	4	7	
1096405	1.39	0.074	0.066	0.01	<2	6	213	0.19	<20	1	<2	<10	54	<10	4	7	
1096406	1.78	0.100	0.084	0.05	<2	6	107	0.21	<20	1	<2	<10	69	<10	5	10	
1096407	1.63	0.127	0.084	0.09	<2	6	100	0.25	<20	3	<2	<10	71	<10	5	9	
1096408	1.76	0.136	0.041	0.91	3	7	47	0.23	<20	<1	<2	<10	94	<10	5	11	
1096409	1.36	0.142	0.105	0.19	<2	6	100	0.22	<20	3	<2	<10	55	<10	6	12	
1096410	0.45	0.079	0.040	0.04	<2	4	47	0.12	<20	<1	<2	<10	28	<10	11	6	
1096411	1.39	0.134	0.063	0.03	<2	6	63	0.22	<20	2	<2	<10	56	<10	6	12	
1096412	1.15	0.129	0.060	0.76	3	4	63	0.15	<20	3	<2	<10	52	<10	5	10	
1096413	2.21	0.217	0.045	0.88	3	10	18	0.19	<20	<1	<2	<10	109	<10	6	5	
1096414	1.83	0.199	0.070	0.28	<2	8	45	0.20	<20	2	<2	<10	75	<10	6	11	
1096415	1.86	0.240	0.048	0.62	3	10	21	0.17	<20	<1	<2	<10	108	<10	7	6	
1096416	2.08	0.315	0.041	0.24	<2	15	45	0.25	<20	3	<2	<10	135	<10	8	3	
1096417	1.95	0.313	0.049	0.29	<2	12	22	0.17	<20	3	<2	<10	115	<10	8	6	
1096418	2.14	0.332	0.036	0.30	<2	14	40	0.20	<20	1	<2	<10	124	<10	8	5	
1096419	0.72	0.196	0.032	0.03	<2	5	33	0.14	<20	1	<2	<10	46	<10	3	25	
1096420																	
1096421	1.94	0.286	0.041	0.38	2	13	30	0.21	<20	1	<2	<10	124	<10	8	5	
1096422	2.80	0.277	0.036	0.43	2	13	15	0.22	<20	3	<2	<10	142	<10	8	4	
1096423	2.41	0.253	0.029	0.45	2	12	16	0.22	<20	<1	<2	<10	121	<10	7	4	
1096424	2.11	0.224	0.042	0.26	2	10	17	0.21	<20	1	<2	<10	111	<10	6	8	
1096425	2.25	0.164	0.060	0.44	<2	8	18	0.24	<20	<1	<2	<10	92	<10	4	8	
1096426	1.21	0.144	0.066	0.58	3	5	37	0.13	<20	<1	<2	<10	64	<10	4	7	
1096427	0.66	0.102	0.058	0.41	6	4	26	0.09	<20	<1	<2	<10	72	<10	4	5	
1096428	1.29	0.175	0.062	0.56	3	7	39	0.17	<20	1	<2	<10	99	<10	5	7	
1096429	0.72	0.112	0.064	0.31	2	5	43	0.18	<20	2	<2	<10	60	<10	4	6	
1096430	0.45	0.085	0.038	0.04	<2	4	45	0.12	<20	<1	<2	<10	26	<10	9	6	
1096431	1.50	0.237	0.055	0.31	2	10	27	0.24	<20	3	<2	<10	90	<10	6	7	
1096432	1.12	0.178	0.051	0.33	4	7	29	0.17	<20	<1	<2	<10	81	<10	5	5	
1096433	2.01	0.352	0.040	0.33	3	15	32	0.18	<20	2	<2	<10	121	<10	7	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096434	1.61	0.272	0.041	0.40	3	11	41	0.17	<20	2	<2	<10	99	<10	6	3	
1096435	1.90	0.292	0.045	0.21	2	13	31	0.20	<20	2	<2	<10	107	<10	7	4	
1096436	1.33	0.207	0.040	0.12	<2	12	59	0.30	<20	2	<2	<10	101	<10	7	2	
1096437	2.13	0.303	0.039	0.18	2	15	37	0.20	<20	<1	<2	<10	121	<10	8	2	
1096438	2.12	0.340	0.039	0.18	<2	15	30	0.15	<20	1	<2	<10	119	<10	8	2	
1096439	2.87	0.329	0.043	0.22	2	15	14	0.15	<20	<1	<2	<10	131	<10	8	2	
1096440	0.54	0.121	0.038	0.09	3	4	48	0.13	<20	<1	<2	<10	34	<10	9	7	
1096441	2.25	0.311	0.040	0.14	<2	14	16	0.18	<20	3	<2	<10	117	<10	8	3	
1096442	2.17	0.264	0.038	0.07	<2	14	21	0.22	<20	2	<2	<10	121	<10	8	2	
1096443	1.99	0.202	0.056	0.02	<2	10	14	0.18	<20	2	<2	<10	82	<10	5	10	
1096444	1.55	0.183	0.064	0.09	<2	8	11	0.17	<20	2	<2	<10	70	<10	5	13	
1096445	1.53	0.177	0.065	0.09	<2	8	11	0.17	<20	2	<2	<10	71	<10	5	12	
1096446	1.12	0.154	0.068	0.28	<2	5	28	0.15	<20	4	<2	<10	52	<10	4	13	
1096447	1.37	0.155	0.076	<0.01	<2	5	15	0.19	<20	1	<2	<10	50	<10	5	12	
1096448	0.64	0.081	0.056	1.39	7	1	36	0.04	<20	<1	<2	<10	21	<10	3	7	
1096449	1.69	0.112	0.040	0.83	4	3	52	0.08	<20	1	<2	<10	41	<10	3	6	
1096450	0.46	0.079	0.039	0.04	<2	4	47	0.12	<20	<1	<2	<10	26	<10	10	5	
1096451	1.81	0.239	0.041	0.27	3	12	17	0.22	<20	<1	<2	<10	108	<10	7	4	
1096452	1.62	0.192	0.046	0.41	2	8	35	0.16	<20	2	<2	<10	78	<10	5	7	
1096453	2.42	0.273	0.037	0.14	<2	15	22	0.17	<20	<1	<2	<10	122	<10	8	2	
1096454	2.52	0.194	0.046	0.02	<2	12	19	0.19	<20	2	<2	<10	100	<10	6	5	
1096455	1.94	0.241	0.037	0.07	<2	12	10	0.16	<20	2	<2	<10	102	<10	6	2	
1096456	2.41	0.344	0.041	0.11	<2	15	16	0.15	<20	<1	<2	<10	126	<10	8	2	
1096457	2.60	0.284	0.036	0.26	4	13	15	0.17	<20	1	<2	<10	143	<10	7	3	
1096458	2.18	0.333	0.036	0.27	5	14	15	0.14	<20	1	<2	<10	129	<10	8	3	
1096459	0.05	0.014	0.061	0.72	6	<1	8	0.02	<20	<1	<2	<10	17	<10	3	5	
1096460	0.82	0.029	0.053	1.01	6	2	136	0.02	<20	2	<2	<10	21	19	3	15	
1096461	0.56	0.049	0.067	0.84	6	2	18	0.05	<20	<1	<2	<10	77	<10	3	5	
1096462	3.08	0.177	0.031	0.28	5	10	10	0.12	<20	<1	<2	<10	126	<10	6	5	
1096463	2.27	0.247	0.030	0.27	3	11	11	0.16	<20	1	<2	<10	119	<10	7	3	
1096464	1.96	0.318	0.036	0.10	<2	15	17	0.17	<20	<1	<2	<10	123	<10	8	2	
1096465	1.82	0.283	0.036	0.12	<2	14	26	0.18	<20	4	<2	<10	113	<10	8	2	
1096466	0.56	0.083	0.053	0.76	2	3	28	0.09	<20	3	<2	<10	54	<10	5	3	
1096467	1.52	0.213	0.054	0.33	<2	11	49	0.21	<20	2	<2	<10	92	<10	7	3	
1096468	0.46	0.105	0.020	0.01	<2	3	47	0.12	<20	<1	<2	<10	30	<10	2	15	
1096469	1.81	0.279	0.038	0.07	<2	14	43	0.23	<20	1	<2	<10	116	<10	8	2	
1096470																	
1096471	1.83	0.215	0.050	0.12	<2	12	33	0.21	<20	1	<2	<10	102	<10	7	2	
1096472	0.59	0.115	0.064	0.11	<2	3	58	0.16	<20	<1	<2	<10	37	<10	4	14	
1096473	0.98	0.165	0.060	0.12	<2	5	56	0.19	<20	1	<2	<10	48	<10	4	22	
1096474	2.82	0.292	0.033	0.23	<2	14	25	0.18	<20	<1	<2	<10	129	<10	8	2	
1096475	2.67	0.247	0.035	0.43	2	12	31	0.15	<20	<1	<2	<10	115	<10	7	3	
1096476	2.17	0.233	0.038	0.25	<2	12	21	0.18	<20	<1	<2	<10	107	<10	7	3	
1096477	1.89	0.208	0.038	0.12	3	11	61	0.15	<20	<1	<2	<10	102	<10	7	2	
1096478	2.06	0.250	0.037	0.11	<2	13	158	0.17	<20	2	<2	<10	115	<10	8	2	
1096479	1.76	0.254	0.037	0.06	<2	14	22	0.17	<20	<1	<2	<10	111	<10	8	2	
1096480	0.93	0.024	0.054	2.94	6	2	117	0.02	<20	<1	<2	<10	17	25	3	21	
1096481	1.96	0.209	0.078	0.06	<2	6	83	0.25	<20	<1	<2	<10	75	<10	5	14	
1096482	1.85	0.190	0.070	0.09	<2	7	118	0.26	<20	<1	<2	<10	74	<10	5	12	
1096483	1.70	0.223	0.031	0.53	4	11	49	0.24	<20	3	<2	<10	101	<10	6	3	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
1096484	1.03	0.160	0.029	0.11	< 2	6	54	0.19	< 20	3	< 2	< 10	58	< 10	4	11	
1096485	1.07	0.165	0.030	0.11	< 2	6	53	0.19	< 20	2	< 2	< 10	60	< 10	4	11	
1096486	1.87	0.282	0.034	0.10	< 2	13	27	0.21	< 20	< 1	< 2	< 10	121	< 10	7	2	
1096487	2.18	0.249	0.029	0.06	< 2	12	22	0.20	< 20	< 1	< 2	< 10	99	< 10	6	2	
1096488	2.56	0.214	0.036	0.07	< 2	11	15	0.21	< 20	3	< 2	< 10	100	< 10	6	2	
1096489	2.30	0.264	0.035	0.06	< 2	12	18	0.19	< 20	< 1	< 2	< 10	104	< 10	7	2	
1096490	0.45	0.080	0.038	0.04	< 2	4	48	0.12	< 20	2	< 2	< 10	26	< 10	10	5	
1096491	2.25	0.213	0.033	0.21	< 2	12	28	0.23	< 20	2	< 2	< 10	111	< 10	6	2	
1096492	0.25	0.076	0.033	0.02	< 2	< 1	45	0.07	< 20	< 1	< 2	< 10	9	< 10	2	11	
1096493	0.19	0.072	0.002	0.01	< 2	1	19	0.03	< 20	< 1	< 2	< 10	10	< 10	1	26	
1096494	2.52	0.113	0.034	0.04	< 2	10	119	0.34	< 20	3	< 2	< 10	125	< 10	6	2	
1096495	2.15	0.122	0.034	0.06	< 2	9	40	0.32	< 20	2	< 2	< 10	120	< 10	6	2	
1096496	0.20	0.082	0.022	0.01	< 2	< 1	44	0.07	< 20	< 1	< 2	< 10	9	< 10	2	12	
1096497	0.36	0.080	0.013	0.01	< 2	2	35	0.08	< 20	2	< 2	< 10	18	< 10	2	23	



Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	76	1070	1	28	100	124	7.09	242	< 10	700	0.8	3	0.12	15	77	6.13	20	1	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	67	1050	1	24	96	123	6.75	220	< 10	677	0.8	< 2	0.13	14	79	5.59	20	2	0.97	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1080	1	25	96	122	6.73	219	< 10	674	0.8	2	0.13	14	81	5.63	20	1	1.03	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		1.3	< 0.5	2190	762	< 1	37	60	257	2.79	5		79	0.7	7	0.39	20	44	5.06	< 10		0.49	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2140	768	< 1	36	60	250	2.76	6		76	0.7	7	0.41	19	45	4.99	< 10		0.46	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2190	766	< 1	36	62	253	2.70	4		71	0.7	8	0.40	19	47	5.00	< 10		0.42	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4450	877	< 1	36	82	330	2.86	7		64	0.7	22	0.39	23	41	6.05	< 10		0.42	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4180	870	< 1	34	78	323	2.81	5		61	0.6	22	0.41	21	42	5.86	< 10		0.38	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4400	882	< 1	34	81	329	2.78	6		58	0.6	25	0.40	22	42	5.93	< 10		0.38	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.4		> 10000				87	401						47		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.5		> 10000				87	403						59		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		70.1	303	3710	549	12	28	> 5000	> 10000	1.76	79			0.6	6	1.58	31	32	3.36	10	4	0.39	20
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		64.4	275	3340	529	12	24	> 5000	> 10000	1.62	73			0.5	7	1.62	30	29	3.11	< 10	4	0.31	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.4	287	3530	540	12	27	> 5000	> 10000	1.69	77			0.5	6	1.65	30	33	3.31	10	5	0.35	19

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3060																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3060																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2900																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	493																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	506																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	513																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	518																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	520																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	503																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
1096342 Orig	< 5																						
1096342 Dup	< 5																						
1096346 Orig		0.3	< 0.5	90	698	< 1	56	< 2	73	2.03	3	< 10	50	< 0.5	< 2	2.45	22	66	14.5	< 10	< 1	0.32	< 10
1096346 Dup		0.3	< 0.5	88	675	< 1	55	< 2	73	1.98	2	< 10	45	< 0.5	< 2	2.39	23	65	14.2	< 10	< 1	0.32	< 10
1096352 Orig	< 5																						
1096352 Dup	< 5																						
1096356 Orig	< 5																						
1096356 Dup	< 5																						
1096360 Orig		1.8	3.3	346	361	9	24	122	625	1.47	6670	< 10	17	< 0.5	< 2	1.61	17	27	11.8	< 10	< 1	0.21	< 10
1096360 Dup		2.6	3.2	356	366	9	24	126	621	1.51	6700	< 10	15	< 0.5	< 2	1.53	18	27	12.2	< 10	< 1	0.22	< 10
1096373 Orig		0.2	0.5	63	703	< 1	11	< 2	178	0.14	5	< 10	< 10	< 0.5	< 2	3.53	10	6	22.1	< 10	< 1	0.02	< 10
1096373 Dup		0.3	< 0.5	63	691	< 1	12	< 2	174	0.13	5	< 10	< 10	< 0.5	< 2	3.60	10	6	22.0	< 10	< 1	0.02	< 10
1096377 Orig	< 5																						
1096377 Dup	< 5																						
1096383 Orig	< 5	< 0.2	< 0.5	47	764	< 1	97	< 2	64	2.27	< 2	< 10	133	< 0.5	< 2	2.30	22	240	8.76	< 10	1	0.55	< 10
1096383 Split PREP DUP	< 5	< 0.2	< 0.5	50	718	< 1	97	< 2	62	2.20	< 2	< 10	139	< 0.5	< 2	2.15	21	246	8.30	< 10	2	0.59	< 10
1096386 Orig		0.3	< 0.5	68	310	< 1	11	5	37	0.79	< 2	< 10	73	< 0.5	< 2	0.98	9	8	7.11	< 10	1	0.39	13
1096386 Dup		0.3	< 0.5	69	309	< 1	11	5	37	0.78	< 2	< 10	80	< 0.5	< 2	0.98	8	8	7.20	< 10	< 1	0.41	13
1096394 Orig	< 5																						
1096394 Dup	< 5																						
1096411 Orig	< 5	< 0.2	< 0.5	19	315	< 1	41	< 2	30	1.20	< 2	< 10	62	< 0.5	< 2	1.44	15	163	1.96	< 10	< 1	0.17	16
1096411 Dup	< 5	< 0.2	< 0.5	20	316	< 1	41	< 2	31	1.20	< 2	< 10	63	< 0.5	< 2	1.43	16	166	1.98	< 10	< 1	0.17	16
1096421 Orig	< 5																						
1096421 Dup	< 5																						
1096425 Orig	< 5	< 0.2	< 0.5	123	584	< 1	72	< 2	52	2.08	< 2	< 10	59	< 0.5	< 2	1.57	25	196	6.96	< 10	< 1	0.24	< 10
1096425 Dup	< 5	< 0.2	< 0.5	126	592	< 1	74	< 2	53	2.09	< 2	< 10	60	< 0.5	< 2	1.59	25	201	7.05	< 10	2	0.25	< 10
1096433 Orig	< 5	< 0.2	< 0.5	107	848	< 1	69	< 2	58	2.59	< 2	< 10	36	< 0.5	< 2	3.10	26	99	8.39	< 10	2	0.15	< 10
1096433 Split PREP DUP	< 5	< 0.2	< 0.5	101	837	< 1	68	< 2	56	2.58	< 2	< 10	35	< 0.5	< 2	3.08	25	97	8.19	< 10	2	0.15	< 10
1096437 Orig		< 0.2	< 0.5	120	769	< 1	67	< 2	63	2.76	< 2	< 10	< 10	< 0.5	< 2	3.03	24	100	5.62	< 10	1	0.08	< 10
1096437 Dup		< 0.2	< 0.5	119	741	< 1	66	< 2	61	2.70	< 2	< 10	< 10	< 0.5	< 2	2.93	24	96	5.52	< 10	< 1	0.07	< 10
1096439 Orig	< 5																						
1096439 Dup	< 5																						
1096445 Orig	< 5																						
1096445 Dup	< 5																						
1096451 Orig		< 0.2	< 0.5	29	762	< 1	80	< 2	50	2.33	< 2	< 10	73	< 0.5	< 2	2.68	23	102	8.96	< 10	1	0.36	< 10
1096451 Dup		< 0.2	< 0.5	29	769	< 1	80	< 2	50	2.39	< 2	< 10	74	< 0.5	< 2	2.73	22	103	9.26	< 10	2	0.36	< 10
1096455 Orig	6																						
1096455 Dup	7																						
1096459 Orig	5																						
1096459 Dup	5																						
1096467 Orig		< 0.2	< 0.5	164	592	< 1	51	4	54	1.87	< 2	< 10	13	< 0.5	< 2	2.53	21	82	3.99	< 10	< 1	0.09	< 10
1096467 Dup		< 0.2	< 0.5	162	598	< 1	50	3	55	1.89	< 2	< 10	13	< 0.5	< 2	2.56	21	82	4.02	< 10	1	0.09	< 10
1096481 Orig	7																						
1096481 Dup	< 5																						
1096482 Orig		< 0.2	< 0.5	29	485	< 1	80	4	63	2.26	< 2	< 10	254	< 0.5	< 2	1.79	19	93	3.24	< 10	< 1	0.71	17
1096482 Dup		< 0.2	< 0.5	30	489	< 1	80	4	63	2.28	< 2	< 10	255	< 0.5	< 2	1.79	19	94	3.26	< 10	1	0.75	17
1096483 Orig	6	0.3	< 0.5	145	641	6	70	< 2	59	2.13	< 2	< 10	47	< 0.5	< 2	2.80	22	85	8.94	< 10	1	0.22	< 10
1096483 Split PREP DUP	6	0.2	< 0.5	138	590	7	65	3	55	1.92	< 2	< 10	42	< 0.5	< 2	2.69	20	78	9.07	< 10	2	0.20	< 10



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.40	0.124	0.036	0.01	3	18	28		< 20	< 1	< 2	< 10	174	< 10	4	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.122	0.034	0.01	4	19	27		< 20	< 1	< 2	< 10	162	< 10	5	7
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.39	0.120	0.034	0.01	4	20	28		< 20	< 1	< 2	< 10	163	< 10	5	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.25	0.029	0.065	0.35	< 2	4	16		< 20		< 2	< 10	36	< 10	20	29
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.27	0.033	0.062	0.34	2	4	16		< 20		< 2	< 10	35	< 10	19	26
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.28	0.031	0.063	0.35	3	4	16		< 20		< 2	< 10	34	< 10	18	24
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.38		0.063	0.65	2	4	15		< 20		< 2	< 10	36	< 10	19	34
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.38		0.060	0.62	2	4	14		< 20		< 2	< 10	34	< 10	17	30
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.41		0.061	0.65	< 2	4	14		< 20		< 2	< 10	34	< 10	17	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				3.84	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				3.80	7											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.43	0.181	0.035	4.71	123	2	19		< 20		< 2	< 10	13	< 10	8	68
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.41	0.155	0.032	4.23	105	2	17		< 20		< 2	< 10	12	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua	0.43	0.175	0.033	4.47	112	2	18		< 20		< 2	< 10	12	< 10	7	63



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																
1096342 Orig																
1096342 Dup																
1096346 Orig	1.51	0.199	0.042	1.19	5	8	28	0.11	< 20	< 1	< 2	< 10	89	< 10	6	5
1096346 Dup	1.47	0.195	0.041	1.19	5	8	28	0.10	< 20	< 1	< 2	< 10	87	< 10	6	5
1096352 Orig																
1096352 Dup																
1096356 Orig																
1096356 Dup																
1096360 Orig	0.94	0.026	0.054	3.05	7	2	117	0.02	< 20	< 1	< 2	< 10	19	25	3	21
1096360 Dup	0.96	0.025	0.055	3.00	6	2	114	0.02	< 20	< 1	< 2	< 10	19	25	3	21
1096373 Orig	0.10	0.020	0.036	0.99	7	< 1	42	< 0.01	< 20	3	< 2	< 10	9	< 10	3	5
1096373 Dup	0.09	0.018	0.036	1.10	7	< 1	42	< 0.01	< 20	< 1	< 2	< 10	9	< 10	3	5
1096377 Orig																
1096377 Dup																
1096383 Orig	2.21	0.202	0.046	0.32	5	8	28	0.16	< 20	2	< 2	< 10	86	< 10	5	9
1096383 Split PREP DUP	2.17	0.188	0.046	0.31	4	8	27	0.16	< 20	< 1	< 2	< 10	83	< 10	4	8
1096386 Orig	0.27	0.091	0.031	0.68	3	< 1	35	0.08	< 20	< 1	< 2	< 10	19	< 10	3	22
1096386 Dup	0.27	0.098	0.032	0.68	3	< 1	35	0.08	< 20	2	< 2	< 10	19	< 10	3	22
1096394 Orig																
1096394 Dup																
1096411 Orig	1.39	0.133	0.063	0.03	< 2	6	63	0.22	< 20	2	< 2	< 10	56	< 10	6	12
1096411 Dup	1.39	0.134	0.063	0.03	< 2	6	63	0.23	< 20	1	< 2	< 10	56	< 10	6	12
1096421 Orig																
1096421 Dup																
1096425 Orig	2.24	0.164	0.060	0.43	2	8	18	0.24	< 20	< 1	< 2	< 10	91	< 10	4	8
1096425 Dup	2.26	0.165	0.060	0.44	< 2	8	18	0.24	< 20	2	< 2	< 10	92	< 10	4	8
1096433 Orig	2.01	0.352	0.040	0.33	3	15	32	0.18	< 20	2	< 2	< 10	121	< 10	7	3
1096433 Split PREP DUP	1.98	0.350	0.039	0.30	3	14	32	0.18	< 20	< 1	< 2	< 10	120	< 10	7	2
1096437 Orig	2.15	0.304	0.038	0.18	2	15	38	0.20	< 20	< 1	< 2	< 10	122	< 10	8	2
1096437 Dup	2.11	0.302	0.039	0.19	2	14	36	0.20	< 20	1	< 2	< 10	119	< 10	8	2
1096439 Orig																
1096439 Dup																
1096445 Orig																
1096445 Dup																
1096451 Orig	1.79	0.234	0.041	0.27	3	11	17	0.21	< 20	2	< 2	< 10	108	< 10	6	4
1096451 Dup	1.83	0.244	0.041	0.27	3	12	18	0.22	< 20	< 1	< 2	< 10	109	< 10	7	5
1096455 Orig																
1096455 Dup																
1096459 Orig																
1096459 Dup																
1096467 Orig	1.52	0.215	0.053	0.33	< 2	11	49	0.21	< 20	2	< 2	< 10	92	< 10	7	3
1096467 Dup	1.52	0.211	0.054	0.33	< 2	11	50	0.21	< 20	2	< 2	< 10	92	< 10	7	3
1096481 Orig																
1096481 Dup																
1096482 Orig	1.84	0.188	0.070	0.08	3	7	118	0.26	< 20	2	< 2	< 10	73	< 10	5	13
1096482 Dup	1.85	0.192	0.071	0.09	< 2	7	119	0.27	< 20	< 1	< 2	< 10	74	< 10	5	12
1096483 Orig	1.70	0.223	0.031	0.53	4	11	49	0.24	< 20	3	< 2	< 10	101	< 10	6	3
1096483 Split PREP DUP	1.49	0.190	0.032	0.53	< 2	10	49	0.23	< 20	2	< 2	< 10	94	< 10	6	3







Report No.: A21-04720
Report Date: 30-Mar-21
Date Submitted: 22-Mar-21
Your Reference: Kas Lake Gold (Pickle Lake)

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

81 Core samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A21-04720

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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## Results

## Activation Laboratories Ltd.

## Report: A21-04720

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759001	9	0.3	< 0.5	210	770	< 1	47	42	269	2.40	< 2	< 10	281	< 0.5	< 2	1.51	15	87	4.07	< 10	2	0.79	22
759002	5	< 0.2	< 0.5	35	770	< 1	42	< 2	82	2.00	< 2	< 10	383	< 0.5	< 2	1.10	14	94	2.85	< 10	< 1	0.72	24
759003	6	< 0.2	< 0.5	70	819	< 1	38	< 2	73	1.86	< 2	< 10	233	< 0.5	< 2	1.29	14	83	3.23	< 10	< 1	0.41	22
759004	< 5	0.2	< 0.5	65	695	< 1	41	13	136	1.78	< 2	< 10	164	< 0.5	< 2	1.21	18	81	3.20	< 10	< 1	0.28	23
759005	9	0.3	< 0.5	97	683	< 1	48	19	68	1.99	< 2	< 10	103	< 0.5	< 2	1.33	17	93	3.85	< 10	2	0.30	17
759006	< 5	< 0.2	< 0.5	52	724	< 1	36	3	39	2.06	< 2	< 10	78	< 0.5	< 2	1.26	15	71	3.53	< 10	< 1	0.15	16
759007	< 5	< 0.2	< 0.5	53	514	< 1	13	4	28	1.66	< 2	< 10	142	< 0.5	< 2	0.58	13	18	3.07	< 10	< 1	0.35	< 10
759008	5	< 0.2	< 0.5	42	570	< 1	21	< 2	33	2.38	< 2	< 10	248	< 0.5	< 2	1.33	14	62	3.41	< 10	1	0.71	< 10
759009	< 5	< 0.2	< 0.5	170	537	< 1	26	5	35	2.20	< 2	< 10	77	< 0.5	< 2	0.91	15	39	3.74	< 10	2	0.23	< 10
759010	1190	89.8	9.3	934	906	11	11	4590	1050	1.91	30	11	38	< 0.5	< 2	3.39	16	20	3.64	< 10	1	0.16	< 10
759011	5	< 0.2	< 0.5	121	607	< 1	75	< 2	40	3.22	< 2	< 10	26	< 0.5	< 2	3.11	25	99	4.11	< 10	2	0.10	< 10
759012	< 5	< 0.2	< 0.5	18	549	< 1	29	< 2	23	3.50	< 2	< 10	141	< 0.5	< 2	0.51	16	52	4.11	10	2	0.48	< 10
759013	< 5	< 0.2	< 0.5	3	331	2	26	< 2	30	2.30	< 2	< 10	33	< 0.5	< 2	0.55	13	57	3.03	< 10	< 1	0.16	< 10
759014	< 5	< 0.2	< 0.5	5	255	< 1	12	< 2	27	1.65	< 2	< 10	84	< 0.5	< 2	0.67	11	58	2.28	< 10	< 1	0.17	< 10
759015	9	< 0.2	< 0.5	107	534	< 1	67	< 2	36	2.52	< 2	< 10	42	< 0.5	< 2	3.83	21	123	3.42	< 10	1	0.13	< 10
759016	12	< 0.2	< 0.5	108	621	< 1	39	< 2	24	1.98	< 2	< 10	14	< 0.5	< 2	3.11	25	50	4.67	< 10	1	0.06	< 10
759017	8	< 0.2	< 0.5	86	636	< 1	26	< 2	28	2.09	< 2	< 10	< 10	< 0.5	< 2	2.86	25	17	5.30	< 10	< 1	0.05	< 10
759018	< 5	< 0.2	< 0.5	43	639	< 1	20	6	31	1.64	< 2	< 10	< 10	< 0.5	< 2	3.67	24	8	4.85	< 10	2	0.05	< 10
759019	25	< 0.2	< 0.5	158	652	< 1	17	< 2	42	1.98	< 2	< 10	< 10	< 0.5	< 2	2.75	27	6	6.08	< 10	2	0.06	< 10
759020	< 5	< 0.2	< 0.5	20	607	4	12	2	34	1.20	2	< 10	60	< 0.5	< 2	1.12	5	25	2.40	< 10	< 1	0.10	< 10
759021	9	< 0.2	< 0.5	194	584	< 1	17	< 2	35	1.67	< 2	< 10	< 10	< 0.5	< 2	2.32	28	4	6.49	< 10	2	0.06	< 10
759022	8	< 0.2	< 0.5	133	636	< 1	14	< 2	40	1.75	< 2	< 10	17	< 0.5	< 2	2.45	28	3	7.45	< 10	2	0.06	< 10
759023	< 5	< 0.2	< 0.5	29	956	< 1	2	< 2	45	1.85	< 2	< 10	27	< 0.5	< 2	3.47	22	3	7.18	10	2	0.09	< 10
759024	< 5	< 0.2	< 0.5	6	651	< 1	2	< 2	33	1.22	< 2	< 10	13	< 0.5	< 2	2.74	10	3	7.49	10	1	0.04	10
759025	< 5	< 0.2	< 0.5	6	639	< 1	2	< 2	33	1.20	< 2	< 10	13	< 0.5	< 2	2.72	10	3	7.48	10	< 1	0.04	10
759026	457	< 0.2	< 0.5	7	727	< 1	1	3	42	1.35	< 2	< 10	< 10	< 0.5	< 2	3.63	15	3	7.56	10	2	0.04	10
759027	20	< 0.2	< 0.5	9	805	< 1	2	3	43	1.42	< 2	< 10	13	< 0.5	< 2	3.76	12	4	7.49	10	1	0.03	< 10
759028	151	< 0.2	< 0.5	16	1020	1	2	< 2	101	2.09	< 2	< 10	40	< 0.5	< 2	3.31	17	3	8.72	10	1	0.05	12
759029	< 5	< 0.2	< 0.5	3	896	< 1	2	< 2	72	1.49	< 2	< 10	28	< 0.5	< 2	2.16	11	5	7.18	10	2	0.04	11
759030	3780	19.8	1.1	339	562	5	200	225	131	3.70	10	< 10	92	< 0.5	2	2.90	20	195	3.56	< 10	2	0.21	12
759031	< 5	< 0.2	< 0.5	6	916	< 1	3	3	64	1.43	< 2	< 10	30	0.5	< 2	1.63	10	4	8.27	20	2	0.05	15
759032	36	< 0.2	< 0.5	7	1010	1	1	< 2	81	1.99	< 2	< 10	< 10	< 0.5	< 2	2.10	13	5	7.47	10	2	0.04	13
759033	< 5	< 0.2	< 0.5	11	910	< 1	2	< 2	87	2.02	< 2	< 10	41	0.5	< 2	2.30	12	4	7.78	10	2	0.10	11
759034	< 5	< 0.2	< 0.5	12	975	< 1	2	< 2	98	2.14	< 2	< 10	84	< 0.5	2	2.50	15	3	8.25	10	1	0.19	11
759035	< 5	< 0.2	< 0.5	8	1040	< 1	2	< 2	98	2.01	< 2	< 10	24	< 0.5	< 2	2.99	15	3	8.21	10	1	0.13	10
759036	< 5	< 0.2	< 0.5	9	860	< 1	3	< 2	83	1.96	< 2	< 10	69	< 0.5	2	2.79	15	3	7.42	10	2	0.21	< 10
759037	< 5	< 0.2	< 0.5	4	783	< 1	2	< 2	84	1.62	< 2	< 10	23	< 0.5	2	2.34	15	3	7.99	10	1	0.09	10
759038	< 5	< 0.2	< 0.5	8	721	< 1	2	< 2	69	1.67	3	< 10	90	< 0.5	2	2.50	16	3	7.19	10	1	0.22	< 10
759039	< 5	< 0.2	< 0.5	4	721	< 1	2	< 2	66	1.81	< 2	< 10	100	< 0.5	2	2.53	16	3	7.65	10	1	0.25	< 10
759040	< 5	< 0.2	< 0.5	19	626	4	11	3	35	1.21	< 2	< 10	61	< 0.5	< 2	1.14	6	25	2.42	< 10	< 1	0.11	< 10
759041	< 5	< 0.2	< 0.5	13	759	< 1	2	< 2	71	1.86	< 2	< 10	94	< 0.5	< 2	2.41	18	4	7.70	10	1	0.22	< 10
759042	< 5	< 0.2	< 0.5	27	692	< 1	1	< 2	64	2.00	3	< 10	< 10	< 0.5	2	2.57	19	3	8.76	10	< 1	0.04	< 10
759043	< 5	< 0.2	< 0.5	7	589	< 1	2	< 2	49	1.59	< 2	< 10	47	< 0.5	< 2	2.64	17	3	5.84	10	< 1	0.13	< 10
759044	< 5	< 0.2	< 0.5	21	629	< 1	2	3	50	1.70	< 2	< 10	64	< 0.5	< 2	3.00	27	2	6.38	< 10	2	0.21	< 10
759045	< 5	< 0.2	< 0.5	21	638	< 1	2	< 2	52	1.74	2	< 10	65	< 0.5	2	3.06	27	2	6.57	10	< 1	0.22	< 10
759046	< 5	< 0.2	< 0.5	18	645	< 1	2	< 2	56	1.97	< 2	< 10	123	< 0.5	< 2	3.17	29	2	6.74	10	1	0.53	< 10
759047	< 5	< 0.2	< 0.5	21	659	< 1	1	< 2	46	1.94	< 2	< 10	61	< 0.5	< 2	3.07	29	2	6.67	< 10	< 1	0.26	< 10
759048	210	< 0.2	< 0.5	33	690	< 1	2	< 2	124	2.50	< 2	< 10	18	< 0.5	< 2	2.92	36	2	7.75	10	2	0.10	< 10
759049	56	< 0.2	< 0.5	45	636	1	1	< 2	28	1.71	< 2	< 10	37	< 0.5	< 2	3.49	32	2	6.01	< 10	1	0.06	< 10
759050	> 5000	1.6	< 0.5	50	365	5	29	92	59	1.31	5740	< 10	36	< 0.5	4	1.79	10	48	9.02	< 10	< 1	0.21	< 10
759051	53	0.2	< 0.5	72	633	< 1	2	< 2	34	2.01	< 2	< 10	< 10	< 0.5	< 2	3.17	44	3	6.95	< 10	2	0.03	< 10

## Results

## Activation Laboratories Ltd.

## Report: A21-04720

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759052	131	0.3	< 0.5	62	645	< 1	5	< 2	39	2.12	< 2	< 10	24	< 0.5	2	3.79	39	2	6.42	< 10	1	0.07	< 10
759053	56	0.3	< 0.5	113	665	< 1	14	< 2	71	2.40	< 2	< 10	42	< 0.5	< 2	3.49	48	2	7.23	10	2	0.14	< 10
759054	128	0.3	< 0.5	196	681	< 1	29	< 2	68	2.72	< 2	< 10	56	< 0.5	< 2	3.58	41	2	7.26	10	< 1	0.16	< 10
759055	100	0.3	< 0.5	208	587	< 1	25	< 2	64	2.03	< 2	< 10	< 10	< 0.5	< 2	3.94	33	2	5.95	< 10	1	0.07	< 10
759056	547	0.3	< 0.5	203	655	< 1	37	< 2	59	2.93	< 2	< 10	22	< 0.5	2	3.00	40	3	7.17	10	1	0.13	< 10
759057	1840	0.6	< 0.5	184	618	2	37	< 2	76	2.09	< 2	< 10	56	< 0.5	< 2	4.74	31	6	5.77	< 10	2	0.22	< 10
759058	63	0.6	< 0.5	322	665	< 1	62	12	271	2.64	< 2	< 10	45	< 0.5	< 2	3.42	44	8	6.59	< 10	1	0.13	< 10
759059	6	0.2	< 0.5	75	650	1	39	7	133	2.27	< 2	< 10	82	< 0.5	< 2	2.72	28	19	5.12	< 10	< 1	0.08	< 10
759060	< 5	< 0.2	< 0.5	19	626	4	11	2	35	1.22	< 2	< 10	61	< 0.5	< 2	1.15	6	25	2.39	< 10	< 1	0.11	< 10
759061	5	< 0.2	< 0.5	85	654	< 1	44	4	96	2.77	< 2	< 10	51	< 0.5	< 2	4.50	30	18	5.52	< 10	1	0.11	< 10
759062	15	< 0.2	< 0.5	129	662	< 1	37	< 2	45	2.21	< 2	< 10	177	< 0.5	< 2	3.60	24	19	4.20	< 10	1	0.20	< 10
759063	49	< 0.2	< 0.5	125	687	< 1	36	< 2	35	2.42	< 2	< 10	31	< 0.5	< 2	3.73	23	23	4.53	< 10	2	0.11	< 10
759064	36	< 0.2	< 0.5	109	650	< 1	43	< 2	46	2.76	< 2	< 10	47	< 0.5	< 2	5.72	26	27	4.64	< 10	2	0.17	< 10
759065	12	< 0.2	< 0.5	137	563	< 1	29	< 2	34	2.35	< 2	< 10	26	< 0.5	< 2	2.97	23	21	4.18	< 10	< 1	0.13	< 10
759066	8	< 0.2	< 0.5	118	592	< 1	32	< 2	57	2.57	< 2	< 10	< 10	< 0.5	< 2	2.78	20	26	3.70	< 10	< 1	0.06	< 10
759067	6	< 0.2	< 0.5	119	521	< 1	34	< 2	27	2.18	< 2	< 10	< 10	< 0.5	< 2	2.66	19	32	3.39	< 10	< 1	0.06	< 10
759068	298	< 0.2	< 0.5	122	536	< 1	43	< 2	29	2.17	< 2	< 10	< 10	< 0.5	< 2	3.12	21	42	3.40	< 10	< 1	0.06	< 10
759069	16	< 0.2	< 0.5	130	538	< 1	52	< 2	36	2.00	< 2	< 10	< 10	< 0.5	< 2	3.25	23	47	3.65	< 10	< 1	0.07	< 10
759070	1220	92.3	9.1	957	904	11	11	4560	1020	1.98	28	12	34	< 0.5	< 2	3.39	16	20	3.73	< 10	2	0.17	< 10
759071	42	< 0.2	< 0.5	201	523	< 1	42	< 2	27	1.77	< 2	< 10	19	< 0.5	< 2	3.87	20	56	3.22	< 10	< 1	0.11	< 10
759072	14	< 0.2	< 0.5	130	490	< 1	35	< 2	29	1.99	< 2	< 10	< 10	< 0.5	< 2	3.78	18	57	3.09	< 10	< 1	0.05	< 10
759073	8	< 0.2	< 0.5	165	446	< 1	40	< 2	27	2.03	< 2	< 10	< 10	< 0.5	< 2	3.10	19	50	2.97	< 10	< 1	0.04	< 10
759074	11	< 0.2	< 0.5	136	425	< 1	39	< 2	26	2.14	< 2	< 10	< 10	< 0.5	< 2	2.64	17	50	2.66	< 10	< 1	0.05	< 10
759075	13	< 0.2	< 0.5	140	437	< 1	40	< 2	27	2.23	< 2	< 10	< 10	< 0.5	< 2	2.71	17	51	2.74	< 10	< 1	0.05	< 10
759076	12	< 0.2	< 0.5	170	512	< 1	50	< 2	29	2.38	< 2	< 10	< 10	< 0.5	< 2	3.23	21	59	3.28	< 10	< 1	0.06	< 10
759077	119	2.2	< 0.5	164	509	< 1	57	< 2	30	1.88	< 2	< 10	< 10	< 0.5	2	3.48	22	74	3.13	< 10	< 1	0.06	< 10
759078	35	< 0.2	< 0.5	157	596	< 1	68	< 2	30	2.06	< 2	< 10	34	< 0.5	< 2	3.71	24	106	3.84	< 10	2	0.26	< 10
759079	61	< 0.2	< 0.5	127	532	< 1	68	< 2	27	1.68	< 2	< 10	51	< 0.5	< 2	3.94	23	124	3.28	< 10	< 1	0.24	< 10
759080	< 5	< 0.2	< 0.5	19	615	3	11	3	34	1.18	< 2	< 10	59	< 0.5	< 2	1.11	6	25	2.37	< 10	< 1	0.10	< 10
759081	127	< 0.2	< 0.5	131	488	< 1	55	< 2	23	1.46	< 2	< 10	44	< 0.5	< 2	4.65	19	120	2.73	< 10	< 1	0.16	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759001	1.66	0.210	0.056	0.30	< 2	6	32	0.18	< 20	3	< 2	< 10	69	< 10	6	21	
759002	1.65	0.173	0.061	0.02	< 2	7	31	0.20	< 20	4	< 2	< 10	77	< 10	6	18	
759003	1.43	0.178	0.056	0.18	< 2	6	38	0.15	< 20	2	< 2	< 10	70	< 10	6	17	
759004	1.59	0.119	0.060	0.32	< 2	6	28	0.12	< 20	1	< 2	< 10	65	< 10	5	16	
759005	1.73	0.114	0.055	0.54	< 2	7	26	0.14	< 20	2	< 2	< 10	73	< 10	5	21	
759006	1.54	0.110	0.054	0.20	2	7	26	0.11	< 20	3	< 2	< 10	68	< 10	5	17	
759007	1.16	0.128	0.039	0.21	< 2	6	19	0.10	< 20	< 1	< 2	< 10	60	< 10	4	16	
759008	1.66	0.222	0.051	0.03	< 2	6	42	0.11	< 20	1	< 2	< 10	53	< 10	3	12	
759009	1.55	0.116	0.035	0.22	< 2	7	16	0.09	< 20	< 1	< 2	< 10	71	< 10	5	13	
759010	1.36	0.134	0.100	0.97	61	6	158	0.09	< 20	< 1	< 2	< 10	110	< 10	9	6	
759011	1.74	0.183	0.038	0.15	2	13	105	0.20	< 20	3	< 2	< 10	120	< 10	8	3	
759012	2.04	0.107	0.037	0.01	< 2	8	22	0.12	< 20	1	< 2	< 10	68	< 10	3	12	
759013	2.19	0.084	0.037	< 0.01	< 2	6	9	0.13	< 20	< 1	< 2	< 10	52	< 10	5	15	
759014	1.70	0.110	0.051	0.01	< 2	7	9	0.13	< 20	< 1	< 2	< 10	46	< 10	6	9	
759015	1.59	0.256	0.021	0.13	< 2	13	45	0.21	< 20	4	< 2	< 10	110	< 10	7	2	
759016	1.61	0.270	0.042	0.16	< 2	19	23	0.17	< 20	3	< 2	< 10	158	< 10	12	4	
759017	1.74	0.290	0.047	0.11	< 2	19	12	0.18	< 20	3	< 2	< 10	186	< 10	14	5	
759018	1.32	0.249	0.061	0.19	< 2	18	15	0.18	< 20	< 1	< 2	< 10	181	< 10	16	4	
759019	1.54	0.315	0.055	0.19	< 2	22	10	0.19	< 20	< 1	< 2	< 10	248	< 10	15	5	
759020	0.44	0.082	0.038	0.04	< 2	4	49	0.11	< 20	2	< 2	< 10	28	< 10	10	6	
759021	1.18	0.324	0.044	0.07	< 2	24	9	0.24	< 20	1	< 2	< 10	411	< 10	15	6	
759022	1.23	0.288	0.056	0.03	2	24	16	0.23	< 20	2	< 2	< 10	374	< 10	20	10	
759023	0.95	0.294	0.082	< 0.01	< 2	22	23	0.19	< 20	1	< 2	< 10	96	< 10	27	9	
759024	0.45	0.184	0.134	0.02	3	14	35	0.14	< 20	2	< 2	< 10	3	< 10	43	6	
759025	0.44	0.180	0.136	0.02	3	14	34	0.13	< 20	2	< 2	< 10	2	< 10	43	7	
759026	0.57	0.201	0.110	0.14	2	15	18	0.15	< 20	2	< 2	< 10	3	< 10	35	9	
759027	0.55	0.210	0.117	0.09	< 2	15	47	0.15	< 20	1	< 2	< 10	2	< 10	38	9	
759028	0.65	0.279	0.115	0.18	3	18	22	0.18	< 20	2	< 2	< 10	2	< 10	44	11	
759029	0.39	0.195	0.101	0.03	< 2	16	15	0.15	< 20	1	< 2	< 10	3	< 10	40	9	
759030	1.82	0.451	0.034	0.11	9	5	114	0.11	< 20	< 1	< 2	< 10	78	< 10	10	4	
759031	0.35	0.152	0.158	0.06	3	12	24	0.13	< 20	1	< 2	< 10	2	< 10	55	6	
759032	0.38	0.181	0.155	0.10	3	14	11	0.17	< 20	2	< 2	< 10	3	< 10	44	7	
759033	0.50	0.245	0.128	0.06	< 2	17	19	0.15	< 20	2	< 2	< 10	2	< 10	40	8	
759034	0.58	0.308	0.118	0.08	2	20	17	0.17	< 20	2	< 2	< 10	2	< 10	44	10	
759035	0.56	0.289	0.111	0.04	3	19	19	0.16	< 20	2	< 2	< 10	2	< 10	41	10	
759036	0.63	0.276	0.112	0.03	2	21	16	0.19	< 20	2	< 2	< 10	3	< 10	39	10	
759037	0.52	0.225	0.110	0.02	4	21	11	0.17	< 20	2	< 2	< 10	3	< 10	38	10	
759038	0.61	0.212	0.105	0.02	2	21	17	0.22	< 20	2	< 2	< 10	5	< 10	39	11	
759039	0.70	0.202	0.105	0.02	2	21	15	0.21	< 20	2	< 2	< 10	4	< 10	37	11	
759040	0.44	0.082	0.038	0.04	< 2	4	50	0.11	< 20	3	< 2	< 10	28	< 10	10	6	
759041	0.66	0.240	0.099	0.06	3	22	12	0.22	< 20	2	< 2	< 10	7	< 10	36	11	
759042	0.82	0.180	0.102	0.18	2	22	16	0.19	< 20	1	< 2	< 10	23	< 10	37	9	
759043	0.67	0.215	0.086	0.07	< 2	22	13	0.20	< 20	2	< 2	< 10	18	< 10	29	8	
759044	0.82	0.190	0.067	0.32	2	24	19	0.24	< 20	4	< 2	< 10	28	< 10	24	7	
759045	0.84	0.196	0.067	0.33	< 2	25	19	0.23	< 20	2	< 2	< 10	28	< 10	25	7	
759046	1.05	0.201	0.055	0.20	< 2	26	19	0.26	< 20	3	< 2	< 10	37	< 10	20	7	
759047	1.08	0.228	0.060	0.18	2	25	16	0.22	< 20	2	< 2	< 10	49	< 10	22	6	
759048	1.21	0.269	0.056	0.38	2	29	12	0.25	< 20	3	< 2	< 10	67	< 10	22	6	
759049	0.81	0.241	0.053	0.43	2	23	25	0.23	< 20	2	< 2	< 10	87	< 10	18	7	
759050	0.72	0.032	0.047	1.21	5	2	108	0.02	< 20	2	< 2	< 10	29	14	3	15	6.44

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759051	0.94	0.278	0.036	0.89	2	25	20	0.25	< 20	2	< 2	< 10	130	< 10	15	6	
759052	1.07	0.295	0.040	0.53	< 2	25	23	0.25	< 20	2	< 2	< 10	259	< 10	14	5	
759053	1.43	0.347	0.031	0.72	< 2	26	20	0.25	< 20	2	< 2	< 10	513	< 10	12	4	
759054	1.65	0.352	0.023	0.59	2	26	19	0.21	< 20	< 1	< 2	< 10	512	10	10	4	
759055	1.53	0.266	0.026	0.23	< 2	21	17	0.22	< 20	3	< 2	< 10	407	< 10	9	3	
759056	1.92	0.347	0.023	0.36	3	26	15	0.25	< 20	1	< 2	< 10	556	< 10	9	3	
759057	1.59	0.190	0.020	0.58	< 2	18	30	0.21	< 20	2	< 2	< 10	332	< 10	9	4	
759058	2.05	0.270	0.021	0.51	< 2	22	19	0.23	< 20	1	< 2	< 10	455	< 10	8	3	
759059	2.08	0.211	0.023	0.24	< 2	19	17	0.16	< 20	1	< 2	< 10	167	27	9	3	
759060	0.44	0.082	0.039	0.04	< 2	4	50	0.11	< 20	1	< 2	< 10	28	< 10	10	6	
759061	2.30	0.190	0.019	0.26	< 2	22	25	0.13	< 20	< 1	< 2	< 10	158	< 10	9	3	
759062	1.77	0.271	0.021	0.20	< 2	17	23	0.17	< 20	2	< 2	< 10	126	< 10	8	2	
759063	1.92	0.198	0.022	0.09	< 2	17	15	0.18	< 20	2	< 2	< 10	127	< 10	7	2	
759064	1.85	0.198	0.020	0.13	< 2	17	25	0.18	< 20	3	< 2	< 10	133	< 10	7	2	
759065	1.57	0.266	0.033	0.18	< 2	16	18	0.20	< 20	1	< 2	< 10	153	< 10	10	4	
759066	1.55	0.375	0.022	0.05	< 2	15	45	0.18	< 20	3	< 2	< 10	114	< 10	7	2	
759067	1.57	0.256	0.022	0.07	< 2	14	24	0.18	< 20	< 1	< 2	< 10	111	< 10	7	2	
759068	1.63	0.302	0.023	0.08	< 2	16	26	0.18	< 20	< 1	< 2	< 10	114	< 10	7	3	
759069	1.67	0.245	0.024	0.11	< 2	15	16	0.19	< 20	3	< 2	< 10	119	< 10	7	3	
759070	1.36	0.143	0.098	0.97	63	7	164	0.09	< 20	< 1	< 2	< 10	111	< 10	9	6	
759071	1.51	0.239	0.021	0.09	< 2	15	16	0.18	< 20	< 1	< 2	< 10	113	< 10	7	2	
759072	1.43	0.228	0.023	0.07	< 2	14	16	0.16	< 20	3	< 2	< 10	103	< 10	6	2	
759073	1.31	0.264	0.022	0.10	< 2	13	29	0.18	< 20	3	< 2	< 10	100	< 10	7	2	
759074	1.24	0.296	0.025	0.07	< 2	12	33	0.18	< 20	3	< 2	< 10	94	< 10	7	2	
759075	1.29	0.304	0.026	0.07	< 2	13	34	0.18	< 20	2	< 2	< 10	97	< 10	8	2	
759076	1.52	0.338	0.020	0.09	< 2	16	31	0.18	< 20	< 1	< 2	< 10	110	< 10	7	2	
759077	1.56	0.215	0.020	0.11	< 2	15	15	0.19	< 20	2	< 2	< 10	101	< 10	7	2	
759078	2.01	0.255	0.019	0.11	< 2	18	15	0.21	< 20	< 1	< 2	< 10	121	< 10	7	2	
759079	1.71	0.229	0.020	0.16	< 2	17	13	0.22	< 20	2	< 2	< 10	107	< 10	8	2	
759080	0.43	0.079	0.038	0.04	< 2	4	48	0.11	< 20	1	< 2	< 10	27	< 10	10	6	
759081	1.28	0.185	0.019	0.16	< 2	13	18	0.22	< 20	3	< 2	< 10	95	< 10	8	2	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	68	1020	2	23	101	126	6.82	228	< 10	854	0.9	3	0.16	13	80	5.37	20	< 1	1.12	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	69	1050	2	24	104	127	6.92	210	< 10	761	0.9	3	0.14	14	83	5.46	20	1	1.12	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2330	790	1	36	66	270	3.02	7		90	0.8	8	0.45	20	48	5.32	< 10		0.53	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	0.5	2190	763	1	34	60	261	2.83	8		84	0.8	7	0.43	20	47	4.95	< 10		0.49	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4590	898	1	34	91	352	3.03	7		72	0.7	26	0.45	23	46	6.15	< 10		0.45	38
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4550	888	2	33	88	354	2.98	6		71	0.7	24	0.45	23	45	6.06	< 10		0.45	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.5		> 10000				96	431						68		49						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.3		> 10000				95	422						56		49						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 621 (4 Acid) Meas		66.9	284	3730	537	13	26	> 5000	> 10000	1.76	81			0.6	5	1.74	33	33	3.38	< 10		0.39	20
OREAS 621 (4 Acid) Cert		69.0	284	3630	532	13.6	26.2	13600	52200	6.40	77.0			1.69	3.93	1.97	29.3	37.1	3.70	24.6		2.20	21.6
Oreas 621 (Aqua Regia) Meas		65.6	277	3620	538	13	24	> 5000	> 10000	1.79	77			0.6	10	1.41	32	29	3.33	10	4	0.39	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	2980																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3000																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3130																						
OREAS 238 (Fire Assay) Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay Cert																							
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	494																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	498																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	497																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
759009 Orig	< 5																						
759009 Dup	5																						
759013 Orig		< 0.2	< 0.5	3	330	1	26	< 2	30	2.29	< 2	< 10	33	< 0.5	< 2	0.55	13	57	3.02	< 10	< 1	0.16	< 10
759013 Dup		< 0.2	< 0.5	3	332	2	26	< 2	30	2.31	< 2	< 10	34	< 0.5	< 2	0.56	13	57	3.03	< 10	< 1	0.16	< 10
759019 Orig	23																						
759019 Dup	26																						
759023 Orig	< 5																						
759023 Dup	< 5																						
759027 Orig		< 0.2	< 0.5	9	802	< 1	2	3	43	1.41	< 2	< 10	14	< 0.5	< 2	3.77	12	4	7.51	10	1	0.03	< 10
759027 Dup		< 0.2	< 0.5	9	808	< 1	2	2	43	1.43	< 2	< 10	11	< 0.5	< 2	3.76	12	4	7.48	10	1	0.03	< 10
759041 Orig		< 0.2	< 0.5	13	756	< 1	1	< 2	71	1.86	< 2	< 10	94	< 0.5	< 2	2.41	18	4	7.69	10	2	0.22	< 10
759041 Dup		< 0.2	< 0.5	13	762	< 1	2	< 2	71	1.85	< 2	< 10	93	< 0.5	< 2	2.41	18	4	7.70	10	1	0.22	< 10
759044 Orig	< 5																						
759044 Dup	< 5																						
759051 Orig	53	0.2	< 0.5	72	633	< 1	2	< 2	34	2.01	< 2	< 10	< 10	< 0.5	< 2	3.17	44	3	6.95	< 10	2	0.03	< 10
759051 Split PREP DUP	62	0.2	< 0.5	73	648	< 1	3	< 2	35	2.06	< 2	< 10	11	< 0.5	2	3.23	45	3	7.03	< 10	< 1	0.03	< 10
759053 Orig		0.3	< 0.5	114	671	< 1	15	< 2	72	2.41	< 2	< 10	42	< 0.5	< 2	3.51	48	2	7.28	10	1	0.14	< 10
759053 Dup		0.3	< 0.5	112	659	< 1	13	< 2	71	2.40	< 2	< 10	42	< 0.5	< 2	3.46	47	2	7.18	10	3	0.14	< 10
759057 Orig	1840																						
759076 Orig		< 0.2	< 0.5	171	508	< 1	50	< 2	29	2.38	< 2	< 10	< 10	< 0.5	< 2	3.22	20	59	3.28	< 10	1	0.06	< 10
759076 Dup		< 0.2	< 0.5	169	516	< 1	50	< 2	29	2.38	< 2	< 10	< 10	< 0.5	< 2	3.25	21	59	3.28	< 10	< 1	0.06	< 10
759078 Orig	36																						
759078 Dup	34																						
759081 Orig	127	< 0.2	< 0.5	131	488	< 1	55	< 2	23	1.46	< 2	< 10	44	< 0.5	< 2	4.65	19	120	2.73	< 10	< 1	0.16	< 10
759081 Split PREP DUP	122	0.3	< 0.5	131	492	< 1	55	< 2	23	1.47	< 2	< 10	44	< 0.5	< 2	4.66	19	121	2.76	< 10	< 1	0.16	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank																							



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
GXR-6 Meas	0.38	0.155	0.035	0.01	4	20	35		< 20	< 1	< 2	< 10	176	< 10	5	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.38	0.137	0.035	0.01	4	21	32		< 20	< 1	< 2	< 10	180	< 10	6	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
OREAS 922 (AQUA REGIA) Meas	1.38	0.036	0.068	0.39	3	4	18		< 20		< 2	< 10	40	< 10	23	30	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.29	0.034	0.061	0.36	3	4	17		< 20		< 2	< 10	38	< 10	21	12	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.47		0.066	0.71	3	4	16		< 20		< 2	< 10	39	< 10	21	34	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.45		0.063	0.70	3	4	16		< 20		< 2	< 10	40	< 10	20	28	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas				4.20	7												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 96 (Aqua Regia) Meas				4.11	7												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
OREAS 621 (4 Acid) Meas	0.43	0.184	0.035	4.75	127	2	20	0.04	< 20		< 2	< 10	14	< 10	8	71	
OREAS 621 (4 Acid) Cert	0.507	1.31	0.0359	4.48	139	6.24	91.0	0.149	7.48		1.96	2.83	31.8	2.35	11.1	168	
Oreas 621 (Aqua Regia) Meas	0.43	0.183	0.034	4.39	125	2	18		< 20		< 2	< 10	14	< 10	8	72	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
OREAS 229b (Fire Assay) Meas																	12.1
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03
Method Blank																	< 0.03



Report No.: A21-04721
Report Date: 30-Mar-21
Date Submitted: 22-Mar-21
Your Reference: Kas Lake Gold (Pickle Lake)

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

7 Core samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Testing Date, and details. Rows include 1A2-Tbay, 1E3-Tbay with their respective methods and testing dates.

REPORT A21-04721

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A21-04721

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759192	8	< 0.2	< 0.5	70	618	< 1	19	< 2	30	1.66	< 2	< 10	< 10	< 0.5	2	2.58	21	11	4.34	< 10	< 1	0.04	< 10
759193	6	< 0.2	< 0.5	43	607	< 1	22	< 2	29	1.69	< 2	< 10	< 10	< 0.5	2	2.50	24	15	4.23	< 10	1	0.03	< 10
759194	10	< 0.2	< 0.5	65	471	< 1	19	< 2	24	1.29	< 2	< 10	< 10	< 0.5	< 2	2.49	24	12	3.83	< 10	< 1	0.02	< 10
759195	19	< 0.2	< 0.5	65	472	< 1	19	< 2	24	1.30	< 2	< 10	< 10	< 0.5	< 2	2.49	24	12	3.83	< 10	< 1	0.02	< 10
759196	7	< 0.2	< 0.5	66	637	< 1	21	< 2	40	1.97	< 2	< 10	13	< 0.5	< 2	2.86	31	8	5.72	< 10	1	0.04	< 10
759197	3960	19.5	1.1	344	548	5	199	224	129	3.63	9	< 10	90	< 0.5	2	2.82	19	190	3.55	< 10	< 1	0.21	11
759198	8	< 0.2	< 0.5	103	579	< 1	30	< 2	30	2.33	< 2	< 10	45	< 0.5	< 2	3.64	23	27	4.11	< 10	2	0.09	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759192	1.18	0.267	0.041	0.29	< 2	18	14	0.24	< 20	4	< 2	< 10	148	< 10	10	4
759193	1.23	0.286	0.036	0.31	< 2	17	11	0.24	< 20	3	< 2	< 10	139	< 10	10	3
759194	0.83	0.219	0.054	0.73	< 2	12	11	0.24	< 20	5	< 2	< 10	90	< 10	13	4
759195	0.83	0.219	0.055	0.73	2	12	11	0.24	< 20	3	< 2	< 10	90	< 10	13	4
759196	1.06	0.295	0.052	0.88	< 2	20	19	0.33	< 20	5	< 2	< 10	233	< 10	17	4
759197	1.80	0.445	0.034	0.11	9	5	110	0.10	< 20	< 1	< 2	< 10	76	< 10	9	4
759198	1.55	0.329	0.038	0.26	< 2	19	27	0.23	< 20	< 1	< 2	< 10	146	12	9	3

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	68	1020	2	23	101	126	6.82	228	< 10	854	0.9	3	0.16	13	80	5.37	20	< 1	1.12	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	69	1050	2	24	104	127	6.92	210	< 10	761	0.9	3	0.14	14	83	5.46	20	1	1.12	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2330	790	1	36	66	270	3.02	7		90	0.8	8	0.45	20	48	5.32	< 10		0.53	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	0.5	2190	763	1	34	60	261	2.83	8		84	0.8	7	0.43	20	47	4.95	< 10		0.49	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4590	898	1	34	91	352	3.03	7		72	0.7	26	0.45	23	46	6.15	< 10		0.45	38
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4550	888	2	33	88	354	2.98	6		71	0.7	24	0.45	23	45	6.06	< 10		0.45	37
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.5		> 10000				96	431						68		49						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.3		> 10000				95	422						56		49						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 621 (4 Acid) Meas		66.9	284	3730	537	13	26	> 5000	> 10000	1.76	81			0.6	5	1.74	33	33	3.38	< 10		0.39	20
OREAS 621 (4 Acid) Cert		69.0	284	3630	532	13.6	26.2	13600	52200	6.40	77.0			1.69	3.93	1.97	29.3	37.1	3.70	24.6		2.20	21.6
Oreas 621 (Aqua Regia) Meas		65.6	277	3620	538	13	24	> 5000	> 10000	1.79	77			0.6	10	1.41	32	29	3.33	10	4	0.39	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510																						
759192 Orig	7																						
759192 Dup	8																						
759198 Orig		< 0.2	< 0.5	104	578	< 1	29	< 2	30	2.33	< 2	< 10	44	< 0.5	< 2	3.63	23	27	4.10	< 10	2	0.09	< 10
759198 Dup		< 0.2	< 0.5	103	580	< 1	31	< 2	30	2.34	2	< 10	46	< 0.5	< 2	3.64	23	27	4.13	< 10	2	0.09	< 10
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.155	0.035	0.01	4	20	35		< 20	< 1	< 2	< 10	176	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.38	0.137	0.035	0.01	4	21	32		< 20	< 1	< 2	< 10	180	< 10	6	6
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.38	0.036	0.068	0.39	3	4	18		< 20		< 2	< 10	40	< 10	23	30
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.29	0.034	0.061	0.36	3	4	17		< 20		< 2	< 10	38	< 10	21	12
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.47		0.066	0.71	3	4	16		< 20		< 2	< 10	39	< 10	21	34
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.45		0.063	0.70	3	4	16		< 20		< 2	< 10	40	< 10	20	28
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				4.20	7											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				4.11	7											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
OREAS 621 (4 Acid) Meas	0.43	0.184	0.035	4.75	127	2	20	0.04	< 20		< 2	< 10	14	< 10	8	71
OREAS 621 (4 Acid) Cert	0.507	1.31	0.0359	4.48	139	6.24	91.0	0.149	7.48		1.96	2.83	31.8	2.35	11.1	168
Oreas 621 (Aqua Regia) Meas	0.43	0.183	0.034	4.39	125	2	18		< 20		< 2	< 10	14	< 10	8	72
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
759192 Orig																
759192 Dup																
759198 Orig	1.55	0.327	0.037	0.26	< 2	19	27	0.23	< 20	3	< 2	< 10	146	12	9	3
759198 Dup	1.55	0.331	0.038	0.27	< 2	19	27	0.23	< 20	< 1	< 2	< 10	146	12	9	3
Method Blank																
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-04723-1E3
Report Date: 26-Apr-21
Date Submitted: 22-Mar-21
Your Reference: Kas Lake Gold (Pickle Lake)

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

110 Core samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1E3-Tbay | QOP AquaGeo (Aqua Regia ICPOES) | 2021-04-13 17:16:19

REPORT A21-04723-1E3

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Values which exceed the upper limit should be assayed for accurate numbers.

Footnote: Sample 759090 has insufficient material for a full sample. Sample 759110, 759190 and 759150 are INS, and have been removed from the 1E3 client job.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

## Results

## Activation Laboratories Ltd.

## Report: A21-04723

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2		0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759082	< 0.2	< 0.5	172	447	< 1	61	4	34	3.28	< 2	< 10	21	< 0.5	< 2	3.08	29	51	4.72	< 10	2	0.09	< 10	1.74
759083	0.7	< 0.5	144	441	2	52	6	82	3.69	< 2	< 10	17	< 0.5	3	1.38	37	74	9.54	10	< 1	0.05	< 10	2.42
759084	< 0.2	< 0.5	101	501	< 1	74	5	82	4.03	< 2	< 10	19	< 0.5	3	1.61	26	133	7.32	< 10	2	0.09	< 10	3.05
759085	< 0.2	< 0.5	90	628	< 1	70	< 2	43	3.07	< 2	< 10	18	< 0.5	< 2	3.67	24	99	4.27	< 10	< 1	0.09	< 10	1.73
759086	< 0.2	< 0.5	122	724	< 1	78	< 2	46	3.86	2	< 10	16	< 0.5	2	4.28	27	110	5.01	< 10	3	0.08	< 10	1.82
759087	< 0.2	0.5	135	734	< 1	72	20	163	2.96	< 2	< 10	12	< 0.5	< 2	3.52	26	110	4.41	< 10	< 1	0.06	< 10	1.82
759088	< 0.2	< 0.5	112	677	< 1	68	< 2	40	2.87	< 2	< 10	12	< 0.5	< 2	4.32	25	109	4.31	< 10	< 1	0.06	< 10	1.71
759089	< 0.2	< 0.5	156	725	< 1	70	< 2	56	2.85	< 2	< 10	14	< 0.5	3	3.35	25	104	4.35	< 10	1	0.05	< 10	1.82
759090	20.2	0.9	349	574	6	204	236	130	3.75	10	< 10	90	< 0.5	< 2	2.93	22	196	3.62	< 10	4	0.20	12	1.93
759091	< 0.2	< 0.5	50	720	< 1	43	< 2	51	2.63	< 2	< 10	296	< 0.5	< 2	2.15	15	81	3.08	< 10	< 1	0.62	23	2.03
759092	< 0.2	< 0.5	15	491	< 1	34	< 2	74	1.87	< 2	< 10	168	< 0.5	< 2	1.71	15	67	2.92	< 10	< 1	0.42	19	1.53
759093	< 0.2	< 0.5	68	938	< 1	47	8	110	2.71	< 2	< 10	324	< 0.5	< 2	1.91	15	90	3.42	< 10	< 1	0.80	23	1.84
759094	< 0.2	< 0.5	211	983	< 1	40	3	121	2.39	< 2	< 10	330	< 0.5	< 2	1.50	13	79	3.96	< 10	1	0.67	19	1.85
759095	< 0.2	< 0.5	260	968	< 1	42	2	119	2.38	< 2	< 10	333	< 0.5	< 2	1.44	13	77	3.94	< 10	< 1	0.74	19	1.85
759096	< 0.2	< 0.5	48	838	< 1	34	3	87	1.78	< 2	< 10	243	< 0.5	< 2	1.77	13	51	3.48	< 10	< 1	0.49	16	1.43
759097	< 0.2	< 0.5	38	693	< 1	33	4	62	1.52	< 2	< 10	196	< 0.5	< 2	1.74	12	62	2.28	< 10	< 1	0.32	21	1.25
759098	< 0.2	< 0.5	50	644	< 1	40	20	67	1.46	< 2	< 10	71	< 0.5	< 2	1.72	16	79	3.00	< 10	< 1	0.14	20	1.41
759099	< 0.2	< 0.5	47	414	< 1	23	6	36	1.29	< 2	< 10	105	< 0.5	< 2	0.69	14	38	3.45	< 10	< 1	0.30	11	1.11
759100	< 0.2	< 0.5	20	636	4	11	< 2	34	1.19	< 2	< 10	59	< 0.5	< 2	1.16	6	26	2.38	< 10	< 1	0.12	< 10	0.45
759101	< 0.2	< 0.5	79	360	< 1	12	2	25	1.39	< 2	< 10	75	< 0.5	< 2	1.39	13	15	2.86	< 10	< 1	0.30	< 10	0.97
759102	< 0.2	< 0.5	35	586	< 1	24	< 2	35	2.20	< 2	< 10	166	< 0.5	< 2	1.40	16	96	3.17	< 10	1	0.34	11	1.93
759103	< 0.2	< 0.5	66	436	< 1	33	5	42	2.50	< 2	< 10	78	< 0.5	< 2	1.37	16	44	3.09	< 10	< 1	0.24	< 10	1.36
759104	< 0.2	< 0.5	120	502	< 1	77	7	36	4.68	< 2	< 10	15	< 0.5	< 2	2.60	27	122	5.10	10	2	0.05	< 10	2.50
759105	< 0.2	< 0.5	4	488	< 1	21	4	28	2.24	< 2	19	16	< 0.5	< 2	0.26	13	38	3.63	< 10	2	0.05	< 10	1.82
759106	< 0.2	< 0.5	7	502	< 1	22	3	24	2.45	< 2	< 10	21	< 0.5	< 2	0.28	14	41	3.52	< 10	1	0.07	< 10	2.13
759107	< 0.2	< 0.5	31	476	< 1	13	< 2	23	2.16	< 2	33	62	< 0.5	< 2	0.52	13	19	3.21	< 10	< 1	0.20	< 10	1.69
759108	< 0.2	< 0.5	5	478	< 1	10	< 2	21	2.33	< 2	18	80	< 0.5	< 2	0.42	12	15	3.03	< 10	< 1	0.22	< 10	1.97
759109	< 0.2	< 0.5	52	550	< 1	37	< 2	32	3.45	< 2	< 10	47	< 0.5	< 2	1.96	18	49	4.16	< 10	2	0.16	< 10	2.19
759111	< 0.2	< 0.5	103	467	< 1	72	4	35	3.78	< 2	< 10	14	< 0.5	< 2	3.44	23	92	3.74	< 10	2	0.06	< 10	1.71
759112	< 0.2	< 0.5	3	171	< 1	18	< 2	21	1.82	< 2	< 10	215	< 0.5	< 2	0.53	13	57	2.23	< 10	< 1	0.74	< 10	1.94
759113	< 0.2	< 0.5	22	195	< 1	26	< 2	32	0.91	< 2	12	131	< 0.5	< 2	1.20	12	54	1.70	< 10	< 1	0.18	< 10	0.97
759114	< 0.2	< 0.5	60	547	< 1	95	< 2	28	2.75	< 2	25	86	< 0.5	< 2	3.40	26	148	3.64	< 10	< 1	0.08	< 10	2.20
759115	< 0.2	< 0.5	65	678	3	58	4	34	2.18	< 2	13	311	< 0.5	< 2	3.07	26	94	4.57	< 10	< 1	0.08	209	1.94
759116	< 0.2	< 0.5	87	548	< 1	19	< 2	35	1.74	< 2	11	21	< 0.5	2	2.80	24	8	4.75	< 10	2	0.05	< 10	1.24
759117	< 0.2	< 0.5	103	644	< 1	19	< 2	39	1.74	< 2	10	< 10	< 0.5	< 2	2.86	30	4	5.44	< 10	< 1	0.05	< 10	1.30
759118	< 0.2	< 0.5	130	670	< 1	19	< 2	39	1.75	< 2	11	12	< 0.5	< 2	2.88	32	2	6.24	< 10	1	0.07	< 10	1.27
759119	< 0.2	< 0.5	82	644	< 1	6	< 2	50	1.72	< 2	< 10	202	< 0.5	< 2	2.74	28	1	6.35	< 10	2	0.24	< 10	1.08
759120	< 0.2	< 0.5	19	639	4	11	2	35	1.19	< 2	13	59	< 0.5	< 2	1.16	5	26	2.36	< 10	< 1	0.11	< 10	0.45
759121	< 0.2	< 0.5	16	873	< 1	< 1	3	27	1.03	2	11	25	< 0.5	< 2	4.28	13	3	5.38	< 10	2	0.05	< 10	0.47
759122	< 0.2	< 0.5	3	780	< 1	2	< 2	36	1.38	< 2	11	19	< 0.5	< 2	2.51	13	3	6.88	10	1	0.05	13	0.61
759123	< 0.2	< 0.5	9	734	< 1	2	3	55	1.05	< 2	11	25	< 0.5	< 2	2.84	17	3	7.90	10	1	0.05	< 10	0.45
759124	< 0.2	< 0.5	1	669	1	1	4	53	1.11	< 2	10	56	< 0.5	< 2	2.13	15	3	7.68	10	1	0.05	11	0.53
759125	< 0.2	< 0.5	2	674	1	2	4	52	1.16	< 2	21	56	< 0.5	< 2	2.14	16	3	7.81	10	1	0.05	11	0.55
759126	< 0.2	< 0.5	7	702	< 1	1	3	51	1.26	< 2	< 10	< 10	< 0.5	< 2	3.03	14	3	6.84	10	< 1	0.02	< 10	0.57
759127	< 0.2	< 0.5	10	1010	2	1	4	77	1.56	< 2	10	< 10	< 0.5	< 2	3.20	15	3	8.15	10	2	0.02	11	0.54
759128	< 0.2	< 0.5	8	932	< 1	2	2	77	1.63	< 2	11	< 10	< 0.5	2	2.54	19	3	8.86	20	1	0.02	12	0.55
759129	< 0.2	< 0.5	13	854	< 1	1	2	93	1.65	< 2	11	11	< 0.5	< 2	2.73	16	3	7.68	10	2	0.03	11	0.55
759130	92.9	9.5	969	935	12	11	4650	1040	1.95	29	21	48	< 0.5	< 2	3.50	18	21	3.75	< 10	2	0.16	< 10	1.46
759131	< 0.2	< 0.5	3	888	< 1	2	3	68	1.62	2	12	14	0.6	2	2.74	11	3	7.79	20	2	0.03	13	0.49
759132	< 0.2	< 0.5	7	1110	< 1	< 1	< 2	81	1.64	< 2	11	12	< 0.5	2	2.95	13	4	8.76	10	2	0.03	< 10	0.60
759133	< 0.2	< 0.5	4	1030	< 1	1	< 2	81	1.80	3	11	11	0.6	3	3.24	14	3	8.94	20	2	0.03	12	0.54

## Results

## Activation Laboratories Ltd.

## Report: A21-04723

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759134	< 0.2	< 0.5	11	976	< 1	2	4	84	1.31	< 2	23	< 10	< 0.5	2	2.12	14	5	8.01	10	< 1	0.01	12	0.38
759135	0.5	< 0.5	28	892	1	2	4	87	2.06	2	15	18	< 0.5	2	3.77	19	3	9.09	10	< 1	0.02	12	0.73
759136	< 0.2	< 0.5	5	884	< 1	2	3	64	1.37	< 2	11	< 10	< 0.5	< 2	2.51	16	3	6.89	10	< 1	< 0.01	10	0.40
759137	< 0.2	< 0.5	5	755	< 1	1	4	70	1.61	2	11	< 10	< 0.5	< 2	2.36	17	4	7.01	10	2	0.02	< 10	0.58
759138	0.4	< 0.5	15	638	< 1	1	3	61	1.32	< 2	12	< 10	< 0.5	4	2.08	21	3	6.68	10	1	0.01	< 10	0.49
759139	0.7	< 0.5	34	657	1	1	3	55	1.08	< 2	< 10	< 10	< 0.5	< 2	3.20	20	4	6.16	< 10	< 1	0.01	< 10	0.53
759140	< 0.2	< 0.5	20	636	4	11	3	35	1.18	< 2	14	58	< 0.5	< 2	1.15	6	26	2.33	< 10	< 1	0.09	< 10	0.45
759141	0.2	< 0.5	13	712	< 1	2	2	65	1.31	< 2	11	< 10	< 0.5	< 2	2.52	18	3	7.18	10	2	< 0.01	< 10	0.47
759142	< 0.2	< 0.5	9	868	< 1	2	3	68	1.86	< 2	11	< 10	< 0.5	< 2	3.09	20	3	7.28	10	2	0.01	< 10	0.68
759143	< 0.2	< 0.5	16	774	< 1	< 1	3	52	1.91	< 2	11	< 10	< 0.5	3	3.07	24	3	6.69	10	1	0.02	< 10	0.85
759144	< 0.2	< 0.5	21	729	< 1	1	< 2	52	1.78	< 2	12	< 10	< 0.5	< 2	2.91	33	3	6.15	< 10	2	0.02	< 10	0.82
759145	0.2	< 0.5	24	714	< 1	1	< 2	50	1.78	< 2	12	< 10	< 0.5	3	3.00	35	3	6.28	< 10	2	0.02	< 10	0.81
759146	< 0.2	< 0.5	22	697	< 1	2	2	39	1.53	< 2	16	< 10	< 0.5	< 2	2.97	32	3	5.70	< 10	2	0.02	< 10	0.74
759147	< 0.2	< 0.5	31	623	< 1	2	2	28	1.54	< 2	11	< 10	< 0.5	4	2.83	37	2	5.97	< 10	2	0.02	< 10	0.78
759148	0.2	< 0.5	43	615	< 1	2	< 2	28	1.39	< 2	13	< 10	< 0.5	< 2	3.24	39	2	5.70	< 10	1	0.03	< 10	0.90
759149	0.3	< 0.5	42	629	< 1	7	< 2	43	1.59	< 2	12	25	< 0.5	< 2	3.16	44	2	6.10	< 10	1	0.21	< 10	1.11
759151	< 0.2	< 0.5	153	560	< 1	13	< 2	37	1.62	< 2	12	45	< 0.5	< 2	3.09	36	4	5.24	< 10	1	0.18	< 10	1.25
759152	0.2	< 0.5	204	624	< 1	21	< 2	37	1.79	< 2	13	68	< 0.5	< 2	3.19	38	3	5.79	< 10	2	0.20	< 10	1.42
759153	< 0.2	< 0.5	199	556	< 1	27	< 2	28	1.76	< 2	12	20	< 0.5	< 2	3.01	32	4	5.19	< 10	1	0.09	< 10	1.39
759154	0.2	< 0.5	268	674	< 1	46	< 2	44	2.06	< 2	13	34	< 0.5	< 2	2.86	40	4	6.46	< 10	2	0.13	< 10	1.67
759155	< 0.2	< 0.5	201	668	< 1	53	< 2	43	1.86	< 2	12	47	< 0.5	< 2	3.89	34	8	5.69	< 10	2	0.11	< 10	1.61
759156	< 0.2	< 0.5	346	601	2	54	4	34	1.70	< 2	16	29	< 0.5	< 2	2.17	45	10	6.02	< 10	2	0.07	< 10	1.43
759157	< 0.2	< 0.5	285	692	< 1	64	3	42	1.83	< 2	11	18	< 0.5	< 2	3.00	38	7	5.58	< 10	2	0.06	< 10	1.65
759158	< 0.2	< 0.5	136	666	< 1	32	< 2	34	2.27	< 2	14	23	< 0.5	< 2	3.02	23	18	4.06	< 10	1	0.10	< 10	1.68
759159	< 0.2	< 0.5	80	533	< 1	23	< 2	29	1.90	< 2	13	16	< 0.5	< 2	2.59	18	19	3.00	< 10	< 1	0.07	< 10	1.30
759160	< 0.2	< 0.5	19	638	4	11	2	35	1.19	3	29	59	< 0.5	< 2	1.16	6	26	2.33	< 10	< 1	0.11	< 10	0.45
759161	< 0.2	< 0.5	136	556	< 1	27	< 2	28	2.03	< 2	14	12	< 0.5	< 2	2.75	20	23	3.24	< 10	< 1	0.06	< 10	1.53
759162	< 0.2	< 0.5	164	488	< 1	35	< 2	38	2.56	< 2	17	38	< 0.5	< 2	3.47	23	25	3.54	< 10	1	0.18	< 10	1.53
759163	< 0.2	< 0.5	84	551	< 1	39	< 2	27	2.34	< 2	16	30	< 0.5	< 2	3.05	20	39	3.44	< 10	1	0.12	< 10	1.99
759164	< 0.2	< 0.5	124	489	< 1	41	< 2	31	1.75	< 2	14	16	< 0.5	< 2	2.86	22	55	2.92	< 10	< 1	0.08	< 10	1.36
759165	< 0.2	< 0.5	100	505	< 1	37	< 2	28	1.80	< 2	14	30	< 0.5	< 2	3.37	19	59	2.87	< 10	< 1	0.12	< 10	1.51
759166	< 0.2	< 0.5	111	510	< 1	39	< 2	28	1.80	< 2	15	12	< 0.5	< 2	3.05	19	70	2.85	< 10	< 1	0.07	< 10	1.58
759167	< 0.2	0.7	148	514	< 1	123	< 2	94	3.67	< 2	14	13	< 0.5	< 2	4.22	33	204	3.77	< 10	2	0.04	< 10	1.94
759168	< 0.2	< 0.5	143	454	< 1	106	< 2	46	2.24	< 2	12	< 10	< 0.5	< 2	3.39	27	228	3.16	< 10	2	0.04	< 10	1.77
759169	< 0.2	< 0.5	426	526	< 1	197	< 2	45	2.45	< 2	19	< 10	< 0.5	< 2	3.76	51	195	4.39	< 10	< 1	0.05	< 10	2.18
759170																							
759171	0.2	< 0.5	178	330	< 1	92	< 2	24	3.05	< 2	27	< 10	< 0.5	3	3.19	22	137	2.42	< 10	< 1	0.03	< 10	1.12
759172	< 0.2	< 0.5	189	514	< 1	133	< 2	35	2.59	< 2	12	31	< 0.5	< 2	3.39	31	280	3.76	< 10	2	0.08	< 10	2.14
759173	< 0.2	< 0.5	127	542	< 1	63	< 2	35	2.45	< 2	10	< 10	< 0.5	< 2	3.61	22	199	3.49	< 10	2	0.04	< 10	1.62
759174	< 0.2	< 0.5	233	511	< 1	119	< 2	35	3.25	< 2	12	13	< 0.5	< 2	3.91	28	156	3.67	< 10	2	0.05	< 10	2.18
759175	< 0.2	< 0.5	231	522	< 1	119	< 2	35	3.26	< 2	12	12	< 0.5	< 2	3.94	29	157	3.70	< 10	1	0.05	< 10	2.19
759176	< 0.2	< 0.5	182	544	< 1	76	< 2	44	2.65	< 2	< 10	< 10	< 0.5	< 2	3.26	27	107	4.46	< 10	< 1	0.06	< 10	1.73
759177	< 0.2	< 0.5	40	191	< 1	49	< 2	22	1.08	< 2	< 10	34	< 0.5	< 2	1.18	14	125	1.92	< 10	< 1	0.27	19	1.18
759178	< 0.2	< 0.5	22	179	< 1	61	4	29	1.70	< 2	< 10	225	< 0.5	< 2	0.93	16	106	2.32	< 10	< 1	0.79	26	1.79
759179	< 0.2	< 0.5	85	149	< 1	44	4	30	1.71	< 2	10	180	< 0.5	< 2	0.85	22	102	2.85	< 10	< 1	0.66	29	1.72
759180	< 0.2	< 0.5	20	643	4	11	3	35	1.21	3	13	59	< 0.5	< 2	1.16	5	26	2.37	< 10	< 1	0.11	< 10	0.45
759181	< 0.2	< 0.5	29	114	< 1	42	3	23	1.63	< 2	25	168	< 0.5	< 2	0.72	16	128	2.52	< 10	< 1	0.66	22	1.15
759182	< 0.2	< 0.5	39	450	< 1	71	< 2	73	3.10	< 2	13	285	< 0.5	< 2	2.24	20	145	3.99	< 10	< 1	1.03	23	1.65
759183	< 0.2	< 0.5	51	518	< 1	86	< 2	146	2.04	< 2	11	275	< 0.5	< 2	2.04	21	161	3.67	< 10	1	0.87	20	1.63
759184	< 0.2	< 0.5	50	623	< 1	91	< 2	61	2.05	< 2	11	245	< 0.5	< 2	2.78	21	169	4.18	< 10	< 1	0.83	19	1.68
759185	< 0.2	< 0.5	58	698	< 1	91	< 2	67	2.01	< 2	11	284	< 0.5	< 2	2.75	22	175	3.66	< 10	1	0.98	19	1.77

Results

Activation Laboratories Ltd.

Report: A21-04723

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759186	< 0.2	< 0.5	42	632	< 1	90	< 2	59	2.13	< 2	11	236	< 0.5	< 2	3.45	20	174	3.92	< 10	2	1.04	20	1.89
759187	< 0.2	< 0.5	39	519	< 1	44	< 2	51	1.81	< 2	12	133	< 0.5	< 2	1.70	17	94	2.89	< 10	< 1	0.61	< 10	0.94
759188	< 0.2	< 0.5	38	509	< 1	46	< 2	55	1.93	< 2	11	146	< 0.5	< 2	1.02	21	74	3.22	< 10	< 1	0.67	< 10	0.63
759189	< 0.2	< 0.5	64	799	< 1	66	< 2	71	2.18	< 2	11	218	< 0.5	< 2	0.79	23	81	5.26	< 10	< 1	0.80	< 10	0.61
759191	< 0.2	< 0.5	47	671	< 1	61	2	67	1.92	< 2	24	197	< 0.5	< 2	0.67	23	82	4.59	< 10	2	0.79	< 10	0.61

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759082	0.331	0.031	0.07	< 2	16	50	0.19	< 20	< 1	< 2	< 10	130	< 10	9	2
759083	0.085	0.050	0.47	3	14	21	0.14	< 20	1	< 2	< 10	144	< 10	10	4
759084	0.164	0.035	0.10	2	14	16	0.15	< 20	< 1	< 2	< 10	141	< 10	10	2
759085	0.282	0.028	0.06	< 2	15	38	0.21	< 20	2	< 2	< 10	122	< 10	9	2
759086	0.305	0.029	0.10	< 2	15	73	0.21	< 20	1	< 2	< 10	133	< 10	9	2
759087	0.306	0.031	0.08	< 2	16	30	0.22	< 20	< 1	< 2	< 10	128	< 10	11	2
759088	0.277	0.032	0.07	2	16	31	0.23	< 20	< 1	< 2	< 10	129	< 10	11	2
759089	0.302	0.031	0.10	< 2	15	26	0.22	< 20	< 1	< 2	< 10	122	< 10	10	2
759090	0.410	0.035	0.11	11	5	111	0.11	< 20	< 1	< 2	< 10	74	< 10	9	4
759091	0.147	0.056	0.02	< 2	6	53	0.13	< 20	< 1	< 2	< 10	62	< 10	6	10
759092	0.057	0.051	0.05	< 2	6	22	0.09	< 20	3	< 2	< 10	55	< 10	5	9
759093	0.165	0.062	0.06	< 2	6	57	0.20	< 20	3	< 2	< 10	67	< 10	6	17
759094	0.126	0.056	0.09	< 2	7	30	0.15	< 20	< 1	< 2	< 10	66	< 10	6	15
759095	0.133	0.055	0.09	2	7	30	0.16	< 20	< 1	< 2	< 10	65	< 10	6	15
759096	0.090	0.051	0.18	< 2	6	33	0.09	< 20	1	< 2	< 10	51	< 10	5	10
759097	0.080	0.054	0.11	< 2	5	38	0.11	< 20	1	< 2	< 10	45	< 10	5	11
759098	0.094	0.059	0.25	< 2	6	33	0.06	< 20	< 1	< 2	< 10	57	< 10	6	9
759099	0.111	0.046	0.37	< 2	5	19	0.10	< 20	< 1	< 2	< 10	60	< 10	4	16
759100	0.077	0.039	0.04	< 2	4	49	0.11	< 20	< 1	< 2	< 10	27	< 10	11	5
759101	0.073	0.045	0.28	< 2	4	16	0.06	< 20	1	< 2	< 10	47	< 10	3	10
759102	0.189	0.064	0.02	< 2	7	40	0.14	< 20	< 1	< 2	< 10	54	< 10	5	12
759103	0.213	0.034	0.14	< 2	8	49	0.13	< 20	2	< 2	< 10	70	< 10	5	8
759104	0.328	0.035	0.14	< 2	14	81	0.15	< 20	< 1	< 2	< 10	134	< 10	7	3
759105	0.045	0.041	< 0.01	< 2	5	6	0.05	< 20	1	< 2	< 10	40	< 10	3	7
759106	0.022	0.042	0.01	< 2	5	4	0.06	< 20	< 1	< 2	< 10	42	< 10	3	9
759107	0.047	0.031	0.06	< 2	4	9	0.06	< 20	< 1	< 2	< 10	29	< 10	3	8
759108	0.047	0.041	< 0.01	< 2	4	8	0.05	< 20	< 1	< 2	< 10	33	< 10	4	5
759109	0.134	0.034	0.05	< 2	9	50	0.12	< 20	< 1	< 2	< 10	74	< 10	5	6
759111	0.253	0.033	0.13	< 2	12	141	0.17	< 20	< 1	< 2	< 10	108	< 10	7	2
759112	0.095	0.041	0.01	< 2	7	7	0.10	< 20	< 1	< 2	< 10	42	< 10	3	11
759113	0.134	0.050	0.04	< 2	6	19	0.07	< 20	1	< 2	< 10	36	< 10	5	7
759114	0.307	0.015	0.07	< 2	14	45	0.14	< 20	2	< 2	< 10	106	< 10	6	2
759115	0.280	0.044	0.23	< 2	18	118	0.21	< 20	1	< 2	< 10	156	< 10	13	4
759116	0.184	0.039	0.22	< 2	16	16	0.27	< 20	2	< 2	< 10	163	< 10	16	4
759117	0.251	0.046	0.30	< 2	21	14	0.23	< 20	< 1	< 2	< 10	242	< 10	15	5
759118	0.278	0.036	0.14	< 2	23	10	0.31	< 20	1	< 2	< 10	408	< 10	13	6
759119	0.232	0.056	0.07	< 2	22	11	0.22	< 20	2	< 2	< 10	306	< 10	17	6
759120	0.074	0.039	0.04	< 2	4	49	0.11	< 20	< 1	< 2	< 10	27	< 10	11	5
759121	0.148	0.096	0.07	< 2	15	31	0.16	< 20	2	< 2	< 10	12	< 10	31	10
759122	0.188	0.146	0.02	< 2	15	13	0.14	< 20	< 1	< 2	< 10	2	< 10	49	7
759123	0.138	0.112	0.04	< 2	15	21	0.16	< 20	1	< 2	< 10	31	< 10	39	9
759124	0.137	0.116	0.02	3	16	10	0.14	< 20	1	< 2	< 10	2	< 10	38	8
759125	0.150	0.115	0.02	< 2	16	10	0.14	< 20	< 1	< 2	< 10	3	< 10	37	8
759126	0.169	0.125	0.06	2	15	16	0.13	< 20	< 1	< 2	< 10	2	< 10	43	8
759127	0.170	0.122	0.11	2	16	20	0.15	< 20	< 1	< 2	< 10	2	< 10	42	9
759128	0.138	0.119	0.08	3	16	21	0.17	< 20	< 1	< 2	< 10	2	< 10	44	10
759129	0.201	0.112	0.11	< 2	18	16	0.17	< 20	< 1	< 2	< 10	2	< 10	45	10
759130	0.123	0.102	0.98	55	7	161	0.09	< 20	2	< 2	< 10	105	< 10	9	5
759131	0.118	0.122	0.06	3	17	32	0.11	< 20	1	< 2	< 10	2	< 10	46	7
759132	0.139	0.134	0.04	2	19	30	0.11	< 20	< 1	< 2	< 10	2	< 10	40	7
759133	0.152	0.139	0.05	< 2	16	30	0.12	< 20	< 1	< 2	< 10	2	< 10	43	7

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759134	0.130	0.134	0.14	3	15	12	0.13	< 20	< 1	< 2	< 10	3	< 10	46	7
759135	0.166	0.124	1.34	3	18	20	0.17	< 20	< 1	< 2	< 10	18	11	40	12
759136	0.148	0.111	0.10	2	15	14	0.15	< 20	< 1	< 2	< 10	2	< 10	33	9
759137	0.204	0.115	0.15	< 2	20	8	0.17	< 20	< 1	< 2	< 10	5	< 10	36	9
759138	0.161	0.112	0.84	< 2	18	8	0.20	< 20	2	< 2	< 10	4	< 10	32	13
759139	0.112	0.092	1.69	< 2	14	24	0.12	< 20	2	< 2	< 10	33	< 10	25	12
759140	0.071	0.038	0.04	< 2	4	48	0.11	< 20	3	< 2	< 10	26	< 10	11	6
759141	0.157	0.105	0.34	2	18	12	0.15	< 20	1	< 2	< 10	10	< 10	33	10
759142	0.216	0.098	0.24	3	20	15	0.15	< 20	< 1	< 2	< 10	11	< 10	34	8
759143	0.189	0.079	0.49	< 2	24	16	0.20	< 20	3	< 2	< 10	32	< 10	27	7
759144	0.225	0.047	0.78	< 2	24	17	0.23	< 20	3	< 2	< 10	58	< 10	18	5
759145	0.233	0.048	0.87	3	24	18	0.25	< 20	5	< 2	< 10	60	< 10	18	6
759146	0.195	0.056	0.68	< 2	23	18	0.22	< 20	3	< 2	< 10	64	< 10	19	6
759147	0.193	0.052	0.75	< 2	25	17	0.24	< 20	< 1	< 2	< 10	70	< 10	18	6
759148	0.221	0.045	0.82	< 2	21	13	0.27	< 20	2	< 2	< 10	92	< 10	13	5
759149	0.194	0.032	1.00	< 2	19	15	0.25	< 20	2	< 2	< 10	261	22	10	4
759151	0.213	0.028	0.30	< 2	18	14	0.23	< 20	< 1	< 2	< 10	380	< 10	8	3
759152	0.260	0.023	0.45	< 2	21	13	0.26	< 20	3	< 2	< 10	386	< 10	9	3
759153	0.231	0.028	0.20	< 2	20	11	0.26	< 20	< 1	3	< 10	378	< 10	9	3
759154	0.279	0.023	0.51	< 2	24	10	0.28	< 20	< 1	< 2	< 10	465	< 10	8	3
759155	0.240	0.020	0.34	< 2	21	13	0.29	< 20	1	< 2	< 10	449	< 10	8	3
759156	0.179	0.016	1.02	< 2	18	11	0.28	< 20	1	< 2	< 10	335	< 10	8	4
759157	0.239	0.022	0.48	< 2	22	10	0.25	< 20	< 1	< 2	< 10	433	< 10	8	3
759158	0.301	0.021	0.09	< 2	19	24	0.23	< 20	3	< 2	< 10	127	< 10	10	3
759159	0.214	0.024	0.03	< 2	15	22	0.22	< 20	1	< 2	< 10	98	< 10	8	2
759160	0.077	0.039	0.04	< 2	4	49	0.11	< 20	2	< 2	< 10	27	< 10	11	6
759161	0.209	0.021	0.06	< 2	15	22	0.20	< 20	2	< 2	< 10	98	< 10	8	2
759162	0.215	0.021	0.18	< 2	14	29	0.25	< 20	1	< 2	< 10	109	< 10	9	3
759163	0.205	0.026	0.06	< 2	16	17	0.22	< 20	< 1	< 2	< 10	105	< 10	8	3
759164	0.195	0.022	0.11	< 2	15	20	0.24	< 20	3	< 2	< 10	100	< 10	8	2
759165	0.213	0.023	0.06	< 2	16	21	0.22	< 20	1	< 2	< 10	99	< 10	8	2
759166	0.206	0.022	0.05	< 2	16	19	0.22	< 20	2	< 2	< 10	97	< 10	8	2
759167	0.424	0.022	0.25	< 2	13	65	0.16	< 20	< 1	< 2	< 10	90	< 10	6	2
759168	0.200	0.018	0.16	< 2	12	20	0.16	< 20	3	< 2	< 10	79	< 10	6	2
759169	0.280	0.041	0.64	< 2	12	23	0.15	< 20	< 1	< 2	< 10	78	< 10	7	3
759170															
759171	0.410	0.034	0.18	< 2	10	71	0.19	< 20	3	< 2	< 10	75	< 10	6	2
759172	0.233	0.017	0.20	< 2	13	20	0.17	< 20	< 1	< 2	< 10	90	< 10	6	2
759173	0.278	0.022	0.10	< 2	14	37	0.18	< 20	2	< 2	< 10	101	< 10	7	2
759174	0.241	0.018	0.10	< 2	10	42	0.14	< 20	1	< 2	< 10	87	< 10	5	1
759175	0.239	0.018	0.10	< 2	11	42	0.15	< 20	2	< 2	< 10	87	< 10	5	1
759176	0.293	0.039	0.17	< 2	17	42	0.18	< 20	< 1	< 2	< 10	140	< 10	10	3
759177	0.120	0.073	0.02	< 2	6	19	0.13	< 20	1	< 2	< 10	66	< 10	7	9
759178	0.142	0.075	0.02	< 2	6	25	0.16	< 20	1	< 2	< 10	91	< 10	6	12
759179	0.129	0.066	0.06	< 2	7	19	0.14	< 20	2	< 2	< 10	85	< 10	7	11
759180	0.076	0.039	0.04	< 2	4	50	0.11	< 20	1	< 2	< 10	27	< 10	11	5
759181	0.168	0.071	0.01	< 2	7	20	0.15	< 20	2	< 2	< 10	82	< 10	7	7
759182	0.226	0.073	0.01	< 2	9	84	0.20	< 20	2	< 2	< 10	82	< 10	7	19
759183	0.142	0.075	0.02	< 2	9	38	0.19	< 20	< 1	< 2	< 10	82	< 10	7	12
759184	0.122	0.073	0.02	< 2	11	44	0.17	< 20	< 1	< 2	< 10	92	< 10	8	17
759185	0.125	0.074	0.02	< 2	9	45	0.19	< 20	< 1	< 2	< 10	90	< 10	7	12



Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759186	0.109	0.072	< 0.01	< 2	10	46	0.18	< 20	< 1	< 2	< 10	90	< 10	7	9
759187	0.150	0.043	0.12	< 2	8	40	0.14	< 20	< 1	< 2	< 10	69	< 10	5	15
759188	0.150	0.042	0.17	< 2	9	38	0.16	< 20	3	< 2	< 10	74	< 10	5	17
759189	0.135	0.043	0.21	< 2	12	22	0.17	< 20	< 1	< 2	< 10	92	< 10	6	16
759191	0.103	0.043	0.22	< 2	9	17	0.15	< 20	< 1	< 2	< 10	83	< 10	5	13

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.4	< 0.5	74	1040	1	25	103	119	6.81	203	16	741	0.8	4	0.14	13	79	5.89	20	1	0.98	< 10	0.42
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	73	1030	1	25	94	118	6.80	211	15	741	0.8	3	0.14	13	79	5.85	20	3	1.02	< 10	0.41
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	75	1060	1	27	97	123	7.04	215	< 10	760	0.8	3	0.15	13	81	6.02	20	2	1.12	< 10	0.42
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
GXR-6 Meas	0.4	< 0.5	72	1010	< 1	24	91	116	6.86	214	< 10	745	0.8	4	0.14	13	77	5.76	20	2	1.01	< 10	0.41
GXR-6 Cert	1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9	0.609
OREAS 922 (AQUA REGIA) Meas	1.0	< 0.5	2160	755	< 1	36	61	263	2.69	4	72	0.7	11	0.43	20	47	4.89	< 10			0.41	34	1.24
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62			0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2220	759	< 1	36	61	253	2.76	5	71	0.7	10	0.42	19	46	5.08	< 10			0.43	35	1.31
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62			0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.9	< 0.5	2320	770	< 1	36	60	260	2.88	7	75	0.7	9	0.43	20	47	5.27	< 10			0.51	35	1.34
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62			0.376	32.5	1.33
OREAS 922 (AQUA REGIA) Meas	0.8	< 0.5	2240	747	< 1	35	60	251	2.86	6	75	0.7	11	0.41	19	45	5.06	< 10			0.47	35	1.33
OREAS 922 (AQUA REGIA) Cert	0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12	70	0.65	10.3	0.324	19.4	40.7	5.05	7.62			0.376	32.5	1.33
OREAS 923 (AQUA REGIA) Meas	2.4	< 0.5	4230	867	< 1	32	81	335	2.74	4	59	0.6	24	0.44	22	43	5.74	< 10			0.35	32	1.36
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01			0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4380	860	< 1	34	85	331	2.79	6	58	0.6	25	0.42	22	43	5.83	< 10			0.36	32	1.39
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01			0.322	30.0	1.43
OREAS 923 (AQUA REGIA) Meas	1.7	< 0.5	4550	868	< 1	34	82	332	2.88	7	60	0.6	28	0.43	22	43	6.00	< 10			0.42	32	1.42
OREAS 923 (AQUA REGIA) Cert	1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07	54	0.61	21.8	0.326	22.2	39.4	5.91	8.01			0.322	30.0	1.43
Oreas 96 (Aqua Regia) Meas	11.3		> 10000				85	403						57		44							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua Regia) Meas	11.7		> 10000				88	409						61		46							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 96 (Aqua	11.1		> 10000				87	396						52		45							

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 96 (Aqua Regia) Cert	11.50		39100.00				100	448						27.9		49.2							
Oreas 621 (Aqua Regia) Meas	68.7	294	3580	546	13	26	> 5000	> 10000	1.79	78			0.6	4	1.76	30	32	3.28	10	6	0.33	18	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.7	288	3530	536	13	25	> 5000	> 10000	1.75	77			0.6	4	1.73	29	30	3.25	< 10	5	0.34	19	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	68.0	294	3630	545	13	27	> 5000	> 10000	1.82	78			0.6	8	1.77	29	32	3.33	10	6	0.37	20	0.44
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
Oreas 621 (Aqua Regia) Meas	66.7	285	3560	525	12	25	> 5000	> 10000	1.74	74			0.5	5	1.69	29	30	3.23	10	4	0.35	18	0.43
Oreas 621 (Aqua Regia) Cert	68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4	0.436
759084 Orig	< 0.2	< 0.5	100	508	< 1	74	5	82	4.03	< 2	< 10	20	< 0.5	2	1.64	26	135	7.31	< 10	3	0.09	< 10	3.04
759084 Dup	< 0.2	< 0.5	101	494	< 1	74	5	82	4.03	< 2	< 10	19	< 0.5	3	1.59	26	132	7.32	< 10	2	0.10	< 10	3.05
759104 Orig	< 0.2	< 0.5	120	507	< 1	77	5	36	4.70	< 2	< 10	15	< 0.5	< 2	2.64	27	124	5.14	10	2	0.05	< 10	2.50
759104 Dup	< 0.2	< 0.5	121	498	< 1	77	9	36	4.65	< 2	< 10	14	< 0.5	< 2	2.57	26	121	5.07	10	2	0.05	< 10	2.49
759109 Orig	< 0.2	< 0.5	52	549	< 1	37	< 2	33	3.45	< 2	< 10	47	< 0.5	< 2	1.95	18	49	4.16	< 10	1	0.16	< 10	2.19
759109 Dup	< 0.2	< 0.5	51	551	< 1	37	< 2	31	3.45	< 2	< 10	47	< 0.5	< 2	1.97	18	49	4.15	< 10	3	0.16	< 10	2.18
759119 Orig	< 0.2	< 0.5	80	639	< 1	6	< 2	48	1.71	< 2	10	202	< 0.5	3	2.73	28	1	6.28	< 10	3	0.23	< 10	1.07
759119 Dup	< 0.2	< 0.5	83	649	< 1	7	< 2	51	1.74	< 2	< 10	202	< 0.5	< 2	2.75	28	1	6.43	< 10	2	0.24	< 10	1.09
759128 Orig	< 0.2	< 0.5	8	925	< 1	2	2	77	1.64	< 2	11	< 10	< 0.5	3	2.56	19	4	8.92	20	1	0.02	11	0.56
759128 Dup	< 0.2	< 0.5	8	939	< 1	2	3	76	1.63	< 2	12	< 10	< 0.5	2	2.52	19	3	8.79	10	1	0.02	12	0.55
759131 Orig	< 0.2	< 0.5	3	888	< 1	2	3	68	1.62	< 2	12	14	0.6	2	2.74	11	3	7.79	20	2	0.03	13	0.49
759131 Split PREP DUP	< 0.2	< 0.5	4	891	< 1	2	< 2	67	1.76	< 2	12	13	0.6	< 2	2.81	10	3	8.10	20	2	0.03	13	0.53
759146 Orig	< 0.2	< 0.5	22	691	< 1	1	2	38	1.50	< 2	22	< 10	< 0.5	3	2.96	32	3	5.61	< 10	2	0.02	< 10	0.73
759146 Dup	< 0.2	< 0.5	22	703	< 1	2	2	39	1.55	< 2	11	< 10	< 0.5	< 2	2.98	33	3	5.80	< 10	2	0.02	< 10	0.75
759149 Orig	0.3	< 0.5	40	632	< 1	7	< 2	43	1.59	< 2	12	25	< 0.5	< 2	3.13	43	2	6.05	< 10	2	0.21	< 10	1.12
759149 Dup	0.3	< 0.5	43	625	< 1	6	2	44	1.59	< 2	12	25	< 0.5	2	3.19	44	2	6.15	< 10	1	0.21	< 10	1.11
759161 Orig	< 0.2	< 0.5	135	550	< 1	27	< 2	27	1.99	< 2	15	12	< 0.5	< 2	2.72	20	23	3.18	< 10	< 1	0.06	< 10	1.50
759161 Dup	< 0.2	< 0.5	137	561	< 1	27	< 2	28	2.08	< 2	14	12	< 0.5	< 2	2.78	20	23	3.30	< 10	2	0.07	< 10	1.56
759169 Orig	< 0.2	0.6	424	522	< 1	195	< 2	44	2.44	< 2	19	< 10	< 0.5	< 2	3.73	51	193	4.37	< 10	2	0.05	< 10	2.17
759169 Dup	< 0.2	< 0.5	429	531	< 1	199	< 2	45	2.46	< 2	20	< 10	< 0.5	< 2	3.79	52	196	4.42	< 10	< 1	0.05	< 10	2.20
759176 Orig	< 0.2	< 0.5	185	541	< 1	76	< 2	45	2.64	< 2	< 10	< 10	< 0.5	< 2	3.28	27	106	4.46	< 10	2	0.06	< 10	1.71
759176 Dup	< 0.2	< 0.5	179	546	< 1	76	< 2	44	2.67	< 2	10	< 10	< 0.5	< 2	3.25	26	107	4.46	< 10	< 1	0.06	< 10	1.76
759181 Orig	< 0.2	< 0.5	29	114	< 1	42	3	23	1.63	< 2	25	168	< 0.5	< 2	0.72	16	128	2.52	< 10	< 1	0.66	22	1.15
759181 Split PREP DUP	< 0.2	< 0.5	30	117	< 1	43	3	24	1.63	< 2	< 10	169	< 0.5	< 2	0.72	17	130	2.57	< 10	< 1	0.71	22	1.15
759184 Orig	< 0.2	< 0.5	49	625	< 1	87	< 2	60	2.02	< 2	11	241	< 0.5	< 2	2.71	20	165	4.07	< 10	1	0.80	19	1.66
759184 Dup	< 0.2	< 0.5	51	621	< 1	95	< 2	61	2.08	< 2	10	249	< 0.5	< 2	2.85	21	173	4.30	< 10	< 1	0.85	20	1.71
759189 Orig	< 0.2	< 0.5	63	823	1	66	3	72	2.18	< 2	11	215	< 0.5	< 2	0.79	24	81	5.23	< 10	< 1	0.78	< 10	0.61
759189 Dup	< 0.2	< 0.5	65	775	< 1	66	< 2	70	2.18	< 2	11	221	< 0.5	< 2	0.78	23	81	5.29	< 10	2	0.81	< 10	0.61
759191 Orig	< 0.2	< 0.5	47	671	< 1	61	2	67	1.92	< 2	24	197	< 0.5	< 2	0.67	23	82	4.59	< 10	2	0.79	< 10	0.61
759191 Split PREP DUP	< 0.2	< 0.5	45	638	< 1	62	< 2	68	1.88	< 2	11	198	< 0.5	< 2	0.68	22	83	4.56	< 10	< 1	0.76	< 10	0.60
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La	Mg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	%
Lower Limit	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10	0.01
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01
Method Blank	< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10	< 0.01

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.101	0.034	0.01	2	18	30		< 20	< 1	< 2	< 10	160	< 10	4	5
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.102	0.034	0.01	3	18	30		< 20	< 1	< 2	< 10	162	< 10	5	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.108	0.035	0.01	3	18	31		< 20	< 1	< 2	< 10	166	< 10	5	6
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.109	0.034	0.01	< 2	18	30		< 20	< 1	< 2	< 10	162	< 10	5	7
GXR-6 Cert	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	0.024	0.061	0.34	< 2	4	16		< 20		< 2	< 10	35	< 10	21	13
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.064	0.35	2	4	16		< 20		< 2	< 10	35	< 10	21	16
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.026	0.065	0.36	< 2	4	17		< 20		< 2	< 10	36	< 10	21	15
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	0.029	0.063	0.35	< 2	4	16		< 20		< 2	< 10	35	< 10	21	11
OREAS 922 (AQUA REGIA) Cert	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas		0.059	0.62	< 2	4	15		< 20		< 2	< 10	35	< 10	19	25
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.061	0.63	2	4	15		< 20		< 2	< 10	35	< 10	19	26
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas		0.062	0.64	2	4	15		< 20		< 2	< 10	35	< 10	20	24
OREAS 923 (AQUA REGIA) Cert		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas			3.90	6											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua Regia) Meas			3.87	5											
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 96 (Aqua			3.74	5											

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas															
Oreas 96 (Aqua Regia) Cert			4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.156	0.035	4.72	111	2	19		< 20		< 2	< 10	13	< 10	8	65
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.165	0.035	4.64	115	2	20		< 20		< 2	< 10	13	< 10	8	64
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.167	0.036	4.76	120	2	21		< 20		< 2	< 10	13	< 10	8	66
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.170	0.033	4.66	95	2	18		< 20		< 2	< 10	13	< 10	8	49
Oreas 621 (Aqua Regia) Cert	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
759084 Orig	0.157	0.035	0.10	2	14	16	0.16	< 20	< 1	< 2	< 10	143	< 10	10	2
759084 Dup	0.170	0.034	0.10	2	14	16	0.15	< 20	< 1	< 2	< 10	140	< 10	10	2
759104 Orig	0.330	0.035	0.14	< 2	14	81	0.15	< 20	< 1	2	< 10	135	< 10	7	3
759104 Dup	0.326	0.035	0.14	< 2	13	80	0.15	< 20	< 1	< 2	< 10	133	< 10	6	4
759109 Orig	0.133	0.034	0.05	< 2	9	50	0.12	< 20	< 1	< 2	< 10	73	< 10	5	6
759109 Dup	0.135	0.034	0.05	< 2	9	50	0.12	< 20	< 1	< 2	< 10	74	< 10	5	6
759119 Orig	0.230	0.056	0.07	< 2	22	11	0.21	< 20	2	< 2	< 10	304	< 10	17	6
759119 Dup	0.234	0.055	0.07	< 2	22	11	0.22	< 20	2	< 2	< 10	308	< 10	17	6
759128 Orig	0.139	0.119	0.08	3	16	21	0.15	< 20	< 1	< 2	< 10	2	< 10	43	9
759128 Dup	0.138	0.119	0.08	2	16	21	0.19	< 20	< 1	< 2	< 10	2	< 10	44	10
759131 Orig	0.118	0.122	0.06	3	17	32	0.11	< 20	1	< 2	< 10	2	< 10	46	7
759131 Split PREP DUP	0.118	0.128	0.06	3	18	32	0.11	< 20	< 1	< 2	< 10	2	< 10	46	8
759146 Orig	0.192	0.056	0.67	< 2	23	18	0.22	< 20	4	< 2	< 10	63	< 10	18	6
759146 Dup	0.198	0.056	0.69	< 2	24	18	0.22	< 20	2	< 2	< 10	64	< 10	19	6
759149 Orig	0.191	0.031	1.00	< 2	19	15	0.27	< 20	1	< 2	< 10	261	24	10	4
759149 Dup	0.198	0.032	1.00	< 2	19	15	0.23	< 20	2	< 2	< 10	262	21	10	4
759161 Orig	0.201	0.021	0.06	< 2	15	22	0.20	< 20	4	< 2	< 10	96	< 10	8	2
759161 Dup	0.217	0.021	0.06	< 2	15	22	0.20	< 20	1	< 2	< 10	99	< 10	8	2
759169 Orig	0.274	0.041	0.64	2	12	23	0.15	< 20	< 1	< 2	< 10	77	< 10	7	3
759169 Dup	0.285	0.041	0.64	< 2	13	23	0.15	< 20	< 1	< 2	< 10	79	< 10	7	3
759176 Orig	0.288	0.039	0.17	< 2	17	42	0.17	< 20	< 1	< 2	< 10	140	< 10	10	3
759176 Dup	0.297	0.038	0.17	< 2	17	41	0.18	< 20	2	< 2	< 10	141	< 10	10	3
759181 Orig	0.168	0.071	0.01	< 2	7	20	0.15	< 20	2	< 2	< 10	82	< 10	7	7
759181 Split PREP DUP	0.174	0.070	0.01	< 2	7	20	0.15	< 20	3	< 2	< 10	83	< 10	7	6
759184 Orig	0.122	0.073	0.02	< 2	10	43	0.18	< 20	3	< 2	< 10	91	< 10	7	24
759184 Dup	0.122	0.074	0.02	< 2	11	45	0.16	< 20	< 1	< 2	< 10	94	< 10	8	10
759189 Orig	0.135	0.043	0.21	2	12	22	0.17	< 20	1	< 2	< 10	92	< 10	6	16
759189 Dup	0.136	0.042	0.21	< 2	11	21	0.16	< 20	< 1	< 2	< 10	92	< 10	6	15
759191 Orig	0.103	0.043	0.22	< 2	9	17	0.15	< 20	< 1	< 2	< 10	83	< 10	5	13
759191 Split PREP DUP	0.091	0.043	0.22	< 2	9	17	0.15	< 20	3	< 2	< 10	83	< 10	5	15
Method Blank	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Analyte Symbol	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	0.009	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-04723-Au
Report Date: 22-Apr-21
Date Submitted: 22-Mar-21
Your Reference: Kas Lake Gold (Pickle Lake)

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

110 Core samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Test description, and Testing Date. Rows include 1A2-Tbay and 1A3-Tbay.

REPORT A21-04723-Au

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Footnote: Samples 759090 and 759150 were insufficient for further analysis (1A3-Add).

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
759082	5	
759083	5	
759084	6	
759085	< 5	
759086	< 5	
759087	< 5	
759088	< 5	
759089	7	
759090	4100	
759091	< 5	
759092	< 5	
759093	7	
759094	7	
759095	13	
759096	< 5	
759097	5	
759098	13	
759099	6	
759100	< 5	
759101	< 5	
759102	6	
759103	10	
759104	7	
759105	5	
759106	12	
759107	7	
759108	< 5	
759109	14	
759110	> 5000	6.01
759111	10	
759112	8	
759113	< 5	
759114	9	
759115	6	
759116	< 5	
759117	6	
759118	19	
759119	32	
759120	< 5	
759121	86	
759122	16	
759123	< 5	
759124	< 5	
759125	9	
759126	9	
759127	15	
759128	17	
759129	< 5	
759130	1210	
759131	13	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
759132	< 5	
759133	< 5	
759134	< 5	
759135	3490	2.82
759136	97	
759137	65	
759138	762	
759139	3460	3.25
759140	5	
759141	564	
759142	167	
759143	107	
759144	166	
759145	220	
759146	82	
759147	18	
759148	315	
759149	1020	
759150	3910	
759151	375	
759152	379	
759153	71	
759154	31	
759155	15	
759156	23	
759157	17	
759158	48	
759159	62	
759160	6	
759161	74	
759162	48	
759163	33	
759164	56	
759165	38	
759166	44	
759167	< 5	
759168	6	
759169	16	
759170	1100	
759171	437	
759172	29	
759173	143	
759174	40	
759175	41	
759176	106	
759177	8	
759178	< 5	
759179	8	
759180	< 5	
759181	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
759182	6	
759183	7	
759184	< 5	
759185	5	
759186	< 5	
759187	7	
759188	< 5	
759189	14	
759190	> 5000	6.56
759191	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 229b (Fire Assay) Meas		11.4
OREAS 229b (Fire Assay) Cert		11.9
OREAS 238 (Fire Assay) Meas	3160	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3130	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3180	
OREAS 238 (Fire Assay) Cert	3030	
Oreas E1336 (Fire Assay) Meas	521	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	521	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	526	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	520	
Oreas E1336 (Fire Assay) Cert	510	
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510	
OREAS 297 (Fire Assay) Meas		17.2
OREAS 297 (Fire Assay) Cert		17.8
OREAS 297 (Fire Assay) Meas		18.2
OREAS 297 (Fire Assay) Cert		17.8
759089 Orig	8	
759089 Dup	6	
759099 Orig	5	
759099 Dup	6	
759104 Orig	7	
759104 Dup	7	
759125 Orig	6	
759125 Dup	12	
759131 Orig	13	
759131 Split PREP DUP	18	
759134 Orig	< 5	





Ardiden Canada Ltd.  
 684 Squire St.  
 Thunder Bay ON  
 Canada

Report No.: A21-05521  
 Report Date: 18-May-21  
 Date Submitted: 05-Apr-21  
 Your Reference: Kas Lake Gold (Pickle Lake)

ATTN: Haydn Daxter

**CERTIFICATE OF ANALYSIS**

137 Core samples were submitted for analysis.

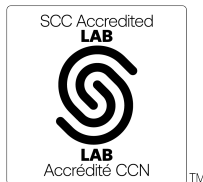
The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-05-04 15:30:11
1A3-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2021-05-07 14:49:45
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-05-11 12:08:49

REPORT A21-05521

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
 Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Emmanuel Esemé, Ph.D.  
 Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-05521

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759199	< 5	< 0.2	< 0.5	87	407	< 1	145	< 2	26	4.41	< 2	< 10	25	< 0.5	< 2	2.79	34	36	4.38	< 10	2	0.09	< 10
759200	< 5	< 0.2	< 0.5	20	644	4	12	< 2	36	1.24	< 2	< 10	63	< 0.5	< 2	1.09	5	28	2.62	< 10	< 1	0.10	< 10
759201	6	< 0.2	< 0.5	214	303	< 1	136	< 2	31	4.75	< 2	< 10	15	< 0.5	< 2	3.10	31	30	3.71	< 10	1	0.06	< 10
759202	5	< 0.2	< 0.5	120	330	< 1	111	< 2	41	5.31	< 2	< 10	13	< 0.5	< 2	3.59	26	30	3.30	< 10	1	0.05	< 10
759203	< 5	< 0.2	< 0.5	106	431	< 1	123	< 2	42	4.44	< 2	< 10	16	< 0.5	< 2	3.18	29	32	3.86	< 10	1	0.05	< 10
759204	6	< 0.2	0.6	157	360	< 1	110	< 2	38	3.73	< 2	< 10	48	< 0.5	< 2	2.61	29	36	3.78	< 10	2	0.13	< 10
759205	< 5	< 0.2	< 0.5	100	517	< 1	80	< 2	52	5.26	< 2	< 10	90	< 0.5	< 2	3.36	31	64	6.15	< 10	< 1	0.15	< 10
759206	9	< 0.2	< 0.5	522	387	4	19	< 2	42	1.45	5	< 10	12	0.6	< 2	1.95	17	31	13.5	< 10	< 1	0.09	< 10
759207	16	< 0.2	< 0.5	114	141	< 1	5	4	10	0.21	< 2	< 10	< 10	1.0	< 2	0.67	6	8	11.9	< 10	2	< 0.01	< 10
759208	< 5	< 0.2	0.7	79	480	< 1	62	< 2	202	3.71	< 2	< 10	32	< 0.5	< 2	2.58	20	118	4.10	< 10	< 1	0.10	< 10
759209	< 5	< 0.2	< 0.5	119	521	< 1	75	2	156	3.19	< 2	< 10	16	< 0.5	< 2	2.86	27	117	4.01	< 10	< 1	0.07	< 10
759210	1110	87.8	9.4	931	938	12	11	4370	1050	1.87	31	14	60	< 0.5	< 2	3.20	18	20	3.72	< 10	< 1	0.16	< 10
759211	< 5	< 0.2	< 0.5	100	624	< 1	77	3	138	3.33	< 2	< 10	14	< 0.5	< 2	3.08	27	124	4.55	< 10	2	0.07	< 10
759212	5	< 0.2	< 0.5	123	798	< 1	70	< 2	52	3.35	< 2	< 10	13	< 0.5	< 2	3.32	28	122	5.08	< 10	1	0.07	< 10
759213	5	< 0.2	< 0.5	120	744	< 1	80	4	81	3.08	< 2	< 10	16	< 0.5	< 2	3.35	30	124	4.93	< 10	1	0.08	< 10
759214	< 5	< 0.2	0.6	90	789	< 1	105	< 2	143	3.16	< 2	< 10	15	< 0.5	< 2	3.80	30	122	5.45	< 10	< 1	0.09	< 10
759215	< 5	< 0.2	< 0.5	101	637	< 1	73	< 2	46	3.05	< 2	< 10	18	< 0.5	< 2	3.26	26	110	4.91	< 10	2	0.09	< 10
759216	8	< 0.2	0.7	118	668	< 1	80	< 2	235	3.73	< 2	< 10	47	< 0.5	2	3.42	30	135	6.63	< 10	2	0.28	< 10
759217	7	0.4	1.2	391	639	3	87	7	321	2.68	2	< 10	13	< 0.5	< 2	2.89	30	118	6.50	< 10	1	0.51	17
759218	5	< 0.2	< 0.5	56	714	< 1	65	< 2	61	2.34	< 2	< 10	153	< 0.5	< 2	3.15	20	188	3.68	< 10	< 1	0.60	40
759219	6	< 0.2	< 0.5	70	739	< 1	59	4	69	2.59	2	< 10	262	< 0.5	< 2	4.02	20	179	3.54	< 10	2	0.98	41
759220	< 5	< 0.2	< 0.5	20	643	4	12	< 2	36	1.24	< 2	< 10	63	< 0.5	< 2	1.11	6	27	2.55	< 10	< 1	0.11	< 10
759221	< 5	< 0.2	< 0.5	69	762	< 1	49	< 2	50	2.13	< 2	< 10	165	< 0.5	< 2	3.87	18	121	3.30	< 10	< 1	0.67	36
759222	10	< 0.2	< 0.5	82	745	< 1	56	< 2	71	2.54	< 2	< 10	263	< 0.5	< 2	4.78	19	169	3.57	< 10	2	0.92	48
759223	8	< 0.2	< 0.5	84	724	< 1	58	< 2	51	2.30	< 2	< 10	271	< 0.5	< 2	3.60	17	154	3.24	< 10	< 1	0.84	40
759224	< 5	< 0.2	< 0.5	67	831	< 1	56	< 2	98	2.04	< 2	< 10	338	< 0.5	< 2	1.77	17	127	2.93	< 10	< 1	0.91	28
759225	< 5	< 0.2	< 0.5	67	840	< 1	58	< 2	99	2.02	< 2	< 10	322	< 0.5	< 2	1.80	18	130	2.85	< 10	< 1	0.93	28
759226	10	< 0.2	< 0.5	133	667	< 1	51	< 2	52	2.20	< 2	< 10	445	< 0.5	< 2	1.79	18	114	2.94	< 10	< 1	1.00	33
759227	< 5	< 0.2	< 0.5	39	593	< 1	46	< 2	41	2.27	< 2	< 10	483	< 0.5	< 2	1.45	16	104	2.67	< 10	< 1	1.03	36
759228	7	< 0.2	< 0.5	70	636	< 1	67	< 2	44	2.78	< 2	< 10	163	< 0.5	< 2	2.68	20	113	4.12	< 10	1	0.39	17
759229	8	0.3	< 0.5	136	610	< 1	76	3	44	4.22	< 2	< 10	27	< 0.5	< 2	3.80	27	119	4.95	< 10	2	0.11	< 10
759230	3710	18.7	1.0	336	554	5	187	211	131	3.49	11	< 10	92	< 0.5	< 2	2.57	19	187	3.52	< 10	1	0.20	12
759231	< 5	0.2	< 0.5	123	545	< 1	77	6	47	3.78	< 2	< 10	19	< 0.5	< 2	3.53	29	106	4.43	< 10	2	0.09	< 10
759232	< 5	< 0.2	< 0.5	108	832	< 1	78	< 2	55	3.79	< 2	< 10	43	< 0.5	< 2	3.90	28	115	5.43	< 10	1	0.17	< 10
759233	< 5	< 0.2	< 0.5	42	781	< 1	32	< 2	56	2.11	2	< 10	128	< 0.5	< 2	1.61	15	58	3.54	< 10	< 1	0.19	16
759234	< 5	< 0.2	< 0.5	82	840	< 1	44	13	100	2.34	< 2	< 10	147	< 0.5	< 2	1.37	19	99	3.44	< 10	< 1	0.31	22
759235	< 5	< 0.2	< 0.5	15	868	< 1	49	< 2	67	2.87	< 2	< 10	110	< 0.5	< 2	1.09	16	125	3.55	< 10	1	0.25	22
759236	< 5	< 0.2	< 0.5	24	748	< 1	41	< 2	175	2.87	< 2	< 10	113	< 0.5	< 2	1.55	14	104	3.66	< 10	1	0.25	23
759237	< 5	< 0.2	< 0.5	77	1060	< 1	55	8	162	3.04	< 2	< 10	103	< 0.5	< 2	2.14	21	101	4.78	< 10	2	0.30	17
759238	< 5	< 0.2	< 0.5	49	868	< 1	39	7	128	2.50	< 2	< 10	124	< 0.5	< 2	1.34	16	89	3.89	< 10	1	0.29	22
759239	< 5	< 0.2	< 0.5	54	514	< 1	46	< 2	81	2.25	< 2	< 10	248	< 0.5	< 2	1.55	17	133	3.20	< 10	< 1	0.47	22
759240	< 5	< 0.2	< 0.5	20	652	4	12	< 2	36	1.26	< 2	< 10	64	< 0.5	< 2	1.08	5	27	2.59	< 10	< 1	0.10	< 10
759241	< 5	< 0.2	< 0.5	58	484	1	52	< 2	42	2.24	< 2	< 10	65	< 0.5	< 2	1.72	19	112	3.31	< 10	< 1	0.28	24
759242	< 5	< 0.2	< 0.5	80	422	< 1	46	6	64	2.20	< 2	< 10	106	< 0.5	< 2	0.77	19	109	3.28	< 10	< 1	0.21	29
759243	5	< 0.2	< 0.5	63	410	< 1	51	3	41	2.50	< 2	< 10	139	< 0.5	< 2	0.99	19	124	3.41	< 10	< 1	0.35	31
759244	< 5	< 0.2	< 0.5	69	452	< 1	41	< 2	42	3.79	< 2	< 10	125	< 0.5	< 2	2.11	14	105	2.99	< 10	2	0.38	29
759245	< 5	< 0.2	< 0.5	69	434	< 1	41	< 2	41	3.73	< 2	< 10	126	< 0.5	< 2	2.15	16	105	2.82	< 10	2	0.38	29
759246	< 5	< 0.2	< 0.5	32	311	< 1	33	2	30	2.51	< 2	< 10	86	< 0.5	< 2	1.46	13	83	2.15	< 10	< 1	0.28	25
759247	< 5	< 0.2	< 0.5	18	459	< 1	39	2	42	2.93	< 2	< 10	75	< 0.5	< 2	1.63	16	97	2.72	10	< 1	0.31	24
759248	< 5	< 0.2	< 0.5	14	727	< 1	46	17	95	3.14	< 2	< 10	31	< 0.5	< 2	0.80	16	107	3.99	10	< 1	0.14	23
759249	< 5	< 0.2	< 0.5	71	613	< 1	33	8	257	3.15	< 2	< 10	55	< 0.5	< 2	1.25	17	59	4.66	< 10	2	0.21	22

## Results

## Activation Laboratories Ltd.

## Report: A21-05521

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759250	> 5000	0.8	< 0.5	50	387	6	30	88	61	1.37	6240	< 10	37	< 0.5	< 2	1.72	12	50	9.54	< 10	< 1	0.21	< 10
759251	< 5	< 0.2	< 0.5	113	931	< 1	62	21	227	3.93	2	< 10	36	< 0.5	< 2	1.60	23	105	6.07	10	2	0.14	16
759252	6	< 0.2	< 0.5	128	742	< 1	61	4	91	3.25	< 2	< 10	31	< 0.5	< 2	1.78	23	108	4.76	< 10	2	0.13	14
759253	< 5	< 0.2	< 0.5	175	854	< 1	40	6	138	3.47	< 2	< 10	20	< 0.5	< 2	0.58	20	73	5.14	10	1	0.10	18
759254	5	< 0.2	< 0.5	17	889	< 1	28	3	53	3.92	< 2	< 10	26	< 0.5	< 2	0.46	19	53	5.39	10	2	0.12	24
759255	< 5	< 0.2	< 0.5	53	748	< 1	37	2	60	3.45	< 2	< 10	22	< 0.5	< 2	0.51	21	62	5.36	10	1	0.10	25
759256	< 5	< 0.2	< 0.5	4	678	< 1	31	< 2	42	3.60	< 2	< 10	39	< 0.5	< 2	0.28	18	63	4.47	10	1	0.23	10
759257	< 5	< 0.2	< 0.5	3	493	< 1	36	< 2	54	3.86	< 2	< 10	46	< 0.5	< 2	0.25	17	76	4.42	10	3	0.39	< 10
759258	47	< 0.2	< 0.5	5	490	2	20	< 2	49	2.51	< 2	41	20	< 0.5	< 2	1.39	14	34	3.52	< 10	< 1	0.10	23
759259	9	< 0.2	< 0.5	8	474	< 1	23	< 2	124	3.19	< 2	15	20	< 0.5	< 2	0.38	14	49	3.90	< 10	2	0.09	< 10
759260	< 5	< 0.2	< 0.5	20	624	4	11	2	36	1.18	< 2	< 10	60	< 0.5	< 2	1.09	6	27	2.47	< 10	< 1	0.10	< 10
759261	12	< 0.2	< 0.5	4	723	< 1	25	< 2	50	3.82	< 2	12	35	< 0.5	< 2	0.33	16	56	5.55	< 10	< 1	0.18	< 10
759262	17	< 0.2	< 0.5	3	577	< 1	22	< 2	35	3.51	2	14	33	0.6	< 2	0.47	14	45	4.20	10	1	0.11	< 10
759263	< 5	< 0.2	< 0.5	8	417	1	24	2	32	2.35	< 2	30	18	< 0.5	< 2	0.35	14	31	3.64	< 10	< 1	0.07	< 10
759264	15	< 0.2	< 0.5	81	619	< 1	36	6	38	1.93	4	22	17	< 0.5	< 2	1.76	24	72	4.45	< 10	2	0.08	13
759265	< 5	< 0.2	< 0.5	53	946	< 1	38	< 2	41	2.65	3	< 10	14	< 0.5	2	1.95	28	56	6.99	< 10	2	0.06	< 10
759266	86	< 0.2	< 0.5	36	885	< 1	21	< 2	42	2.45	8	< 10	11	< 0.5	< 2	1.83	39	12	7.53	< 10	1	0.05	< 10
759267	< 5	< 0.2	< 0.5	55	822	< 1	6	< 2	34	2.84	4	< 10	< 10	< 0.5	< 2	2.69	23	2	7.58	10	1	0.02	< 10
759268	< 5	0.4	< 0.5	12	248	< 1	1	2	4	1.89	< 2	< 10	< 10	< 0.5	< 2	4.58	4	5	2.27	< 10	< 1	< 0.01	11
759269	10	< 0.2	< 0.5	27	290	< 1	< 1	< 2	14	1.82	< 2	< 10	< 10	< 0.5	< 2	3.70	11	3	2.67	< 10	1	< 0.01	< 10
759270	1260	90.5	9.6	993	980	13	10	4620	1080	1.97	31	14	50	< 0.5	< 2	3.26	18	21	4.02	< 10	3	0.17	< 10
759271	< 5	< 0.2	< 0.5	9	598	< 1	1	4	21	3.00	< 2	< 10	< 10	< 0.5	< 2	3.16	15	2	5.89	10	1	< 0.01	13
759272	< 5	< 0.2	< 0.5	7	1120	< 1	1	< 2	45	3.88	< 2	< 10	< 10	< 0.5	< 2	2.25	20	1	11.2	10	2	< 0.01	< 10
759273	5	< 0.2	< 0.5	11	808	< 1	1	< 2	34	3.47	2	< 10	< 10	< 0.5	< 2	2.90	16	2	8.64	10	1	< 0.01	11
759274	92	< 0.2	< 0.5	13	423	< 1	8	< 2	12	3.03	13	11	12	< 0.5	< 2	4.56	52	11	5.21	20	2	0.01	23
759275	117	< 0.2	< 0.5	12	420	< 1	9	< 2	11	3.04	14	10	12	< 0.5	< 2	4.50	51	11	5.23	10	2	0.01	22
759276	223	< 0.2	< 0.5	14	587	< 1	30	< 2	22	2.84	22	< 10	< 10	< 0.5	< 2	4.18	75	26	6.01	10	< 1	0.01	< 10
759277	9	< 0.2	< 0.5	8	865	< 1	26	< 2	34	2.92	5	< 10	< 10	< 0.5	< 2	2.17	35	18	7.06	< 10	1	0.03	< 10
759278	44	< 0.2	< 0.5	10	930	< 1	22	< 2	34	2.78	< 2	< 10	18	< 0.5	< 2	1.91	24	9	7.42	10	2	0.06	< 10
759279	3250	0.7	< 0.5	17	890	2	2	3	60	2.40	11	< 10	< 10	< 0.5	< 2	3.04	37	3	8.70	10	1	0.02	< 10
759280	< 5	< 0.2	< 0.5	21	647	4	12	< 2	36	1.25	< 2	< 10	63	< 0.5	< 2	1.10	5	28	2.58	< 10	< 1	0.10	< 10
759281	211	< 0.2	< 0.5	9	974	< 1	2	< 2	64	2.65	9	< 10	< 10	< 0.5	< 2	2.95	26	3	8.81	10	1	0.02	11
759282	24	< 0.2	< 0.5	11	1050	< 1	3	< 2	64	2.86	3	< 10	< 10	0.6	< 2	2.91	15	2	8.95	20	2	0.04	11
759283	< 5	< 0.2	< 0.5	11	956	< 1	1	< 2	63	2.51	< 2	< 10	12	0.5	< 2	2.51	15	2	8.86	10	1	0.06	11
759284	7	< 0.2	< 0.5	6	979	< 1	< 1	< 2	55	2.33	< 2	< 10	12	0.5	< 2	4.09	15	3	8.31	10	2	0.09	< 10
759285	< 5	< 0.2	< 0.5	11	1050	< 1	2	< 2	70	2.56	< 2	< 10	18	0.6	< 2	2.79	19	3	9.19	10	1	0.15	< 10
759286	< 5	< 0.2	< 0.5	28	857	< 1	1	< 2	46	2.23	< 2	< 10	48	< 0.5	< 2	2.33	19	3	8.55	10	2	0.17	< 10
759287	150	< 0.2	< 0.5	80	730	< 1	2	2	41	2.19	< 2	< 10	24	< 0.5	2	2.11	29	2	9.80	10	2	0.14	< 10
759288	99	< 0.2	< 0.5	14	819	< 1	2	< 2	39	2.29	< 2	< 10	15	< 0.5	< 2	3.35	20	3	7.66	10	1	0.13	< 10
759289	< 5	< 0.2	< 0.5	7	852	< 1	1	< 2	32	2.42	< 2	< 10	23	< 0.5	3	3.54	19	3	7.13	10	2	0.11	< 10
759290	3950	19.0	0.9	345	569	6	190	219	133	3.68	10	< 10	95	< 0.5	< 2	2.60	20	195	3.67	< 10	2	0.21	12
759291	< 5	< 0.2	< 0.5	32	968	< 1	1	< 2	45	2.77	3	< 10	22	< 0.5	< 2	3.12	33	2	8.78	10	1	0.14	< 10
759292	5	< 0.2	< 0.5	33	938	< 1	1	< 2	42	2.87	3	< 10	11	< 0.5	< 2	2.85	34	2	9.54	10	2	0.10	< 10
759293	5	< 0.2	< 0.5	39	943	< 1	2	< 2	43	2.46	< 2	< 10	11	< 0.5	< 2	2.79	29	2	8.05	10	2	0.10	< 10
759294	5	< 0.2	< 0.5	22	889	< 1	3	< 2	36	2.19	< 2	< 10	< 10	< 0.5	< 2	3.22	31	2	7.51	< 10	1	0.08	< 10
759295	92	0.2	< 0.5	170	761	< 1	1	5	50	2.20	< 2	< 10	14	< 0.5	< 2	2.86	45	< 1	8.75	< 10	< 1	0.08	< 10
759296	19	< 0.2	< 0.5	44	778	< 1	2	< 2	47	2.55	< 2	< 10	13	< 0.5	< 2	2.98	33	< 1	8.16	10	< 1	0.09	< 10
759297	< 5	< 0.2	< 0.5	33	774	< 1	2	< 2	46	2.80	< 2	< 10	10	< 0.5	< 2	2.88	39	1	8.41	10	2	0.09	< 10
759298	5	< 0.2	< 0.5	42	797	< 1	3	< 2	58	2.50	< 2	< 10	< 10	< 0.5	< 2	3.15	39	1	7.56	< 10	2	0.10	< 10
759299	< 5	< 0.2	< 0.5	35	899	< 1	3	< 2	70	2.63	< 2	< 10	43	< 0.5	2	3.37	39	1	8.61	10	2	0.12	< 10
759300	< 5	< 0.2	< 0.5	19	627	4	11	< 2	35	1.21	< 2	< 10	61	< 0.5	< 2	1.06	6	27	2.50	< 10	< 1	0.10	< 10



Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759301	106	0.2	0.6	151	834	< 1	5	3	60	2.81	3	15	16	< 0.5	2	2.96	43	< 1	9.55	10	2	0.07	< 10
759302	5	< 0.2	< 0.5	53	765	< 1	6	< 2	46	2.35	< 2	< 10	10	< 0.5	< 2	3.23	45	< 1	7.91	< 10	2	0.09	< 10
759303	< 5	< 0.2	< 0.5	35	749	< 1	7	< 2	45	1.96	< 2	< 10	< 10	< 0.5	< 2	2.81	36	< 1	6.60	< 10	1	0.08	< 10
759304	< 5	< 0.2	< 0.5	30	705	< 1	8	< 2	38	2.02	< 2	< 10	< 10	< 0.5	< 2	2.86	37	1	6.79	< 10	1	0.09	< 10
759305	12	< 0.2	0.6	44	779	< 1	5	< 2	35	2.10	< 2	< 10	< 10	< 0.5	< 2	3.69	38	2	7.18	< 10	< 1	0.09	< 10
759306	30	< 0.2	< 0.5	60	815	< 1	9	< 2	34	1.94	< 2	< 10	< 10	< 0.5	< 2	4.24	37	< 1	7.29	< 10	2	0.06	< 10
759307	< 5	< 0.2	< 0.5	59	638	< 1	10	< 2	26	1.94	< 2	< 10	< 10	< 0.5	< 2	3.61	37	< 1	6.78	< 10	2	0.07	< 10
759308	< 5	< 0.2	< 0.5	55	623	< 1	8	< 2	31	1.61	< 2	< 10	< 10	< 0.5	< 2	2.26	33	2	6.66	< 10	1	0.06	< 10
759309	< 5	< 0.2	< 0.5	123	823	< 1	10	< 2	51	2.24	< 2	< 10	< 10	< 0.5	< 2	2.87	46	2	8.32	< 10	1	0.09	< 10
759310	> 5000	0.8	< 0.5	51	383	6	30	92	62	1.34	6130	< 10	33	< 0.5	< 2	1.77	10	48	9.31	< 10	< 1	0.22	< 10
759311	< 5	< 0.2	< 0.5	71	762	< 1	4	< 2	44	1.74	3	< 10	< 10	< 0.5	< 2	2.39	43	2	7.38	< 10	2	0.08	< 10
759312	< 5	< 0.2	< 0.5	65	735	< 1	8	< 2	54	1.92	< 2	< 10	< 10	< 0.5	< 2	2.51	50	1	8.27	< 10	2	0.08	< 10
759313	< 5	< 0.2	< 0.5	66	774	< 1	9	< 2	52	2.07	< 2	< 10	< 10	< 0.5	< 2	2.74	54	< 1	8.12	< 10	2	0.08	< 10
759314	< 5	< 0.2	< 0.5	60	771	< 1	9	< 2	53	2.08	< 2	< 10	< 10	< 0.5	< 2	2.84	52	< 1	8.08	< 10	2	0.09	< 10
759315	< 5	< 0.2	< 0.5	64	706	< 1	11	< 2	45	2.30	< 2	< 10	< 10	< 0.5	< 2	2.94	40	1	7.55	< 10	< 1	0.07	< 10
759316	12	< 0.2	< 0.5	225	707	< 1	18	< 2	49	2.31	< 2	< 10	< 10	< 0.5	< 2	3.48	44	2	7.50	< 10	1	0.07	< 10
759317	16	< 0.2	< 0.5	262	795	< 1	18	< 2	53	2.25	< 2	< 10	< 10	< 0.5	< 2	3.00	40	1	7.18	< 10	1	0.08	< 10
759318	10	< 0.2	< 0.5	187	783	< 1	19	< 2	51	2.27	< 2	< 10	< 10	< 0.5	< 2	3.22	38	1	7.05	< 10	2	0.09	< 10
759319	14	< 0.2	< 0.5	182	749	< 1	21	< 2	54	2.44	< 2	< 10	13	< 0.5	< 2	3.42	39	2	7.38	< 10	1	0.08	< 10
759320	< 5	< 0.2	< 0.5	20	627	4	11	< 2	35	1.19	< 2	< 10	62	< 0.5	< 2	1.08	5	27	2.48	< 10	< 1	0.10	< 10
759321	16	< 0.2	< 0.5	238	756	< 1	24	< 2	51	2.27	< 2	< 10	< 10	< 0.5	< 2	2.96	38	2	6.60	< 10	2	0.08	< 10
759322	12	< 0.2	< 0.5	272	770	< 1	36	< 2	51	2.18	< 2	< 10	15	< 0.5	< 2	2.97	36	2	6.90	< 10	1	0.11	< 10
759323	20	< 0.2	< 0.5	191	707	< 1	27	< 2	51	2.32	< 2	< 10	11	< 0.5	< 2	3.14	32	2	6.61	< 10	1	0.09	< 10
759324	15	< 0.2	< 0.5	241	770	< 1	35	< 2	52	2.39	< 2	< 10	< 10	< 0.5	< 2	3.03	36	3	7.00	< 10	2	0.09	< 10
759325	15	< 0.2	< 0.5	249	746	< 1	37	< 2	50	2.32	< 2	< 10	< 10	< 0.5	< 2	2.99	36	3	6.79	< 10	2	0.08	< 10
759326	8	< 0.2	< 0.5	319	775	< 1	40	< 2	52	2.59	< 2	< 10	< 10	< 0.5	< 2	3.29	38	3	7.78	< 10	2	0.08	< 10
759327	11	< 0.2	0.5	343	750	< 1	44	< 2	48	2.40	< 2	< 10	< 10	< 0.5	< 2	2.95	38	3	7.36	< 10	< 1	0.08	< 10
759328	16	< 0.2	< 0.5	499	797	< 1	47	< 2	48	2.53	< 2	< 10	17	< 0.5	< 2	3.24	35	4	6.98	< 10	1	0.10	< 10
759329	10	< 0.2	< 0.5	340	658	< 1	44	< 2	41	2.22	< 2	< 10	< 10	< 0.5	< 2	2.77	33	6	5.66	< 10	2	0.08	< 10
759330	4050	19.6	1.0	344	546	6	194	213	128	3.46	10	< 10	89	< 0.5	< 2	2.67	21	187	3.41	< 10	< 1	0.21	12
759331	< 5	< 0.2	< 0.5	143	700	< 1	30	3	36	2.14	< 2	< 10	< 10	< 0.5	< 2	2.71	27	11	4.57	< 10	1	0.08	< 10
759332	130	< 0.2	< 0.5	128	597	< 1	33	< 2	28	1.79	< 2	< 10	17	< 0.5	< 2	3.22	22	30	3.40	< 10	< 1	0.14	< 10
759333	165	< 0.2	< 0.5	111	506	< 1	39	< 2	25	1.91	< 2	< 10	11	< 0.5	< 2	3.10	20	56	2.99	< 10	< 1	0.11	< 10
759334	62	< 0.2	< 0.5	208	570	< 1	43	< 2	33	1.97	< 2	< 10	48	< 0.5	< 2	2.98	22	81	3.32	< 10	< 1	0.22	< 10
759335	62	< 0.2	< 0.5	153	468	< 1	57	< 2	24	2.68	< 2	< 10	37	< 0.5	< 2	2.88	22	96	3.15	< 10	< 1	0.15	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759199	3.05	0.508	0.018	0.02	3	9	50	0.12	<20	<1	<2	<10	73	<10	5	1	
759200	0.48	0.085	0.040	0.04	<2	4	46	0.11	<20	2	<2	<10	28	<10	10	5	
759201	2.46	0.543	0.029	0.04	<2	8	90	0.09	<20	<1	<2	<10	66	<10	4	1	
759202	2.07	0.493	0.018	0.02	<2	8	141	0.12	<20	<1	<2	<10	68	<10	4	1	
759203	2.49	0.486	0.025	0.01	<2	9	92	0.11	<20	1	<2	<10	75	<10	5	1	
759204	2.24	0.474	0.020	0.02	<2	10	55	0.14	<20	<1	<2	<10	83	<10	5	1	
759205	2.81	0.359	0.025	0.08	2	17	66	0.14	<20	<1	<2	<10	134	<10	9	2	
759206	1.19	0.070	0.078	1.82	4	6	9	0.05	<20	2	<2	<10	62	<10	8	5	
759207	0.33	0.025	0.118	0.60	4	<1	6	0.01	<20	5	<2	<10	25	<10	7	4	
759208	2.12	0.353	0.029	0.04	2	16	40	0.22	<20	<1	<2	<10	133	<10	8	2	
759209	2.06	0.335	0.028	0.11	<2	17	37	0.21	<20	1	<2	<10	134	<10	10	2	
759210	1.41	0.136	0.096	1.01	45	7	158	0.09	<20	<1	<2	<10	107	<10	8	5	
759211	2.08	0.367	0.034	0.10	<2	18	36	0.23	<20	<1	<2	<10	142	<10	10	2	
759212	1.90	0.408	0.030	0.11	2	18	48	0.25	<20	<1	<2	<10	149	<10	11	3	
759213	1.83	0.358	0.030	0.16	<2	18	43	0.25	<20	3	<2	<10	142	<10	11	2	
759214	2.20	0.285	0.023	0.14	<2	18	28	0.21	<20	<1	<2	<10	147	<10	10	2	
759215	1.91	0.334	0.034	0.13	<2	17	39	0.20	<20	2	<2	<10	138	<10	10	2	
759216	2.46	0.242	0.031	0.33	<2	17	37	0.19	<20	<1	<2	<10	152	<10	9	2	
759217	1.89	0.077	0.055	2.25	<2	11	27	0.15	<20	<1	<2	<10	96	<10	7	8	
759218	1.78	0.112	0.093	0.03	<2	12	43	0.20	<20	2	<2	<10	100	<10	9	6	
759219	2.31	0.116	0.118	<0.01	<2	11	73	0.22	<20	3	<2	<10	107	<10	10	8	
759220	0.47	0.085	0.040	0.04	<2	4	47	0.12	<20	3	<2	<10	28	<10	10	6	
759221	1.74	0.075	0.100	0.01	<2	8	116	0.07	<20	2	<2	<10	62	<10	8	2	
759222	2.00	0.091	0.131	0.02	<2	11	88	0.14	<20	<1	<2	<10	95	<10	11	4	
759223	2.12	0.119	0.109	0.10	<2	10	99	0.12	<20	1	<2	<10	80	<10	9	4	
759224	2.05	0.172	0.069	0.18	<2	9	61	0.15	<20	2	<2	<10	79	<10	7	3	
759225	2.08	0.160	0.071	0.18	<2	9	60	0.15	<20	<1	<2	<10	79	<10	7	4	
759226	1.99	0.190	0.070	0.11	<2	8	59	0.19	<20	3	<2	<10	89	<10	7	9	
759227	1.96	0.228	0.073	0.03	<2	8	51	0.19	<20	5	<2	<10	85	<10	7	8	
759228	2.09	0.278	0.048	0.17	<2	14	148	0.12	<20	4	<2	<10	110	<10	8	3	
759229	2.21	0.358	0.027	0.11	<2	17	509	0.20	<20	1	<2	<10	141	<10	9	2	
759230	1.80	0.430	0.033	0.11	6	5	100	0.11	<20	2	<2	<10	73	<10	9	5	4.06
759231	1.97	0.287	0.029	0.12	<2	15	374	0.17	<20	4	<2	<10	127	<10	7	1	
759232	2.58	0.213	0.028	0.10	<2	17	136	0.17	<20	<1	<2	<10	141	<10	9	2	
759233	1.72	0.119	0.050	0.25	<2	7	29	0.07	<20	<1	<2	<10	59	<10	5	3	
759234	2.23	0.119	0.057	0.20	<2	8	31	0.09	<20	<1	<2	<10	69	<10	5	2	
759235	2.61	0.136	0.057	0.03	<2	8	36	0.07	<20	<1	<2	<10	79	<10	5	2	
759236	2.18	0.191	0.054	0.05	<2	7	55	0.06	<20	3	<2	<10	73	<10	6	2	
759237	2.33	0.104	0.048	0.13	<2	10	52	0.06	<20	<1	<2	<10	87	<10	6	3	
759238	1.84	0.235	0.053	0.39	<2	7	49	0.12	<20	4	<2	<10	71	<10	6	4	
759239	1.74	0.321	0.068	0.06	<2	8	63	0.17	<20	3	<2	<10	75	<10	6	4	
759240	0.48	0.085	0.039	0.04	<2	4	48	0.12	<20	<1	<2	<10	28	<10	10	6	
759241	1.69	0.238	0.056	0.12	<2	9	104	0.16	<20	3	<2	<10	91	<10	7	4	
759242	1.90	0.148	0.062	0.21	<2	7	24	0.15	<20	<1	<2	<10	85	<10	7	3	
759243	1.98	0.226	0.063	0.20	<2	8	40	0.11	<20	1	<2	<10	82	<10	7	3	
759244	1.72	0.512	0.060	0.12	<2	7	126	0.10	<20	<1	<2	<10	74	<10	6	2	
759245	1.71	0.501	0.062	0.12	<2	6	124	0.10	<20	1	<2	<10	72	<10	6	2	
759246	1.50	0.284	0.055	0.05	<2	6	71	0.13	<20	1	<2	<10	63	<10	6	1	
759247	1.89	0.233	0.057	0.05	<2	8	49	0.18	<20	1	<2	<10	79	<10	6	2	
759248	2.69	0.101	0.058	0.06	<2	9	21	0.14	<20	<1	<2	<10	81	<10	6	2	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759249	2.34	0.116	0.056	0.63	< 2	6	46	0.11	< 20	3	< 2	< 10	58	< 10	6	3	
759250	0.78	0.034	0.047	1.30	5	3	111	0.02	< 20	4	< 2	< 10	29	14	3	17	6.94
759251	3.33	0.082	0.045	0.11	< 2	13	32	0.16	< 20	< 1	< 2	< 10	108	< 10	7	6	
759252	2.53	0.151	0.046	0.11	2	13	43	0.18	< 20	3	< 2	< 10	112	< 10	8	6	
759253	2.83	0.078	0.051	0.14	3	8	15	0.11	< 20	< 1	< 2	< 10	78	< 10	5	3	
759254	3.08	0.060	0.058	< 0.01	< 2	8	14	0.09	< 20	< 1	< 2	< 10	75	< 10	5	3	
759255	2.49	0.075	0.052	0.10	< 2	9	21	0.11	< 20	2	< 2	< 10	73	< 10	6	3	
759256	3.14	0.051	0.041	< 0.01	< 2	8	10	0.09	< 20	< 1	< 2	< 10	65	< 10	4	2	
759257	3.19	0.042	0.038	< 0.01	2	7	9	0.10	< 20	< 1	< 2	< 10	57	< 10	4	4	
759258	2.27	0.048	0.040	< 0.01	< 2	4	30	0.09	< 20	1	< 2	< 10	34	< 10	5	2	
759259	2.90	0.076	0.038	< 0.01	2	6	24	0.09	< 20	1	< 2	< 10	44	< 10	4	2	
759260	0.45	0.079	0.039	0.04	< 2	4	45	0.11	< 20	2	< 2	< 10	27	< 10	10	4	
759261	3.35	0.073	0.035	< 0.01	2	6	14	0.13	< 20	< 1	< 2	< 10	53	< 10	4	6	
759262	3.28	0.072	0.038	< 0.01	< 2	6	11	0.13	< 20	< 1	< 2	< 10	53	< 10	5	3	
759263	2.41	0.079	0.034	0.09	< 2	7	10	0.09	< 20	2	< 2	< 10	60	< 10	5	4	
759264	1.70	0.151	0.047	0.71	< 2	10	19	0.20	< 20	2	< 2	< 10	111	< 10	11	11	
759265	2.15	0.196	0.037	0.33	< 2	16	16	0.27	< 20	4	< 2	< 10	201	< 10	13	5	
759266	1.69	0.197	0.051	0.33	< 2	17	15	0.30	< 20	1	< 2	< 10	213	< 10	13	6	
759267	1.37	0.062	0.068	0.07	3	10	175	0.50	< 20	7	< 2	< 10	136	< 10	16	7	
759268	0.18	0.015	0.101	< 0.01	< 2	9	886	0.49	< 20	3	< 2	< 10	4	< 10	24	7	
759269	0.42	0.018	0.118	0.06	< 2	9	276	0.49	< 20	4	< 2	< 10	3	< 10	24	8	
759270	1.51	0.145	0.101	1.07	45	7	165	0.09	< 20	< 1	< 2	< 10	113	< 10	9	4	
759271	1.07	0.022	0.078	< 0.01	< 2	11	261	0.62	< 20	9	< 2	< 10	56	< 10	24	9	
759272	1.90	0.034	0.092	< 0.01	4	10	92	0.37	< 20	3	< 2	< 10	17	< 10	21	8	
759273	1.28	0.016	0.099	0.01	2	10	253	0.43	< 20	3	< 2	< 10	4	< 10	27	12	
759274	1.47	0.019	0.071	0.53	2	14	269	0.51	< 20	5	< 2	< 10	76	< 10	28	9	
759275	1.44	0.017	0.072	0.53	2	14	275	0.50	< 20	5	< 2	< 10	74	< 10	28	9	
759276	1.62	0.039	0.052	0.65	2	12	142	0.55	< 20	5	< 2	< 10	157	< 10	16	8	
759277	2.32	0.077	0.045	0.14	< 2	15	29	0.28	< 20	2	< 2	< 10	219	< 10	11	7	
759278	1.96	0.150	0.045	0.08	2	19	13	0.29	< 20	5	< 2	< 10	276	< 10	16	5	
759279	1.18	0.162	0.105	1.50	< 2	15	24	0.28	< 20	5	< 2	< 10	17	< 10	36	12	3.13
759280	0.48	0.084	0.040	0.04	< 2	4	47	0.11	< 20	3	< 2	< 10	28	< 10	10	5	
759281	0.97	0.195	0.114	0.35	3	17	35	0.22	< 20	3	< 2	< 10	4	< 10	35	10	
759282	0.86	0.217	0.123	0.07	3	18	35	0.22	< 20	4	< 2	< 10	2	< 10	41	10	
759283	0.67	0.249	0.110	0.05	3	20	24	0.22	< 20	2	< 2	< 10	2	< 10	40	10	
759284	0.63	0.272	0.094	0.04	3	20	27	0.20	< 20	2	< 2	< 10	4	< 10	36	9	
759285	0.72	0.360	0.110	0.07	3	23	25	0.21	< 20	< 1	< 2	< 10	5	< 10	38	10	
759286	0.72	0.310	0.101	0.13	2	23	12	0.22	< 20	3	< 2	< 10	6	< 10	35	11	
759287	0.92	0.251	0.095	1.89	5	24	10	0.25	< 20	3	< 2	< 10	21	< 10	33	13	
759288	0.89	0.360	0.083	0.16	3	23	30	0.23	< 20	4	< 2	< 10	10	< 10	33	9	
759289	1.02	0.369	0.072	0.05	2	27	28	0.22	< 20	3	< 2	< 10	23	< 10	28	6	
759290	1.87	0.450	0.033	0.12	9	5	107	0.11	< 20	< 1	< 2	< 10	76	< 10	9	4	3.82
759291	1.17	0.414	0.063	0.24	3	30	16	0.23	< 20	4	< 2	< 10	33	< 10	25	6	
759292	1.30	0.323	0.063	0.36	3	27	21	0.28	< 20	2	< 2	< 10	50	< 10	22	6	
759293	1.22	0.344	0.059	0.41	3	28	12	0.27	< 20	1	< 2	< 10	44	< 10	21	6	
759294	1.31	0.309	0.055	0.57	2	29	13	0.29	< 20	3	< 2	< 10	76	< 10	20	6	
759295	1.29	0.290	0.052	2.05	3	28	12	0.27	< 20	1	< 2	< 10	138	< 10	20	7	
759296	1.50	0.313	0.046	0.44	2	29	11	0.26	< 20	< 1	< 2	< 10	144	< 10	19	5	
759297	1.55	0.312	0.038	0.29	4	29	18	0.27	< 20	< 1	< 2	< 10	185	< 10	16	4	
759298	1.37	0.375	0.037	0.24	3	29	13	0.26	< 20	< 1	< 2	< 10	195	< 10	14	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759299	1.38	0.399	0.043	0.23	3	28	14	0.26	< 20	< 1	< 2	< 10	195	< 10	17	5	
759300	0.46	0.082	0.038	0.04	< 2	4	46	0.11	< 20	2	< 2	< 10	27	< 10	10	6	
759301	1.82	0.391	0.045	1.49	4	36	13	0.28	< 20	3	< 2	< 10	309	< 10	18	6	
759302	1.54	0.338	0.033	0.34	3	28	18	0.28	< 20	4	< 2	< 10	287	< 10	13	5	
759303	1.38	0.338	0.036	0.17	< 2	26	12	0.28	< 20	2	< 2	< 10	232	< 10	13	4	
759304	1.37	0.358	0.031	0.16	< 2	27	10	0.27	< 20	1	< 2	< 10	281	< 10	11	4	
759305	1.43	0.369	0.029	0.17	2	27	17	0.27	< 20	3	< 2	< 10	313	< 10	11	4	
759306	1.52	0.298	0.029	0.39	2	25	24	0.26	< 20	2	< 2	< 10	309	< 10	10	4	
759307	1.31	0.327	0.041	0.17	< 2	27	15	0.28	< 20	4	< 2	< 10	310	< 10	14	4	
759308	1.30	0.303	0.053	0.15	< 2	23	9	0.29	< 20	2	< 2	< 10	271	< 10	18	7	
759309	1.67	0.406	0.026	0.28	3	29	17	0.30	< 20	2	< 2	< 10	484	< 10	10	4	
759310	0.76	0.031	0.048	1.26	3	3	109	0.02	< 20	< 1	< 2	< 10	28	16	3	17	6.50
759311	1.48	0.354	0.027	0.22	< 2	26	7	0.27	< 20	4	< 2	< 10	464	< 10	9	4	
759312	1.52	0.376	0.036	0.31	3	27	8	0.27	< 20	2	< 2	< 10	527	< 10	12	5	
759313	1.63	0.366	0.023	0.36	3	27	9	0.29	< 20	4	< 2	< 10	569	< 10	9	4	
759314	1.59	0.392	0.022	0.32	3	28	10	0.28	< 20	4	< 2	< 10	567	< 10	9	4	
759315	1.70	0.401	0.029	0.16	< 2	27	9	0.27	< 20	1	< 2	< 10	539	< 10	10	3	
759316	1.67	0.370	0.020	0.23	< 2	26	14	0.27	< 20	3	< 2	< 10	594	< 10	8	3	
759317	1.72	0.411	0.019	0.20	2	26	14	0.28	< 20	< 1	< 2	< 10	580	< 10	8	3	
759318	1.68	0.386	0.021	0.18	< 2	24	16	0.28	< 20	2	< 2	< 10	557	< 10	8	3	
759319	1.88	0.386	0.021	0.29	< 2	26	11	0.27	< 20	< 1	< 2	< 10	551	< 10	8	3	
759320	0.45	0.081	0.039	0.04	< 2	4	45	0.12	< 20	2	< 2	< 10	27	< 10	10	6	
759321	1.81	0.361	0.023	0.34	< 2	24	9	0.22	< 20	< 1	< 2	< 10	452	< 10	8	3	
759322	1.90	0.398	0.019	0.13	< 2	26	10	0.29	< 20	3	< 2	< 10	515	< 10	9	3	
759323	1.87	0.340	0.028	0.20	< 2	23	8	0.25	< 20	2	< 2	< 10	426	< 10	10	3	
759324	1.84	0.406	0.018	0.13	2	26	18	0.33	< 20	2	< 2	< 10	580	< 10	9	3	
759325	1.79	0.387	0.018	0.13	2	25	18	0.33	< 20	4	2	< 10	575	< 10	8	3	
759326	1.92	0.402	0.018	0.13	< 2	26	16	0.32	< 20	5	< 2	< 10	657	< 10	9	3	
759327	1.98	0.397	0.019	0.19	< 2	26	12	0.29	< 20	4	< 2	< 10	622	< 10	8	3	
759328	2.08	0.427	0.017	0.12	< 2	27	12	0.31	< 20	< 1	3	< 10	555	< 10	9	3	
759329	1.87	0.353	0.020	0.11	< 2	22	13	0.29	< 20	4	< 2	< 10	460	< 10	7	3	
759330	1.77	0.418	0.034	0.11	8	5	100	0.11	< 20	1	< 2	< 10	73	< 10	9	4	3.78
759331	1.78	0.332	0.020	0.07	< 2	21	20	0.23	< 20	3	< 2	< 10	217	< 10	7	2	
759332	1.65	0.232	0.020	0.08	< 2	18	14	0.20	< 20	2	< 2	< 10	110	< 10	7	2	
759333	1.56	0.243	0.019	0.05	< 2	17	19	0.25	< 20	4	< 2	< 10	104	< 10	7	2	
759334	1.61	0.294	0.018	0.07	< 2	20	20	0.25	< 20	3	< 2	< 10	115	< 10	8	2	
759335	1.89	0.322	0.020	0.08	< 2	18	27	0.24	< 20	< 1	< 2	< 10	109	< 10	7	2	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	72	1050	< 1	25	94	123	6.94	224	< 10	713	0.9	2	0.13	13	83	5.66	20	3	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1020	1	25	91	120	6.63	209	< 10	680	0.9	< 2	0.13	14	80	5.35	20	1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	70	1060	< 1	24	94	125	6.98	236	< 10	717	0.9	< 2	0.13	13	83	5.77	20	3	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2300	766	< 1	38	59	256	2.84	6		75	0.8	5	0.42	20	47	5.10	< 10		0.52	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	739	< 1	36	52	250	2.70	6		71	0.8	9	0.41	20	46	4.81	< 10		0.50	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	764	< 1	33	58	258	2.78	5		73	0.7	9	0.40	19	46	5.16	< 10		0.46	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4360	851	< 1	33	75	329	2.80	7		56	0.7	19	0.41	22	43	5.79	< 10		0.43	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4460	853	< 1	33	79	325	2.80	8		54	0.7	23	0.41	22	43	5.82	< 10		0.42	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.2	< 0.5	4470	881	< 1	34	85	335	2.88	8		54	0.7	21	0.40	22	44	6.06	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.4		> 10000				85	406						58		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.3		> 10000				86	419						45		47						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		69.2	287	3680	539	14	27	> 5000	> 10000	1.74	77			0.6	3	1.69	31	35	3.27	10	4	0.40	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.4	286	3650	530	12	26	> 5000	> 10000	1.71	75			0.6	5	1.65	31	32	3.25	10	4	0.39	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua		62.8	274	3380	513	10	23	> 5000	> 10000	1.60	72			0.5	4	1.56	30	28	3.17	< 10	4	0.34	18

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				352	170	< 1	233	9	26	7.17			136	1.0	< 2	0.07	38	366	14.7	20	< 1	0.10	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3010																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	519																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	518																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	516																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
759207 Orig	18																						
759207 Dup	14																						
759211 Orig		< 0.2	< 0.5	98	618	< 1	77	3	136	3.30	< 2	< 10	15	< 0.5	< 2	3.07	28	122	4.47	< 10	2	0.07	< 10
759211 Dup		< 0.2	< 0.5	101	630	< 1	76	3	140	3.37	< 2	< 10	14	< 0.5	< 2	3.09	26	125	4.63	< 10	2	0.07	< 10
759217 Orig	7																						
759217 Dup	6																						
759221 Orig	5																						
759221 Dup	< 5																						
759225 Orig		< 0.2	< 0.5	68	848	< 1	58	< 2	100	2.05	< 2	< 10	328	< 0.5	< 2	1.81	18	131	2.88	< 10	< 1	0.93	29
759225 Dup		< 0.2	< 0.5	67	831	< 1	58	2	99	2.00	< 2	< 10	316	< 0.5	< 2	1.79	19	129	2.81	< 10	< 1	0.92	28

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759238 Orig		< 0.2	< 0.5	50	883	< 1	39	7	129	2.55	< 2	< 10	127	< 0.5	< 2	1.35	16	90	3.93	< 10	1	0.29	22
759238 Dup		< 0.2	0.8	49	853	< 1	40	6	127	2.45	< 2	< 10	120	< 0.5	< 2	1.34	16	88	3.84	< 10	2	0.29	22
759242 Orig	< 5																						
759242 Dup	< 5																						
759248 Orig	< 5	< 0.2	< 0.5	14	727	< 1	46	17	95	3.14	< 2	< 10	31	< 0.5	< 2	0.80	16	107	3.99	10	< 1	0.14	23
759248 Split PREP DUP	< 5	< 0.2	< 0.5	15	731	< 1	47	25	99	3.20	3	< 10	29	< 0.5	< 2	0.79	17	111	4.15	10	2	0.13	23
759251 Orig	6	< 0.2	< 0.5	116	940	< 1	62	20	229	3.97	2	< 10	36	< 0.5	< 2	1.62	23	105	6.14	10	2	0.14	17
759251 Dup	< 5	< 0.2	< 0.5	110	922	< 1	62	21	225	3.88	2	< 10	35	< 0.5	< 2	1.59	23	104	5.99	10	2	0.14	16
759255 Orig	< 5																						
759255 Dup	< 5																						
759274 Orig		< 0.2	< 0.5	13	421	< 1	8	< 2	12	3.03	13	11	13	< 0.5	< 2	4.58	52	11	5.18	20	2	0.01	22
759274 Dup		< 0.2	< 0.5	13	425	< 1	8	< 2	12	3.03	13	11	12	< 0.5	< 2	4.55	52	11	5.24	10	1	0.01	23
759276 Orig	232																						
759276 Dup	214																						
759286 Orig	< 5																						
759286 Dup	< 5																						
759288 Orig		< 0.2	< 0.5	14	803	< 1	2	< 2	39	2.22	< 2	< 10	15	< 0.5	3	3.39	21	3	7.41	10	2	0.12	< 10
759288 Dup		< 0.2	< 0.5	14	835	< 1	3	< 2	39	2.36	< 2	< 10	16	< 0.5	< 2	3.32	20	3	7.91	10	1	0.13	< 10
759289 Orig	< 5																						
759289 Dup	< 5																						
759298 Orig	5	< 0.2	< 0.5	42	797	< 1	3	< 2	58	2.50	< 2	< 10	< 10	< 0.5	< 2	3.15	39	1	7.56	< 10	2	0.10	< 10
759298 Split PREP DUP	< 5	< 0.2	< 0.5	45	842	< 1	3	< 2	62	2.69	< 2	< 10	10	< 0.5	< 2	3.28	41	1	8.15	10	< 1	0.10	< 10
759300 Orig		< 0.2	< 0.5	19	627	4	11	< 2	35	1.21	< 2	< 10	61	< 0.5	< 2	1.07	5	27	2.51	< 10	< 1	0.10	< 10
759300 Dup		< 0.2	< 0.5	20	627	4	11	2	35	1.20	< 2	< 10	61	< 0.5	< 2	1.06	6	26	2.50	< 10	< 1	0.10	< 10
759309 Orig	< 5																						
759309 Dup	< 5																						
759314 Orig		< 0.2	< 0.5	60	763	< 1	8	< 2	53	2.04	< 2	< 10	< 10	< 0.5	< 2	2.84	52	< 1	7.89	< 10	2	0.08	< 10
759314 Dup		< 0.2	< 0.5	60	780	< 1	10	< 2	53	2.12	< 2	< 10	< 10	< 0.5	< 2	2.84	52	< 1	8.27	< 10	1	0.09	< 10
759319 Orig	14																						
759319 Dup	14																						
759324 Orig	15																						
759324 Dup	14																						
759330 Orig		18.9	0.8	341	539	6	192	206	126	3.43	10	< 10	88	< 0.5	< 2	2.65	21	186	3.38	< 10	< 1	0.21	12
759330 Dup		20.3	1.1	347	554	6	195	219	130	3.49	10	< 10	89	< 0.5	< 2	2.70	21	189	3.45	< 10	2	0.21	12
759335 Orig	62	< 0.2	< 0.5	153	468	< 1	57	< 2	24	2.68	< 2	< 10	37	< 0.5	< 2	2.88	22	96	3.15	< 10	< 1	0.15	< 10
759335 Split PREP DUP	51	< 0.2	< 0.5	149	470	< 1	57	< 2	23	2.62	< 2	< 10	34	< 0.5	< 2	2.84	22	95	3.15	< 10	< 1	0.14	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																							



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
GXR-6 Meas	0.39	0.131	0.034	0.01	3	22	30		< 20	< 1	< 2	< 10	171	< 10	5	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.37	0.119	0.034	0.01	3	22	29		< 20	2	< 2	< 10	165	< 10	5	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.39	0.126	0.034	0.01	2	21	31		< 20	< 1	< 2	< 10	174	< 10	5	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
OREAS 922 (AQUA REGIA) Meas	1.32	0.031	0.063	0.37	2	4	16		< 20		< 2	< 10	36	< 10	20	11	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.25	0.030	0.063	0.35	2	4	16		< 20		< 2	< 10	35	< 10	19	11	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.30	0.029	0.063	0.37	< 2	4	16		< 20		< 2	< 10	36	< 10	19	19	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.35		0.059	0.65	3	4	14		< 20		< 2	< 10	35	< 10	18	18	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.36		0.060	0.66	< 2	4	14		< 20		< 2	< 10	35	< 10	18	22	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.41		0.061	0.68	3	4	15		< 20		< 2	< 10	36	< 10	18	22	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas				3.96	5												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 96 (Aqua Regia) Meas				4.08	6												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 621 (Aqua Regia) Meas	0.42	0.178	0.032	4.58	90	3	18		< 20		< 2	< 10	13	< 10	7	35	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.42	0.176	0.032	4.49	88	3	17		< 20		< 2	< 10	13	< 10	7	40	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Oreas 621 (Aqua Regia) Meas	0.41	0.163	0.030	4.14	76	2	17		< 20			< 2	< 10	12	< 10	7	39
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
OREAS 229b (Fire Assay) Meas																	11.7
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.18	0.050	0.020	0.02		29	15	0.10	< 20			< 2	< 10	210		5	13
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
OREAS 297 (Fire Assay) Meas																	17.8
OREAS 297 (Fire Assay) Cert																	17.8
759207 Orig																	
759207 Dup																	
759211 Orig	2.06	0.363	0.034	0.09	< 2	18	36	0.23	< 20	2	< 2	< 10	141	< 10	10	2	
759211 Dup	2.11	0.371	0.034	0.10	< 2	18	37	0.23	< 20	< 1	< 2	< 10	143	< 10	11	2	
759217 Orig																	
759217 Dup																	
759221 Orig																	
759221 Dup																	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759225 Orig	2.10	0.162	0.072	0.18	< 2	9	61	0.15	< 20	2	< 2	< 10	80	< 10	7	3	
759225 Dup	2.06	0.159	0.070	0.18	< 2	9	59	0.15	< 20	< 1	< 2	< 10	78	< 10	7	4	
759238 Orig	1.86	0.241	0.053	0.39	< 2	7	51	0.12	< 20	4	< 2	< 10	72	< 10	6	4	
759238 Dup	1.82	0.229	0.053	0.39	< 2	7	48	0.12	< 20	4	< 2	< 10	70	< 10	6	4	
759242 Orig																	
759242 Dup																	
759248 Orig	2.69	0.101	0.058	0.06	< 2	9	21	0.14	< 20	< 1	< 2	< 10	81	< 10	6	2	
759248 Split PREP DUP	2.78	0.089	0.060	0.07	< 2	9	19	0.13	< 20	< 1	< 2	< 10	82	< 10	7	4	
759251 Orig	3.36	0.084	0.045	0.11	< 2	13	32	0.16	< 20	< 1	< 2	< 10	109	< 10	7	7	
759251 Dup	3.30	0.080	0.044	0.11	< 2	12	32	0.15	< 20	1	< 2	< 10	106	< 10	7	6	
759255 Orig																	
759255 Dup																	
759274 Orig	1.46	0.020	0.071	0.52	2	14	270	0.51	< 20	6	< 2	< 10	77	< 10	28	10	
759274 Dup	1.48	0.019	0.071	0.53	3	14	269	0.50	< 20	4	< 2	< 10	76	< 10	28	9	
759276 Orig																	
759276 Dup																	
759286 Orig																	
759286 Dup																	
759288 Orig	0.87	0.346	0.084	0.15	3	23	29	0.22	< 20	3	< 2	< 10	10	< 10	32	9	
759288 Dup	0.92	0.373	0.083	0.16	3	24	31	0.23	< 20	5	< 2	< 10	11	< 10	33	10	
759289 Orig																	
759289 Dup																	
759298 Orig	1.37	0.375	0.037	0.24	3	29	13	0.26	< 20	< 1	< 2	< 10	195	< 10	14	4	
759298 Split PREP DUP	1.47	0.409	0.040	0.24	4	31	14	0.27	< 20	< 1	< 2	< 10	209	< 10	15	4	
759300 Orig	0.46	0.083	0.038	0.04	3	4	46	0.11	< 20	1	< 2	< 10	27	< 10	10	6	
759300 Dup	0.46	0.081	0.038	0.04	< 2	4	46	0.12	< 20	2	< 2	< 10	27	< 10	10	6	
759309 Orig																	
759309 Dup																	
759314 Orig	1.56	0.382	0.022	0.32	2	28	10	0.29	< 20	3	< 2	< 10	558	< 10	8	4	
759314 Dup	1.61	0.402	0.022	0.32	3	28	10	0.28	< 20	6	< 2	< 10	575	< 10	9	4	
759319 Orig																	
759319 Dup																	
759324 Orig																	
759324 Dup																	
759330 Orig	1.74	0.413	0.033	0.11	6	5	100	0.11	< 20	1	< 2	< 10	72	< 10	9	4	
759330 Dup	1.79	0.423	0.034	0.11	10	5	101	0.11	< 20	2	< 2	< 10	74	< 10	9	4	
759335 Orig	1.89	0.322	0.020	0.08	< 2	18	27	0.24	< 20	< 1	< 2	< 10	109	< 10	7	2	
759335 Split PREP DUP	1.89	0.318	0.019	0.07	< 2	18	26	0.23	< 20	3	< 2	< 10	107	< 10	7	2	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.03



Report No.: A21-05523
Report Date: 18-May-21
Date Submitted: 05-Apr-21
Your Reference: Kas Lake Gold (Pickle Lake)

Ardiden Canada Ltd.
684 Squire St.
Thunder Bay ON
Canada

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

126 Core samples were submitted for analysis.

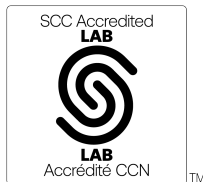
Table with 3 columns: Analytical package(s) requested, Testing Date, and details for samples 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A21-05523

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3
Values which exceed the upper limit should be assayed for accurate numbers.



LabID: 673

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CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

## Results

## Activation Laboratories Ltd.

## Report: A21-05523

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759336	< 5	< 0.2	< 0.5	62	487	< 1	102	< 2	30	5.54	< 2	< 10	27	< 0.5	< 2	3.62	28	34	4.14	< 10	2	0.11	< 10
759337	< 5	< 0.2	< 0.5	53	610	< 1	125	< 2	27	4.64	< 2	< 10	23	< 0.5	< 2	5.55	30	36	5.86	< 10	1	0.13	< 10
759338	< 5	< 0.2	< 0.5	60	478	< 1	133	2	29	4.64	< 2	< 10	27	< 0.5	< 2	2.74	31	41	4.10	< 10	2	0.14	< 10
759339	< 5	< 0.2	< 0.5	88	454	< 1	132	< 2	24	4.83	< 2	< 10	26	< 0.5	< 2	3.05	28	45	3.87	< 10	2	0.13	< 10
759340	< 5	< 0.2	< 0.5	20	619	4	12	2	35	1.18	< 2	< 10	60	< 0.5	< 2	1.08	5	26	2.45	< 10	< 1	0.10	< 10
759341	6	< 0.2	< 0.5	91	406	< 1	119	< 2	23	4.38	< 2	< 10	24	< 0.5	< 2	2.70	26	44	3.33	< 10	1	0.11	< 10
759342	7	< 0.2	< 0.5	195	367	< 1	144	< 2	23	4.60	< 2	< 10	12	< 0.5	< 2	2.69	30	29	3.54	< 10	1	0.08	< 10
759343	7	< 0.2	< 0.5	263	470	< 1	164	< 2	25	3.99	< 2	< 10	16	< 0.5	< 2	2.42	37	37	4.31	< 10	2	0.08	< 10
759344	10	< 0.2	< 0.5	176	447	< 1	114	< 2	36	3.26	< 2	< 10	29	< 0.5	< 2	2.88	35	43	5.18	< 10	2	0.12	< 10
759345	10	< 0.2	< 0.5	183	459	< 1	114	< 2	36	3.25	< 2	< 10	30	< 0.5	< 2	2.88	35	43	5.14	< 10	2	0.12	< 10
759346	9	< 0.2	< 0.5	134	492	< 1	67	< 2	38	3.27	3	< 10	27	< 0.5	< 2	3.01	28	49	5.26	< 10	1	0.12	< 10
759347	8	0.3	< 0.5	133	331	< 1	26	2	23	2.04	< 2	< 10	21	< 0.5	< 2	2.66	17	37	7.80	< 10	1	0.15	< 10
759348	6	0.3	0.9	78	493	1	51	< 2	224	2.86	< 2	< 10	17	< 0.5	< 2	2.71	20	97	5.65	< 10	1	0.12	< 10
759349	< 5	< 0.2	1.0	70	485	< 1	63	< 2	260	2.70	< 2	< 10	14	< 0.5	< 2	2.06	22	110	3.78	< 10	2	0.08	< 10
759350	> 5000	0.8	< 0.5	51	375	6	29	89	61	1.31	5970	< 10	31	< 0.5	< 2	1.71	10	49	9.14	< 10	< 1	0.21	< 10
759351	5	0.2	4.4	195	891	< 1	73	3	1460	2.95	4	< 10	20	< 0.5	< 2	3.86	41	105	5.11	< 10	1	0.15	< 10
759352	5	< 0.2	< 0.5	128	858	< 1	77	< 2	81	3.11	< 2	< 10	< 10	< 0.5	< 2	4.40	30	119	5.42	< 10	< 1	0.14	< 10
759353	5	< 0.2	< 0.5	158	806	< 1	84	< 2	43	3.07	3	< 10	17	< 0.5	< 2	2.39	35	132	5.52	< 10	3	0.12	< 10
759354	5	< 0.2	< 0.5	96	756	< 1	81	< 2	35	3.32	2	20	13	< 0.5	< 2	2.73	30	155	5.77	< 10	2	0.10	< 10
759355	5	< 0.2	< 0.5	41	676	< 1	71	< 2	36	3.10	< 2	21	17	< 0.5	< 2	2.89	25	132	5.01	< 10	< 1	0.09	< 10
759356	< 5	< 0.2	< 0.5	90	854	< 1	73	< 2	36	2.71	< 2	< 10	12	< 0.5	< 2	4.24	25	134	4.96	< 10	2	0.06	< 10
759357	5	< 0.2	< 0.5	31	901	< 1	99	< 2	48	3.22	< 2	14	13	< 0.5	3	2.55	53	156	6.49	< 10	2	0.06	< 10
759358	< 5	< 0.2	< 0.5	52	899	< 1	120	3	53	3.22	< 2	12	12	< 0.5	< 2	2.48	40	151	6.50	< 10	2	0.07	< 10
759359	10	< 0.2	< 0.5	81	543	< 1	64	< 2	40	2.00	< 2	< 10	38	< 0.5	< 2	2.96	22	172	2.83	< 10	< 1	0.13	36
759360	< 5	< 0.2	< 0.5	20	608	4	12	< 2	34	1.16	2	< 10	58	< 0.5	< 2	1.08	5	26	2.40	< 10	< 1	0.10	< 10
759361	5	< 0.2	< 0.5	61	478	< 1	40	< 2	55	1.77	< 2	< 10	199	< 0.5	< 2	1.13	15	104	2.22	< 10	< 1	0.57	39
759362	< 5	< 0.2	< 0.5	22	674	< 1	43	< 2	43	2.16	< 2	< 10	106	< 0.5	< 2	2.43	15	78	2.56	< 10	< 1	0.36	26
759363	< 5	< 0.2	< 0.5	34	741	< 1	37	4	71	2.35	< 2	< 10	142	< 0.5	< 2	1.74	13	86	2.95	< 10	< 1	0.38	24
759364	6	< 0.2	0.5	76	707	< 1	42	7	209	2.21	< 2	< 10	98	< 0.5	< 2	1.00	16	90	3.15	< 10	< 1	0.59	22
759365	< 5	< 0.2	< 0.5	22	614	< 1	32	< 2	39	2.01	3	< 10	181	< 0.5	< 2	0.92	13	88	2.46	< 10	< 1	0.43	20
759366	< 5	< 0.2	< 0.5	25	639	< 1	36	< 2	37	1.95	< 2	< 10	121	< 0.5	< 2	0.94	13	87	2.60	< 10	< 1	0.31	21
759367	< 5	< 0.2	< 0.5	54	689	< 1	42	7	89	1.96	< 2	< 10	154	< 0.5	< 2	0.94	15	82	3.10	< 10	< 1	0.56	20
759368	< 5	< 0.2	< 0.5	36	737	< 1	39	4	55	2.01	< 2	< 10	91	< 0.5	< 2	1.38	14	78	3.09	< 10	< 1	0.50	23
759369	< 5	0.2	0.8	122	999	< 1	40	11	298	2.66	< 2	< 10	59	< 0.5	< 2	0.80	19	80	4.36	< 10	2	0.54	17
759370	1170	92.2	9.4	989	920	12	11	4340	1030	1.84	29	15	52	< 0.5	< 2	3.32	19	21	3.63	< 10	< 1	0.17	< 10
759371	< 5	0.2	< 0.5	92	763	2	41	3	148	2.56	< 2	< 10	106	< 0.5	< 2	1.61	16	82	3.11	< 10	< 1	0.32	18
759372	< 5	< 0.2	< 0.5	84	660	< 1	44	3	125	2.19	< 2	< 10	86	< 0.5	< 2	1.41	18	88	3.01	< 10	< 1	0.22	18
759373	6	< 0.2	< 0.5	68	499	< 1	38	< 2	77	1.67	< 2	< 10	152	< 0.5	< 2	1.05	18	105	2.52	< 10	< 1	0.44	17
759374	< 5	< 0.2	0.9	76	390	< 1	34	< 2	282	1.36	< 2	< 10	180	< 0.5	< 2	0.63	15	76	2.26	< 10	< 1	0.51	21
759375	5	< 0.2	1.1	70	387	< 1	34	2	352	1.35	< 2	< 10	181	< 0.5	< 2	0.63	14	76	2.21	< 10	< 1	0.51	21
759376	5	< 0.2	0.7	67	587	< 1	31	3	220	1.95	< 2	< 10	103	< 0.5	< 2	0.50	16	56	3.16	< 10	< 1	0.27	15
759377	6	< 0.2	1.2	98	735	< 1	36	< 2	334	2.83	< 2	< 10	33	< 0.5	< 2	0.60	19	54	4.09	10	2	0.09	16
759378	6	< 0.2	0.9	80	472	< 1	47	6	286	2.34	< 2	< 10	59	< 0.5	< 2	0.84	20	87	3.36	< 10	< 1	0.19	22
759379	6	< 0.2	< 0.5	43	602	2	38	5	136	2.99	< 2	< 10	76	< 0.5	< 2	1.11	15	73	3.50	< 10	2	0.33	21
759380	< 5	< 0.2	< 0.5	20	605	4	11	2	34	1.11	2	< 10	57	< 0.5	< 2	1.05	5	25	2.33	< 10	< 1	0.10	< 10
759381	< 5	< 0.2	< 0.5	29	665	< 1	41	< 2	87	2.46	< 2	< 10	84	< 0.5	< 2	0.58	14	90	3.27	< 10	< 1	0.36	23
759382	7	< 0.2	< 0.5	81	647	< 1	36	< 2	137	2.59	< 2	< 10	69	< 0.5	< 2	0.51	16	73	3.73	10	< 1	0.28	18
759383	7	< 0.2	< 0.5	66	555	< 1	52	2	103	2.73	< 2	< 10	80	< 0.5	< 2	1.27	21	84	3.78	< 10	1	0.23	16
759384	< 5	< 0.2	< 0.5	9	439	< 1	15	< 2	54	2.89	< 2	16	101	< 0.5	< 2	0.29	16	20	3.71	< 10	1	0.34	< 10
759385	157	< 0.2	< 0.5	118	647	< 1	20	< 2	50	1.85	< 2	< 10	59	< 0.5	< 2	2.87	28	4	5.45	< 10	1	0.26	< 10
759386	1550	0.4	< 0.5	32	597	< 1	2	2	45	1.46	< 2	< 10	< 10	< 0.5	< 2	2.69	30	4	7.24	10	2	0.02	< 10

## Results

## Activation Laboratories Ltd.

## Report: A21-05523

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759387	> 5000	0.8	< 0.5	23	696	< 1	2	3	52	1.31	3	< 10	23	< 0.5	< 2	3.52	24	6	7.40	10	< 1	0.04	< 10
759388	1000	0.3	< 0.5	7	625	< 1	2	2	66	1.52	7	< 10	15	< 0.5	< 2	2.32	19	4	8.05	20	3	0.05	11
759389	1370	0.2	< 0.5	12	507	< 1	2	3	61	0.98	4	< 10	55	< 0.5	< 2	2.04	10	5	6.62	10	2	0.05	14
759390	4020	18.4	1.0	336	537	6	192	202	123	3.43	11	< 10	87	< 0.5	< 2	2.66	21	187	3.30	< 10	2	0.21	11
759391	140	< 0.2	< 0.5	14	748	< 1	1	< 2	79	1.30	10	< 10	< 10	< 0.5	< 2	2.28	14	6	7.02	10	2	0.02	11
759392	650	< 0.2	< 0.5	15	839	< 1	2	< 2	94	1.70	17	< 10	12	< 0.5	< 2	3.04	17	6	7.27	10	< 1	0.03	< 10
759393	42	< 0.2	< 0.5	9	744	1	2	< 2	87	1.71	< 2	< 10	13	0.5	< 2	2.15	15	7	7.42	10	1	0.03	11
759394	< 5	< 0.2	< 0.5	4	877	< 1	3	< 2	93	1.74	< 2	< 10	15	0.5	< 2	2.17	14	8	8.07	10	1	0.04	11
759395	519	< 0.2	< 0.5	5	766	1	2	< 2	92	1.88	16	< 10	12	< 0.5	< 2	2.48	17	4	8.15	10	3	0.04	< 10
759396	3750	0.6	< 0.5	14	606	2	2	3	62	1.06	62	< 10	13	< 0.5	< 2	2.23	18	7	6.87	10	2	0.03	< 10
759397	17	< 0.2	< 0.5	3	716	< 1	1	< 2	77	1.80	< 2	< 10	23	< 0.5	< 2	2.30	12	5	6.55	10	2	0.05	< 10
759398	26	< 0.2	< 0.5	2	758	< 1	2	< 2	63	1.65	< 2	< 10	45	< 0.5	< 2	2.47	11	5	6.95	10	1	0.05	11
759399	19	< 0.2	< 0.5	4	824	1	2	< 2	60	1.85	< 2	< 10	13	0.5	< 2	2.68	10	6	6.18	10	3	0.04	11
759400	< 5	< 0.2	< 0.5	19	621	4	12	< 2	34	1.20	3	< 10	60	< 0.5	< 2	1.09	4	26	2.42	< 10	< 1	0.11	< 10
759401	116	< 0.2	< 0.5	8	878	< 1	< 1	< 2	64	1.64	2	< 10	< 10	< 0.5	< 2	2.90	11	5	6.21	10	2	0.03	12
759402	1180	0.2	< 0.5	13	835	< 1	2	< 2	77	2.30	6	< 10	< 10	< 0.5	2	3.04	17	4	7.94	10	2	0.03	11
759403	2040	< 0.2	< 0.5	8	747	< 1	1	< 2	77	2.18	73	< 10	< 10	< 0.5	< 2	4.69	16	5	7.45	10	2	0.03	< 10
759404	196	< 0.2	< 0.5	12	850	< 1	1	< 2	36	1.64	91	< 10	< 10	< 0.5	< 2	5.41	15	5	5.71	< 10	< 1	0.04	< 10
759405	< 5	< 0.2	< 0.5	18	470	< 1	1	< 2	20	1.52	< 2	< 10	66	0.5	< 2	1.82	18	4	5.72	10	1	0.16	10
759406	< 5	< 0.2	< 0.5	1	488	< 1	< 1	< 2	17	1.19	< 2	< 10	15	< 0.5	< 2	3.46	11	5	3.77	< 10	< 1	0.10	11
759407	13	< 0.2	< 0.5	17	695	< 1	2	< 2	27	1.38	< 2	< 10	75	< 0.5	< 2	4.77	18	4	4.99	< 10	2	0.15	< 10
759408	< 5	< 0.2	< 0.5	22	557	< 1	2	< 2	22	1.44	< 2	< 10	14	< 0.5	< 2	2.82	21	4	4.91	< 10	2	0.08	< 10
759409	41	< 0.2	< 0.5	20	655	< 1	3	< 2	36	1.78	2	< 10	< 10	< 0.5	< 2	3.00	26	4	5.79	< 10	2	0.07	< 10
759410	> 5000	1.1	< 0.5	50	373	6	29	89	60	1.30	5740	< 10	38	< 0.5	< 2	1.74	11	48	8.91	< 10	< 1	0.22	< 10
759411	9	< 0.2	< 0.5	29	680	< 1	1	< 2	35	1.65	2	< 10	< 10	< 0.5	< 2	2.44	28	3	5.48	< 10	< 1	0.08	< 10
759412	16	< 0.2	< 0.5	41	654	< 1	2	< 2	31	1.65	< 2	< 10	< 10	< 0.5	< 2	3.33	23	4	5.49	< 10	1	0.08	< 10
759413	11	< 0.2	< 0.5	21	694	< 1	2	< 2	52	1.96	5	< 10	< 10	< 0.5	< 2	3.66	33	2	6.39	< 10	1	0.07	< 10
759414	19	< 0.2	< 0.5	15	865	< 1	2	< 2	74	2.62	< 2	< 10	28	< 0.5	< 2	4.45	33	3	7.48	10	2	0.11	< 10
759415	625	< 0.2	< 0.5	24	598	< 1	3	< 2	34	1.75	< 2	< 10	11	< 0.5	< 2	2.80	30	4	5.61	< 10	1	0.05	< 10
759416	107	< 0.2	< 0.5	37	661	< 1	5	< 2	31	1.85	< 2	< 10	27	< 0.5	< 2	3.94	35	4	6.13	< 10	3	0.10	< 10
759417	24	< 0.2	< 0.5	43	597	< 1	7	< 2	57	1.93	3	< 10	66	< 0.5	< 2	2.48	66	2	6.49	< 10	< 1	0.13	< 10
759418	13	< 0.2	< 0.5	16	613	< 1	5	< 2	34	1.88	2	< 10	11	< 0.5	< 2	4.07	33	2	5.81	< 10	3	0.06	< 10
759419	< 5	< 0.2	< 0.5	15	618	< 1	4	< 2	41	1.91	< 2	< 10	< 10	< 0.5	< 2	2.65	31	2	5.63	< 10	2	0.06	< 10
759420	< 5	< 0.2	< 0.5	19	611	4	11	< 2	33	1.19	< 2	< 10	60	< 0.5	< 2	1.08	6	26	2.42	< 10	< 1	0.11	< 10
759421	19	< 0.2	< 0.5	34	623	< 1	8	< 2	28	2.09	< 2	< 10	12	< 0.5	< 2	2.87	30	5	5.85	< 10	1	0.07	< 10
759422	25	< 0.2	< 0.5	69	600	< 1	5	< 2	22	1.38	< 2	< 10	11	< 0.5	< 2	2.67	28	3	5.25	< 10	1	0.05	< 10
759423	< 5	< 0.2	< 0.5	97	678	< 1	7	< 2	32	1.86	< 2	< 10	< 10	< 0.5	< 2	2.95	32	4	6.08	< 10	2	0.07	< 10
759424	< 5	< 0.2	< 0.5	51	548	< 1	7	< 2	32	1.48	< 2	< 10	< 10	< 0.5	< 2	2.31	31	3	5.67	< 10	2	0.05	< 10
759425	< 5	< 0.2	< 0.5	49	623	< 1	6	< 2	37	1.65	< 2	< 10	< 10	< 0.5	< 2	2.56	33	4	6.24	< 10	< 1	0.06	< 10
759426	17	< 0.2	< 0.5	27	687	< 1	7	< 2	36	1.73	< 2	< 10	< 10	< 0.5	< 2	3.61	31	3	5.43	< 10	< 1	0.05	< 10
759427	< 5	< 0.2	< 0.5	46	738	< 1	7	< 2	40	1.76	< 2	< 10	< 10	< 0.5	< 2	2.61	38	3	6.71	< 10	2	0.06	< 10
759428	72	0.2	< 0.5	97	518	< 1	5	3	25	1.41	< 2	< 10	< 10	< 0.5	< 2	2.94	40	4	5.90	< 10	1	0.04	< 10
759429	5	< 0.2	< 0.5	71	728	< 1	9	< 2	46	1.75	< 2	< 10	< 10	< 0.5	< 2	2.32	47	2	7.12	< 10	2	0.06	< 10
759430	1140	84.0	8.8	955	898	13	11	4190	996	1.82	28	14	30	< 0.5	< 2	3.37	18	20	3.48	< 10	< 1	0.18	< 10
759431	< 5	< 0.2	< 0.5	90	625	< 1	7	2	40	1.68	< 2	< 10	< 10	< 0.5	< 2	2.06	49	2	6.76	< 10	1	0.05	< 10
759432	19	< 0.2	< 0.5	84	618	< 1	6	< 2	28	1.94	< 2	< 10	< 10	< 0.5	< 2	2.53	44	2	6.93	< 10	< 1	0.05	< 10
759433	< 5	< 0.2	< 0.5	68	657	< 1	6	< 2	39	1.49	< 2	< 10	< 10	< 0.5	< 2	2.08	37	2	6.61	< 10	< 1	0.05	< 10
759434	< 5	< 0.2	< 0.5	78	685	< 1	10	< 2	53	1.84	< 2	< 10	11	< 0.5	< 2	3.42	45	4	7.25	< 10	2	0.06	< 10
759435	< 5	< 0.2	< 0.5	91	657	< 1	11	< 2	56	1.59	< 2	< 10	< 10	< 0.5	< 2	2.21	48	2	6.08	< 10	< 1	0.05	< 10
759436	< 5	< 0.2	< 0.5	71	781	< 1	11	< 2	51	2.12	< 2	< 10	< 10	< 0.5	< 2	2.75	43	2	7.49	< 10	< 1	0.06	< 10
759437	< 5	< 0.2	< 0.5	94	674	< 1	9	< 2	42	1.82	< 2	< 10	< 10	< 0.5	< 2	2.15	48	2	6.83	< 10	2	0.05	< 10

## Results

## Activation Laboratories Ltd.

Report: A21-05523

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759438	< 5	< 0.2	< 0.5	76	686	< 1	8	< 2	35	1.57	< 2	< 10	< 10	< 0.5	< 2	2.08	41	2	6.73	< 10	3	0.05	< 10
759439	< 5	< 0.2	< 0.5	53	648	< 1	4	< 2	38	1.56	< 2	< 10	< 10	< 0.5	< 2	2.43	33	3	6.15	< 10	1	0.04	< 10
759440	< 5	< 0.2	< 0.5	19	620	4	11	2	34	1.17	< 2	< 10	59	< 0.5	< 2	1.10	5	25	2.35	< 10	< 1	0.11	< 10
759441	< 5	< 0.2	< 0.5	41	627	< 1	6	< 2	46	1.83	< 2	< 10	42	< 0.5	< 2	2.73	28	3	5.64	< 10	< 1	0.06	< 10
759442	6	< 0.2	< 0.5	129	611	< 1	8	2	46	1.74	< 2	15	17	< 0.5	< 2	2.67	48	2	6.53	< 10	1	0.05	< 10
759443	< 5	< 0.2	< 0.5	64	705	< 1	12	< 2	47	1.92	< 2	< 10	< 10	< 0.5	< 2	2.48	45	1	7.07	< 10	2	0.05	< 10
759444	< 5	< 0.2	< 0.5	60	751	< 1	7	< 2	51	2.34	< 2	< 10	< 10	< 0.5	< 2	2.73	47	1	8.16	< 10	2	0.06	< 10
759445	< 5	< 0.2	< 0.5	58	795	< 1	8	< 2	53	2.43	< 2	< 10	< 10	< 0.5	< 2	2.83	47	1	8.46	< 10	2	0.06	< 10
759446	< 5	< 0.2	< 0.5	119	663	< 1	7	< 2	51	1.98	3	< 10	34	< 0.5	< 2	3.59	59	< 1	7.66	< 10	1	0.06	< 10
759447	< 5	< 0.2	< 0.5	60	706	< 1	7	< 2	56	1.91	< 2	< 10	< 10	< 0.5	< 2	2.77	49	< 1	7.30	< 10	1	0.05	< 10
759448	< 5	< 0.2	< 0.5	61	692	< 1	10	< 2	51	2.02	< 2	< 10	< 10	< 0.5	< 2	2.69	50	1	7.46	< 10	2	0.05	< 10
759449	< 5	< 0.2	< 0.5	116	714	< 1	12	< 2	60	2.44	< 2	< 10	< 10	< 0.5	< 2	2.97	44	1	7.26	< 10	2	0.06	< 10
759450	3870	18.9	1.2	325	558	5	187	206	126	3.63	9	< 10	91	< 0.5	< 2	2.66	20	195	3.49	< 10	1	0.21	12
759451	11	< 0.2	< 0.5	203	619	< 1	16	< 2	47	1.82	< 2	< 10	< 10	< 0.5	< 2	2.80	35	3	5.81	< 10	3	0.05	< 10
759452	7	< 0.2	< 0.5	118	598	< 1	23	< 2	53	1.90	< 2	< 10	13	< 0.5	< 2	2.59	33	1	5.83	< 10	3	0.06	< 10
759453	10	0.2	< 0.5	216	1040	2	37	< 2	35	1.16	< 2	26	36	< 0.5	< 2	5.25	40	3	5.97	< 10	2	0.05	15
759454	12	< 0.2	< 0.5	71	634	< 1	41	< 2	35	1.70	< 2	< 10	105	< 0.5	< 2	3.87	25	32	3.71	< 10	< 1	0.54	< 10
759455	16	< 0.2	< 0.5	80	438	< 1	48	< 2	19	1.02	< 2	< 10	23	< 0.5	< 2	3.25	20	50	2.40	< 10	< 1	0.13	< 10
759456	256	< 0.2	< 0.5	180	377	2	90	3	20	1.98	< 2	16	< 10	< 0.5	< 2	3.73	21	168	2.06	< 10	< 1	0.03	< 10
759457	42	< 0.2	< 0.5	58	335	< 1	58	< 2	17	2.25	< 2	< 10	< 10	< 0.5	< 2	3.53	15	190	1.68	< 10	< 1	0.03	< 10
759458	9	< 0.2	< 0.5	118	346	< 1	55	< 2	19	3.88	< 2	< 10	24	< 0.5	< 2	4.24	17	205	2.08	< 10	< 1	0.14	< 10
759459	101	< 0.2	< 0.5	108	475	< 1	145	2	34	3.42	< 2	< 10	83	< 0.5	< 2	3.83	37	374	3.37	< 10	1	0.51	< 10
759460	< 5	< 0.2	< 0.5	20	611	4	11	< 2	33	1.15	< 2	< 10	59	< 0.5	< 2	1.11	5	25	2.34	< 10	< 1	0.11	< 10
759461	11	< 0.2	< 0.5	94	273	< 1	30	4	15	3.62	< 2	< 10	< 10	< 0.5	< 2	3.63	9	146	1.52	< 10	< 1	0.03	< 10



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759336	2.71	0.580	0.003	0.02	2	8	87	0.08	<20	2	<2	<10	65	<10	3	1	
759337	3.54	0.165	0.005	0.06	<2	10	37	0.08	<20	<1	<2	<10	79	<10	4	2	
759338	3.03	0.281	0.010	0.02	2	7	48	0.10	<20	2	<2	<10	65	<10	3	1	
759339	2.85	0.392	0.014	0.05	<2	7	53	0.10	<20	<1	<2	<10	64	<10	4	1	
759340	0.45	0.080	0.039	0.04	<2	4	45	0.11	<20	4	<2	<10	27	<10	10	5	
759341	2.60	0.469	0.014	0.01	<2	6	60	0.10	<20	3	<2	<10	55	<10	3	1	
759342	2.70	0.583	0.016	0.04	<2	6	70	0.08	<20	<1	<2	<10	50	<10	3	1	
759343	3.14	0.199	0.014	0.05	<2	7	64	0.11	<20	<1	<2	<10	67	<10	4	1	
759344	2.62	0.285	0.023	0.08	<2	12	28	0.14	<20	<1	<2	<10	108	<10	7	2	
759345	2.62	0.292	0.023	0.09	<2	12	28	0.14	<20	<1	<2	<10	108	<10	7	2	
759346	2.03	0.257	0.028	0.02	2	13	33	0.17	<20	4	<2	<10	126	<10	8	2	
759347	1.31	0.173	0.059	0.22	2	10	30	0.11	<20	3	<2	<10	91	<10	8	3	
759348	2.27	0.157	0.038	0.35	3	10	17	0.12	<20	1	<2	<10	92	<10	7	3	
759349	2.39	0.177	0.025	0.03	<2	12	20	0.19	<20	3	<2	<10	104	<10	7	2	
759350	0.75	0.031	0.046	1.24	4	3	107	0.02	<20	<1	<2	<10	28	16	3	16	5.98
759351	1.77	0.238	0.028	0.57	<2	15	50	0.20	<20	3	<2	<10	127	<10	9	3	
759352	2.08	0.205	0.029	0.08	<2	19	30	0.19	<20	<1	<2	<10	140	<10	10	2	
759353	2.39	0.104	0.032	0.26	2	14	56	0.22	<20	5	<2	<10	156	<10	9	4	
759354	2.62	0.052	0.028	0.07	<2	14	93	0.25	<20	3	<2	<10	175	<10	9	3	
759355	2.40	0.044	0.028	0.02	<2	14	145	0.31	<20	4	<2	<10	145	<10	10	3	
759356	2.00	0.035	0.028	<0.01	<2	15	150	0.28	<20	4	<2	<10	137	<10	9	3	
759357	2.64	0.038	0.027	0.24	2	13	68	0.23	<20	<1	<2	<10	155	<10	7	4	
759358	2.67	0.035	0.025	0.09	<2	13	68	0.25	<20	3	<2	<10	168	<10	8	3	
759359	1.78	0.076	0.114	0.15	<2	11	94	0.28	<20	2	<2	<10	98	<10	8	9	
759360	0.44	0.078	0.039	0.04	<2	4	44	0.12	<20	<1	<2	<10	26	<10	10	6	
759361	1.73	0.113	0.098	<0.01	<2	7	33	0.20	<20	4	<2	<10	78	<10	6	6	
759362	1.90	0.062	0.067	0.06	<2	6	23	0.16	<20	2	<2	<10	52	<10	7	5	
759363	1.85	0.089	0.052	0.14	<2	7	25	0.19	<20	2	<2	<10	63	<10	6	4	
759364	2.09	0.092	0.054	0.46	<2	8	18	0.18	<20	2	<2	<10	66	<10	5	5	
759365	2.02	0.084	0.053	0.05	<2	7	12	0.17	<20	2	<2	<10	60	<10	5	3	
759366	1.92	0.085	0.056	0.06	<2	7	13	0.17	<20	2	<2	<10	66	<10	5	3	
759367	1.81	0.096	0.053	0.33	<2	7	14	0.14	<20	2	<2	<10	61	<10	5	4	
759368	1.71	0.133	0.054	0.46	<2	7	29	0.14	<20	2	<2	<10	60	<10	6	5	
759369	2.29	0.083	0.052	0.63	<2	8	19	0.13	<20	2	<2	<10	72	<10	5	7	
759370	1.39	0.134	0.103	0.98	42	7	152	0.10	<20	3	<2	<10	105	<10	8	4	
759371	2.04	0.145	0.059	0.23	<2	8	38	0.12	<20	1	<2	<10	67	<10	6	2	
759372	2.02	0.085	0.059	0.16	<2	7	22	0.09	<20	1	<2	<10	65	<10	6	2	
759373	1.66	0.132	0.067	0.06	<2	8	20	0.14	<20	<1	<2	<10	65	<10	5	3	
759374	1.17	0.163	0.060	0.19	<2	6	24	0.13	<20	<1	<2	<10	64	<10	5	3	
759375	1.17	0.166	0.060	0.18	<2	6	24	0.13	<20	3	<2	<10	64	<10	5	3	
759376	1.67	0.097	0.050	0.29	<2	7	16	0.12	<20	3	<2	<10	63	<10	5	4	
759377	2.32	0.120	0.049	0.28	<2	7	18	0.09	<20	2	<2	<10	66	<10	5	3	
759378	1.77	0.154	0.055	0.42	<2	7	33	0.12	<20	2	<2	<10	73	<10	5	3	
759379	2.28	0.194	0.052	0.19	<2	7	41	0.10	<20	<1	<2	<10	65	<10	6	2	
759380	0.43	0.073	0.039	0.04	<2	4	41	0.11	<20	2	<2	<10	25	<10	9	6	
759381	2.23	0.082	0.058	0.06	<2	8	15	0.09	<20	<1	<2	<10	71	<10	5	5	
759382	2.19	0.074	0.052	0.12	<2	8	11	0.10	<20	<1	<2	<10	70	<10	5	5	
759383	2.00	0.107	0.045	0.18	<2	10	36	0.15	<20	<1	<2	<10	80	<10	6	4	
759384	2.19	0.056	0.038	0.01	3	5	7	0.09	<20	2	<2	<10	33	<10	3	4	
759385	1.22	0.277	0.048	0.14	<2	24	19	0.24	<20	4	<2	<10	296	<10	15	5	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759386	0.67	0.208	0.099	1.35	< 2	19	16	0.16	< 20	2	< 2	< 10	66	< 10	27	10	
759387	0.55	0.151	0.108	2.22	3	16	25	0.17	< 20	4	< 2	< 10	23	< 10	30	11	5.25
759388	0.60	0.161	0.119	0.67	3	18	14	0.18	< 20	2	< 2	< 10	19	< 10	35	10	
759389	0.34	0.142	0.149	0.63	< 2	12	13	0.16	< 20	2	< 2	< 10	6	< 10	38	10	
759390	1.74	0.424	0.033	0.11	7	5	101	0.11	< 20	< 1	< 2	< 10	71	< 10	9	4	3.81
759391	0.37	0.185	0.120	0.14	2	19	13	0.17	< 20	2	< 2	< 10	2	< 10	37	9	
759392	0.50	0.236	0.103	0.45	3	19	18	0.17	< 20	2	< 2	< 10	8	< 10	33	10	
759393	0.45	0.233	0.113	0.12	< 2	19	11	0.17	< 20	3	< 2	< 10	2	< 10	39	10	
759394	0.43	0.254	0.125	0.04	2	19	10	0.17	< 20	2	< 2	< 10	2	< 10	41	9	
759395	0.49	0.206	0.117	0.26	3	18	13	0.19	< 20	3	< 2	< 10	4	< 10	34	9	
759396	0.28	0.145	0.112	0.90	< 2	16	14	0.18	< 20	4	< 2	< 10	5	< 10	35	13	4.25
759397	0.49	0.254	0.131	0.05	< 2	19	9	0.17	< 20	1	< 2	< 10	2	< 10	36	9	
759398	0.41	0.254	0.124	0.02	2	20	14	0.19	< 20	5	< 2	< 10	2	< 10	41	9	
759399	0.50	0.229	0.125	0.04	< 2	17	14	0.19	< 20	3	< 2	< 10	2	< 10	38	10	
759400	0.44	0.079	0.039	0.04	< 2	4	47	0.12	< 20	2	< 2	< 10	27	< 10	10	7	
759401	0.40	0.233	0.124	0.16	< 2	18	15	0.17	< 20	2	< 2	< 10	4	< 10	40	9	
759402	0.63	0.303	0.118	0.68	4	20	13	0.19	< 20	4	< 2	< 10	15	< 10	40	13	
759403	0.52	0.263	0.097	0.29	3	19	25	0.15	< 20	< 1	< 2	< 10	3	< 10	32	9	
759404	0.41	0.226	0.088	0.17	< 2	16	41	0.12	< 20	2	< 2	< 10	4	< 10	28	8	
759405	0.46	0.240	0.101	0.18	2	23	5	0.19	< 20	6	< 2	< 10	9	< 10	34	11	
759406	0.55	0.187	0.099	< 0.01	< 2	19	16	0.18	< 20	4	< 2	< 10	8	< 10	27	8	
759407	0.67	0.192	0.092	0.34	< 2	20	31	0.21	< 20	2	< 2	< 10	16	< 10	27	7	
759408	0.73	0.223	0.080	0.26	< 2	24	11	0.22	< 20	3	< 2	< 10	28	< 10	21	7	
759409	0.98	0.267	0.072	0.25	< 2	28	12	0.25	< 20	< 1	< 2	< 10	54	< 10	21	5	
759410	0.73	0.032	0.047	1.23	5	3	104	0.03	< 20	1	< 2	< 10	28	13	3	16	7.31
759411	0.92	0.237	0.050	0.28	< 2	23	7	0.25	< 20	3	< 2	< 10	70	< 10	15	5	
759412	0.80	0.239	0.074	0.37	2	21	16	0.21	< 20	4	< 2	< 10	45	< 10	23	7	
759413	1.19	0.258	0.049	0.27	< 2	24	15	0.26	< 20	4	< 2	< 10	129	< 10	15	5	
759414	1.33	0.339	0.044	0.31	< 2	33	25	0.22	< 20	2	< 2	< 10	192	< 10	19	4	
759415	1.11	0.244	0.045	0.33	< 2	23	14	0.24	< 20	3	< 2	< 10	159	< 10	15	4	
759416	1.18	0.257	0.052	0.43	2	25	24	0.24	< 20	4	< 2	< 10	195	< 10	16	4	
759417	1.24	0.221	0.037	0.43	< 2	21	10	0.27	< 20	3	< 2	< 10	204	< 10	11	4	
759418	1.22	0.239	0.043	0.21	< 2	21	20	0.25	< 20	2	< 2	< 10	204	< 10	14	4	
759419	1.27	0.255	0.036	0.07	< 2	21	11	0.25	< 20	4	< 2	< 10	224	< 10	10	4	
759420	0.44	0.078	0.039	0.04	< 2	4	46	0.12	< 20	2	< 2	< 10	27	< 10	10	7	
759421	1.24	0.270	0.047	0.15	< 2	23	15	0.24	< 20	5	< 2	< 10	234	< 10	17	6	
759422	0.85	0.221	0.059	0.21	< 2	20	18	0.20	< 20	2	< 2	< 10	179	< 10	17	6	
759423	1.26	0.331	0.049	0.16	< 2	25	12	0.22	< 20	2	< 2	< 10	216	< 10	16	5	
759424	1.04	0.275	0.046	0.16	< 2	23	8	0.24	< 20	2	< 2	< 10	221	< 10	13	4	
759425	1.17	0.312	0.043	0.16	3	26	9	0.26	< 20	3	< 2	< 10	240	< 10	14	4	
759426	1.28	0.271	0.032	0.12	< 2	23	24	0.25	< 20	4	< 2	< 10	226	< 10	11	3	
759427	1.42	0.336	0.029	0.11	< 2	26	7	0.29	< 20	2	< 2	< 10	299	< 10	9	3	
759428	0.95	0.172	0.085	1.02	< 2	20	17	0.23	< 20	< 1	< 2	< 10	111	< 10	22	7	
759429	1.41	0.317	0.032	0.31	3	28	6	0.31	< 20	< 1	< 2	< 10	331	< 10	10	4	
759430	1.34	0.129	0.101	0.94	42	7	147	0.10	< 20	< 1	< 2	< 10	103	< 10	8	3	
759431	1.31	0.299	0.027	0.32	< 2	23	5	0.28	< 20	< 1	< 2	< 10	318	< 10	8	4	
759432	1.39	0.271	0.031	0.50	2	23	8	0.29	< 20	1	< 2	< 10	274	< 10	10	4	
759433	1.26	0.294	0.028	0.16	< 2	23	6	0.29	< 20	5	< 2	< 10	310	< 10	8	4	
759434	1.28	0.317	0.026	0.29	< 2	26	17	0.28	< 20	< 1	< 2	< 10	378	< 10	10	4	
759435	1.28	0.289	0.025	0.31	2	24	7	0.30	< 20	4	< 2	< 10	288	< 10	7	4	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759436	1.48	0.343	0.024	0.18	3	27	15	0.37	< 20	2	< 2	< 10	345	< 10	9	4	
759437	1.37	0.281	0.027	0.27	2	24	10	0.30	< 20	2	< 2	< 10	312	< 10	8	4	
759438	1.30	0.281	0.028	0.18	2	22	6	0.26	< 20	< 1	< 2	< 10	322	< 10	8	4	
759439	1.26	0.275	0.025	0.13	2	21	24	0.32	< 20	3	< 2	< 10	277	< 10	9	4	
759440	0.43	0.076	0.038	0.04	< 2	4	45	0.12	< 20	3	< 2	< 10	27	< 10	10	5	
759441	1.43	0.284	0.039	0.13	< 2	21	32	0.30	< 20	5	< 2	< 10	246	< 10	12	4	
759442	1.40	0.262	0.033	0.87	< 2	21	11	0.24	< 20	< 1	< 2	< 10	307	< 10	11	4	
759443	1.43	0.299	0.024	0.24	2	24	8	0.27	< 20	4	< 2	< 10	401	< 10	8	3	
759444	1.61	0.326	0.021	0.29	< 2	26	9	0.28	< 20	4	< 2	< 10	503	< 10	8	3	
759445	1.69	0.350	0.022	0.27	< 2	28	9	0.31	< 20	3	< 2	< 10	518	< 10	9	4	
759446	1.48	0.279	0.025	1.15	2	22	16	0.28	< 20	1	< 2	< 10	435	< 10	11	6	
759447	1.44	0.322	0.022	0.25	3	25	9	0.29	< 20	< 1	< 2	< 10	532	< 10	8	3	
759448	1.57	0.329	0.020	0.23	< 2	25	8	0.26	< 20	2	< 2	< 10	581	< 10	8	3	
759449	1.66	0.338	0.021	0.21	3	24	15	0.25	< 20	< 1	< 2	< 10	551	< 10	8	3	
759450	1.83	0.451	0.032	0.11	7	5	108	0.11	< 20	< 1	< 2	< 10	73	< 10	9	5	3.80
759451	1.40	0.288	0.021	0.14	< 2	20	11	0.24	< 20	2	< 2	< 10	507	< 10	6	3	
759452	1.56	0.303	0.021	0.30	2	21	8	0.22	< 20	< 1	< 2	< 10	447	< 10	7	3	
759453	1.63	0.182	0.021	1.44	< 2	13	86	0.18	< 20	5	< 2	< 10	249	< 10	11	5	
759454	1.76	0.246	0.014	0.28	< 2	17	21	0.17	< 20	4	< 2	< 10	120	< 10	6	3	
759455	1.11	0.182	0.005	0.24	< 2	11	18	0.15	< 20	1	< 2	< 10	67	< 10	4	2	
759456	0.96	0.314	0.026	0.26	< 2	10	25	0.15	< 20	4	< 2	< 10	53	< 10	6	1	
759457	0.89	0.342	0.016	0.07	< 2	9	30	0.18	< 20	1	< 2	< 10	49	< 10	5	1	
759458	1.01	0.514	0.016	0.08	< 2	11	57	0.18	< 20	3	< 2	< 10	67	< 10	4	1	
759459	2.03	0.324	0.029	0.21	< 2	15	25	0.18	< 20	4	< 2	< 10	106	< 10	5	1	
759460	0.43	0.076	0.039	0.04	< 2	4	45	0.12	< 20	< 1	< 2	< 10	26	< 10	10	6	
759461	0.82	0.520	0.012	0.02	< 2	8	57	0.17	< 20	< 1	< 2	< 10	54	< 10	3	1	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	72	1050	< 1	25	94	123	6.94	224	< 10	713	0.9	2	0.13	13	83	5.66	20	3	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	71	1020	1	25	91	120	6.63	209	< 10	680	0.9	< 2	0.13	14	80	5.35	20	1	1.15	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	70	1060	< 1	24	94	125	6.98	236	< 10	717	0.9	< 2	0.13	13	83	5.77	20	3	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2300	766	< 1	38	59	256	2.84	6		75	0.8	5	0.42	20	47	5.10	< 10		0.52	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	739	< 1	36	52	250	2.70	6		71	0.8	9	0.41	20	46	4.81	< 10		0.50	35
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2220	764	< 1	33	58	258	2.78	5		73	0.7	9	0.40	19	46	5.16	< 10		0.46	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		2.1	< 0.5	4360	851	< 1	33	75	329	2.80	7		56	0.7	19	0.41	22	43	5.79	< 10		0.43	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4460	853	< 1	33	79	325	2.80	8		54	0.7	23	0.41	22	43	5.82	< 10		0.42	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		2.2	< 0.5	4470	881	< 1	34	85	335	2.88	8		54	0.7	21	0.40	22	44	6.06	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.4		> 10000				85	406						58		46						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.3		> 10000				86	419						45		47						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		69.2	287	3680	539	14	27	> 5000	> 10000	1.74	77			0.6	3	1.69	31	35	3.27	10	4	0.40	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		68.4	286	3650	530	12	26	> 5000	> 10000	1.71	75			0.6	5	1.65	31	32	3.25	10	4	0.39	18
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua		62.8	274	3380	513	10	23	> 5000	> 10000	1.60	72			0.5	4	1.56	30	28	3.17	< 10	4	0.34	18

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Regia) Meas																							
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				352	170	< 1	233	9	26	7.17		136	1.0	< 2	0.07	38	366	14.7	20	< 1	0.10	11	
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81		158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7	
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3060																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2980																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2990																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	521																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	520																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
759343 Orig		< 0.2	< 0.5	258	462	< 1	161	< 2	25	3.89	< 2	< 10	16	< 0.5	< 2	2.38	36	37	4.20	< 10	1	0.08	< 10
759343 Dup		< 0.2	< 0.5	269	479	< 1	167	3	26	4.08	< 2	< 10	17	< 0.5	< 2	2.46	38	38	4.42	< 10	3	0.09	< 10
759344 Orig	9																						
759344 Dup	10																						
759354 Orig	5																						
759354 Dup	5																						
759356 Orig		< 0.2	< 0.5	91	860	< 1	75	< 2	36	2.77	< 2	< 10	12	< 0.5	< 2	4.32	25	136	5.03	< 10	2	0.06	< 10
759356 Dup		< 0.2	< 0.5	88	848	< 1	71	< 2	36	2.65	< 2	< 10	12	< 0.5	< 2	4.15	24	133	4.89	< 10	3	0.06	< 10
759358 Orig	< 5																						
759358 Dup	< 5																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
759370 Orig		92.7	9.4	990	914	12	11	4340	1020	1.83	30	15	51	< 0.5	< 2	3.35	19	21	3.62	< 10	< 1	0.18	< 10
759370 Dup		91.6	9.5	988	927	12	11	4330	1040	1.84	28	15	53	< 0.5	< 2	3.30	18	21	3.64	< 10	< 1	0.17	< 10
759379 Orig	6																						
759379 Dup	6																						
759385 Orig	157	< 0.2	< 0.5	118	647	< 1	20	< 2	50	1.85	< 2	< 10	59	< 0.5	< 2	2.87	28	4	5.45	< 10	1	0.26	< 10
759385 Split PREP DUP	46	< 0.2	< 0.5	120	648	< 1	20	< 2	51	1.87	< 2	< 10	59	< 0.5	< 2	2.84	29	5	5.46	< 10	2	0.27	< 10
759388 Orig	932																						
759388 Dup	1080																						
759392 Orig	608	0.3	< 0.5	16	839	1	2	< 2	94	1.70	18	< 10	12	< 0.5	< 2	3.04	16	6	7.28	10	< 1	0.03	< 10
759392 Dup	692	< 0.2	< 0.5	15	839	< 1	1	< 2	95	1.70	17	< 10	12	< 0.5	< 2	3.04	18	6	7.25	10	1	0.03	< 10
759396 Orig																							
759396 Dup																							
759406 Orig		< 0.2	< 0.5	1	485	< 1	< 1	< 2	17	1.19	< 2	< 10	15	< 0.5	< 2	3.46	11	5	3.77	< 10	< 1	0.10	11
759406 Dup		< 0.2	< 0.5	1	490	< 1	< 1	< 2	16	1.19	< 2	< 10	15	< 0.5	< 2	3.45	11	5	3.77	< 10	< 1	0.10	10
759413 Orig	14																						
759413 Dup	8																						
759419 Orig		< 0.2	< 0.5	15	635	< 1	5	< 2	41	1.96	< 2	< 10	< 10	< 0.5	< 2	2.70	32	2	5.81	< 10	1	0.06	< 10
759419 Dup		< 0.2	< 0.5	14	601	< 1	4	< 2	40	1.85	< 2	< 10	< 10	< 0.5	< 2	2.60	31	2	5.46	< 10	2	0.06	< 10
759423 Orig	28																						
759423 Dup	< 5																						
759427 Orig	< 5																						
759427 Dup	7																						
759433 Orig		< 0.2	< 0.5	69	660	< 1	7	< 2	39	1.51	< 2	< 10	< 10	< 0.5	2	2.09	37	2	6.68	< 10	2	0.05	< 10
759433 Dup		< 0.2	< 0.5	67	654	< 1	5	< 2	38	1.46	< 2	< 10	< 10	< 0.5	< 2	2.06	37	2	6.53	< 10	< 1	0.05	< 10
759435 Orig	< 5	< 0.2	< 0.5	91	657	< 1	11	< 2	56	1.59	< 2	< 10	< 10	< 0.5	< 2	2.21	48	2	6.08	< 10	< 1	0.05	< 10
759435 Split PREP DUP	< 5	< 0.2	< 0.5	91	627	< 1	12	< 2	54	1.54	< 2	< 10	< 10	< 0.5	< 2	2.06	46	2	5.90	< 10	< 1	0.05	< 10
759447 Orig	< 5																						
759447 Dup	< 5																						
759448 Orig		< 0.2	< 0.5	61	699	< 1	10	< 2	51	2.05	< 2	< 10	< 10	< 0.5	< 2	2.71	50	1	7.52	< 10	2	0.05	< 10
759448 Dup		< 0.2	< 0.5	62	685	< 1	10	< 2	50	2.00	< 2	< 10	< 10	< 0.5	< 2	2.68	49	1	7.39	< 10	2	0.05	< 10
759457 Orig	38																						
759457 Dup	45																						
759459 Orig	101																						
759459 Dup	100																						
759460 Orig		< 0.2	< 0.5	20	605	4	11	< 2	33	1.12	< 2	< 10	58	< 0.5	< 2	1.10	6	25	2.29	< 10	< 1	0.11	< 10
759460 Dup		< 0.2	< 0.5	20	616	4	11	< 2	34	1.19	< 2	< 10	61	< 0.5	< 2	1.12	5	25	2.39	< 10	< 1	0.11	< 10
759461 Orig	11	< 0.2	< 0.5	94	273	< 1	30	4	15	3.62	< 2	< 10	< 10	< 0.5	< 2	3.63	9	146	1.52	< 10	< 1	0.03	< 10
759461 Split PREP DUP	9	< 0.2	< 0.5	90	264	< 1	29	3	15	3.38	< 2	< 10	< 10	< 0.5	< 2	3.51	9	141	1.45	< 10	< 1	0.03	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank																							

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
GXR-6 Meas	0.39	0.131	0.034	0.01	3	22	30		< 20	< 1	< 2	< 10	171	< 10	5	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.37	0.119	0.034	0.01	3	22	29		< 20	2	< 2	< 10	165	< 10	5	6	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
GXR-6 Meas	0.39	0.126	0.034	0.01	2	21	31		< 20	< 1	< 2	< 10	174	< 10	5	8	
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110	
OREAS 922 (AQUA REGIA) Meas	1.32	0.031	0.063	0.37	2	4	16		< 20		< 2	< 10	36	< 10	20	11	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.25	0.030	0.063	0.35	2	4	16		< 20		< 2	< 10	35	< 10	19	11	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 922 (AQUA REGIA) Meas	1.30	0.029	0.063	0.37	< 2	4	16		< 20		< 2	< 10	36	< 10	19	19	
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3	
OREAS 923 (AQUA REGIA) Meas	1.35		0.059	0.65	3	4	14		< 20		< 2	< 10	35	< 10	18	18	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.36		0.060	0.66	< 2	4	14		< 20		< 2	< 10	35	< 10	18	22	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
OREAS 923 (AQUA REGIA) Meas	1.41		0.061	0.68	3	4	15		< 20		< 2	< 10	36	< 10	18	22	
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5	
Oreas 96 (Aqua Regia) Meas				3.96	5												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 96 (Aqua Regia) Meas				4.08	6												
Oreas 96 (Aqua Regia) Cert				4.38	4.53												
Oreas 621 (Aqua Regia) Meas	0.42	0.178	0.032	4.58	90	3	18		< 20		< 2	< 10	13	< 10	7	35	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	
Oreas 621 (Aqua Regia) Meas	0.42	0.176	0.032	4.49	88	3	17		< 20		< 2	< 10	13	< 10	7	40	
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0	



Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Oreas 621 (Aqua Regia) Meas	0.41	0.163	0.030	4.14	76	2	17		< 20			< 2	< 10	12	< 10	7	39
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91			0.770	1.63	10.9	1.00	6.87	55.0
OREAS 229b (Fire Assay) Meas																	11.7
OREAS 229b (Fire Assay) Cert																	11.9
OREAS 45f (Aqua Regia) Meas	0.18	0.050	0.020	0.02		29	15	0.10	< 20			< 2	< 10	210		5	13
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67			0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
OREAS 238 (Fire Assay) Cert																	
OREAS 238 (Fire Assay) Meas																	
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
759358 Orig																	
759358 Dup																	
759370 Orig	1.38	0.132	0.104	0.98	42	7	152	0.10	< 20	2	< 2	< 10	105	< 10	8	4	
759370 Dup	1.40	0.135	0.102	0.99	43	7	152	0.09	< 20	5	< 2	< 10	104	< 10	8	4	
759379 Orig																	
759379 Dup																	
759385 Orig	1.22	0.277	0.048	0.14	< 2	24	19	0.24	< 20	4	< 2	< 10	296	< 10	15	5	
759385 Split PREP DUP	1.23	0.279	0.048	0.14	< 2	24	19	0.24	< 20	3	< 2	< 10	300	< 10	16	6	
759388 Orig																	
759388 Dup																	
759392 Orig	0.50	0.236	0.104	0.45	3	19	18	0.18	< 20	2	< 2	< 10	8	< 10	33	10	
759392 Dup	0.50	0.236	0.102	0.45	2	19	18	0.17	< 20	2	< 2	< 10	7	< 10	33	10	
759396 Orig																	4.55
759396 Dup																	3.95
759406 Orig	0.55	0.187	0.100	< 0.01	< 2	19	16	0.17	< 20	3	< 2	< 10	8	< 10	27	7	
759406 Dup	0.55	0.188	0.099	< 0.01	< 2	19	16	0.19	< 20	4	< 2	< 10	8	< 10	27	8	
759413 Orig																	
759413 Dup																	
759419 Orig	1.31	0.263	0.036	0.07	< 2	22	11	0.26	< 20	4	< 2	< 10	229	< 10	11	4	
759419 Dup	1.24	0.247	0.035	0.07	< 2	21	11	0.24	< 20	3	< 2	< 10	218	< 10	10	4	
759423 Orig																	
759423 Dup																	
759427 Orig																	
759427 Dup																	
759433 Orig	1.27	0.297	0.028	0.17	< 2	24	6	0.29	< 20	4	< 2	< 10	312	< 10	8	4	
759433 Dup	1.25	0.291	0.028	0.16	< 2	23	5	0.30	< 20	6	< 2	< 10	308	< 10	8	4	
759435 Orig	1.28	0.289	0.025	0.31	2	24	7	0.30	< 20	4	< 2	< 10	288	< 10	7	4	
759435 Split PREP DUP	1.22	0.276	0.025	0.32	< 2	22	7	0.29	< 20	3	< 2	< 10	276	< 10	7	3	
759447 Orig																	
759447 Dup																	
759448 Orig	1.58	0.333	0.020	0.23	< 2	26	8	0.27	< 20	2	< 2	< 10	587	< 10	8	3	
759448 Dup	1.55	0.326	0.020	0.23	< 2	25	8	0.25	< 20	3	< 2	< 10	576	< 10	7	3	
759457 Orig																	
759457 Dup																	
759459 Orig																	
759459 Dup																	
759460 Orig	0.42	0.073	0.039	0.04	< 2	4	43	0.12	< 20	1	< 2	< 10	26	< 10	9	6	
759460 Dup	0.44	0.078	0.039	0.04	< 2	4	47	0.12	< 20	< 1	< 2	< 10	27	< 10	10	7	
759461 Orig	0.82	0.520	0.012	0.02	< 2	8	57	0.17	< 20	< 1	< 2	< 10	54	< 10	3	1	
759461 Split PREP DUP	0.79	0.490	0.012	0.02	< 2	8	53	0.17	< 20	2	< 2	< 10	52	< 10	3	1	
Method Blank																	
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Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	FA- GRA
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.03



## ANALYSIS REPORT BBM20-05383

To COD SGS MINERALS - GEOCHEM VANCOUVER  
ARDIDEN CANADA LTD - DANIEL GRABIEC  
SGS CANADA INC  
WEST WING 5825 EXPLORER DRIVE  
MISSISSAUGA L4W 5P6  
ON  
CANADA

Project	COD_ARDIDEN_CANADA_LTD	Date Received	19-Oct-2020
Submission Number	*BBY* Ardiden Canada Ltd./	Date Analysed	03-Nov-2020 - 28-Nov-2020
Kasagiminnis/ 40 Bark Samples		Date Completed	18-Dec-2020
Number of Samples	40	SGS Order Number	BBM20-05383

### Methods Summary

Number of Sample	Method Code	Description
40	G_WGH_KG	Weight of samples received
40	GE_DIG23D50	2 Acid Digest (HCL/HNO3), Vegetation; 1g-50mL
40	GE_ICP23D50	2 Acid Digest (HCL/HNO3), Vegetation; ICP, 1g-50mL
40	GE_IMS23D50	2 Acid Digest (HCL/HNO3), Vegetation; ICP-MS

Authorised Signatory

John Chiang  
Laboratory Operations  
Manager

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**WARNING:** The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

22-Dec-2020 3:39PM BBM\_U0005455553

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MIN-M\_COA\_ROW-Last Modified Date: 05-Nov-2019



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Wtkg	Al	B	Ba	Ca	Cr
Method	G_WGH_KG	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	0.01	12	10	1	30	10
Upper Limit	--	150,000	10,000	10,000	150,000	10,000
Unit	kg	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	0.01	231	<10	31	8377	<10
1096005	0.03	234	<10	43	8095	<10
1096006	0.03	289	<10	36	11501	<10
1096008	0.03	609	<10	7	6722	<10
1096010	0.03	419	<10	8	2904	<10
1096014	0.02	127	14	75	23229	<10
1096015	0.04	53	<10	154	19390	<10
1096016	0.03	168	12	138	45997	<10
1096020	0.03	136	<10	129	32836	<10
1096024	0.03	121	<10	116	24767	<10
1096028	0.03	206	<10	229	26301	<10
1096030	0.03	401	<10	8	3280	<10
1096034	0.05	409	<10	8	2547	<10
1096038	0.03	278	<10	59	11632	<10
1096042	0.03	212	<10	80	20667	<10
1096046	0.03	127	<10	2	3564	<10
1096050	0.05	77	<10	<1	1963	<10
1096054	0.02	377	<10	101	18325	<10
1096058	0.05	2167	52	1006	74517	<10
1096062	0.04	27264	219	5162	>150000	<10
1096066	0.04	65	<10	82	11692	<10
1096070	0.04	95	<10	39	10293	<10
1096071	0.04	44	<10	51	8270	<10
1096073	0.04	25	<10	8	3798	<10
1096077	0.05	68	<10	11	2370	<10
1096079	0.05	18	<10	305	12913	<10
1096081	0.03	82	11	224	23591	<10
1096085	0.05	418	<10	189	10155	<10
1096086	0.02	38	<10	81	9165	<10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Wtkg	Al	B	Ba	Ca	Cr
Method	G_WGH_KG	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	0.01	12	10	1	30	10
Upper Limit	--	150,000	10,000	10,000	150,000	10,000
Unit	kg	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096088	0.03	42	<10	33	11865	<10
1096089	0.02	76	<10	28	9046	<10
1096091	0.03	45	<10	85	16995	<10
1096093	0.04	34	<10	50	11327	<10
1096097	0.03	36	<10	17	12152	<10
1096101	0.04	52	<10	40	8234	<10
1096103	0.04	71	<10	100	14978	<10
1096104	0.05	23	<10	62	14874	<10
1096108	0.02	90	<10	67	10264	<10
1096112	0.04	52843	52	261	84366	<10
1096116	0.03	2420	35	738	87907	<10
*Std NIST1570A	-	81	38	6	14406	<10
*Rep 1096014	-	91	13	73	22159	<10
*Rep 1096046	-	163	<10	3	3661	<10
*Blk BLANK	-	<12	<10	<1	<30	<10
*Std NIST1573A	-	80	22	38	33218	<10

Element	Cu	Fe	P	K	Li	Mg
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	0.5	7	18	7	0.2	9
Upper Limit	10,000	150,000	250,000	250,000	50,000	150,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	3.8	299	408	1251	<0.2	218
1096005	3.5	294	227	668	<0.2	186
1096006	2.9	331	235	800	<0.2	162
1096008	3.3	405	182	610	0.3	199
1096010	1.8	276	145	577	<0.2	142
1096014	3.4	134	270	1331	<0.2	334
1096015	1.3	61	148	460	<0.2	122

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Cu	Fe	P	K	Li	Mg
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	0.5	7	18	7	0.2	9
Upper Limit	10,000	150,000	250,000	250,000	50,000	150,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096016	3.3	201	211	1160	<0.2	235
1096020	2.2	146	179	625	<0.2	142
1096024	1.6	139	108	474	<0.2	108
1096028	3.6	233	243	1270	<0.2	231
1096030	1.7	289	138	637	<0.2	130
1096034	1.6	145	105	284	<0.2	134
1096038	2.1	261	178	722	<0.2	140
1096042	2.1	228	192	655	<0.2	150
1096046	1.7	65	65	233	<0.2	66
1096050	1.2	44	46	220	<0.2	38
1096054	3.5	417	410	1162	0.3	267
1096058	16.6	317	908	4584	<0.2	2249
1096062	64.5	3626	4292	23628	1.2	8256
1096066	2.2	52	114	528	<0.2	135
1096070	0.8	104	86	254	<0.2	64
1096071	0.5	47	58	254	<0.2	43
1096073	<0.5	24	39	157	<0.2	28
1096077	0.7	74	53	253	<0.2	55
1096079	1.4	18	100	463	<0.2	126
1096081	4.6	76	243	710	<0.2	265
1096085	2.5	786	177	627	0.5	320
1096086	1.0	38	97	328	<0.2	95
1096088	0.9	46	83	265	<0.2	58
1096089	1.0	86	96	350	<0.2	81
1096091	1.0	33	63	491	<0.2	63
1096093	1.0	32	55	339	<0.2	59
1096097	0.9	33	68	337	<0.2	50
1096101	0.8	53	59	273	<0.2	63
1096103	0.9	80	42	288	<0.2	47

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Cu	Fe	P	K	Li	Mg
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	0.5	7	18	7	0.2	9
Upper Limit	10,000	150,000	250,000	250,000	50,000	150,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096104	0.7	22	34	166	<0.2	35
1096108	2.1	86	120	389	<0.2	172
1096112	48.0	3294	3840	11397	0.5	3759
1096116	16.2	1047	1496	2661	0.3	1497
*Std NIST1570A	11.9	230	5413	26859	1.8	8571
*Rep 1096014	3.0	91	222	1235	<0.2	311
*Rep 1096046	1.5	79	77	286	<0.2	85
*Blk BLANK	<0.5	<7	<18	<7	<0.2	<9
*Std NIST1573A	2.9	205	1571	17344	<0.2	7339

Element	Mn	Na	Ni	S	Sr	Ti
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	2	12	1	42	0.5	1
Upper Limit	10,000	150,000	10,000	410,000	10,000	150,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	297	38	<1	258	5.6	7
1096005	123	18	<1	369	8.3	7
1096006	248	19	<1	560	9.6	8
1096008	61	23	<1	280	8.7	13
1096010	44	15	<1	165	6.4	7
1096014	591	23	<1	332	19.0	3
1096015	268	<12	<1	184	29.2	2
1096016	636	26	<1	479	33.1	5
1096020	421	18	<1	265	15.0	4
1096024	212	14	<1	203	34.8	4
1096028	596	43	<1	627	22.9	6
1096030	50	19	<1	172	5.5	7
1096034	32	13	<1	148	9.2	3
1096038	151	17	<1	583	14.5	7

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received





Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Mn	Na	Ni	S	Sr	Ti
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	2	12	1	42	0.5	1
Upper Limit	10,000	150,000	10,000	410,000	10,000	150,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096042	148	13	<1	729	26.5	6
1096046	23	13	<1	102	3.2	2
1096050	14	<12	<1	57	1.0	1
1096054	181	30	<1	656	24.5	10
1096058	3137	69	2	1107	124	7
1096062	8103	352	18	3242	989	63
1096066	293	<12	<1	124	18.5	1
1096070	208	<12	<1	150	11.2	3
1096071	178	<12	<1	108	6.5	1
1096073	69	<12	<1	50	1.4	<1
1096077	40	<12	<1	128	4.2	2
1096079	213	<12	<1	125	22.3	<1
1096081	606	<12	<1	320	36.4	2
1096085	152	<12	<1	293	27.0	33
1096086	270	<12	<1	127	8.2	<1
1096088	81	<12	<1	126	10.5	1
1096089	182	<12	<1	173	7.3	2
1096091	236	<12	<1	149	27.4	<1
1096093	246	<12	<1	134	14.8	<1
1096097	260	<12	<1	171	7.9	<1
1096101	155	<12	<1	180	9.8	1
1096103	248	<12	<1	180	13.6	2
1096104	222	<12	<1	148	8.7	<1
1096108	148	<12	<1	116	23.0	2
1096112	2019	208	10	2030	223	52
1096116	2228	75	3	1759	155	17
*Std NIST1570A	69	16442	2	4870	52.5	4
*Rep 1096014	573	21	<1	275	18.1	2
*Rep 1096046	28	22	<1	135	3.7	2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Mn	Na	Ni	S	Sr	Ti
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50
Lower Limit	2	12	1	42	0.5	1
Upper Limit	10,000	150,000	10,000	410,000	10,000	150,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Blk BLANK	<2	<12	<1	<42	<0.5	<1
*Std NIST1573A	153	74	<1	7177	54.4	2

Element	V	Zn	Zr	Ag	As	Au
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	20	1	0.05	0.01	10	0.005
Upper Limit	10,000	10,000	10,000	10	10,000	5
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	<20	26	0.10	0.03	<10	<0.005
1096005	<20	79	0.11	0.02	<10	<0.005
1096006	<20	148	0.13	0.05	<10	<0.005
1096008	<20	27	0.12	0.01	<10	<0.005
1096010	<20	26	0.10	<0.01	<10	<0.005
1096014	<20	123	0.46	0.05	<10	<0.005
1096015	<20	47	<0.05	<0.01	<10	<0.005
1096016	<20	118	0.09	0.02	<10	<0.005
1096020	<20	154	0.07	0.04	<10	<0.005
1096024	<20	50	0.06	0.02	<10	<0.005
1096028	<20	161	0.11	0.05	<10	<0.005
1096030	<20	37	0.11	<0.01	<10	<0.005
1096034	<20	24	0.05	<0.01	<10	<0.005
1096038	<20	96	0.11	0.03	<10	<0.005
1096042	<20	114	0.12	0.07	<10	<0.005
1096046	<20	20	<0.05	<0.01	<10	<0.005
1096050	<20	23	<0.05	<0.01	<10	<0.005
1096054	<20	45	0.16	0.06	<10	<0.005
1096058	<20	441	0.20	0.06	<10	<0.005
1096062	<20	1090	1.84	0.26	<10	<0.005
1096066	<20	88	<0.05	0.01	<10	<0.005

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	V	Zn	Zr	Ag	As	Au
Method	GE_ICP23D50	GE_ICP23D50	GE_ICP23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	20	1	0.05	0.01	10	0.005
Upper Limit	10,000	10,000	10,000	10	10,000	5
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096070	<20	70	<0.05	0.03	<10	<0.005
1096071	<20	31	<0.05	<0.01	<10	<0.005
1096073	<20	28	<0.05	<0.01	<10	<0.005
1096077	<20	39	<0.05	<0.01	<10	<0.005
1096079	<20	34	<0.05	0.04	<10	<0.005
1096081	<20	84	<0.05	0.03	<10	<0.005
1096085	<20	27	0.19	0.02	<10	<0.005
1096086	<20	28	<0.05	0.01	<10	<0.005
1096088	<20	17	<0.05	<0.01	<10	<0.005
1096089	<20	25	<0.05	0.01	<10	<0.005
1096091	<20	34	<0.05	<0.01	<10	<0.005
1096093	<20	39	<0.05	0.01	<10	<0.005
1096097	<20	84	<0.05	0.01	<10	<0.005
1096101	<20	72	<0.05	<0.01	<10	<0.005
1096103	<20	74	<0.05	0.03	<10	<0.005
1096104	<20	57	<0.05	0.01	<10	<0.005
1096108	<20	55	<0.05	0.02	<10	<0.005
1096112	<20	530	1.41	0.10	<10	<0.005
1096116	<20	564	0.59	0.10	<10	<0.005
*Std NIST1570A	<20	79	0.07	0.03	<10	0.005
*Rep 1096014	<20	117	0.15	0.04	<10	<0.005
*Rep 1096046	<20	28	0.05	<0.01	<10	<0.005
*Blk BLANK	<20	<1	<0.05	<0.01	<10	<0.005
*Std NIST1573A	<20	21	0.15	0.01	<10	<0.005

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Bi	Cd	Ce	Co	Cs	Dy
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.005	0.03	0.01	0.01	0.005	0.005
Upper Limit	10,000	10,000	1,000	10,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	0.025	0.07	0.43	0.11	0.558	0.018
1096005	0.024	0.19	0.39	0.09	0.111	0.015
1096006	0.053	0.19	0.51	0.92	0.317	0.019
1096008	0.026	0.67	0.46	1.43	0.099	0.019
1096010	0.028	0.57	0.43	0.06	0.095	0.014
1096014	0.017	0.05	0.21	0.18	0.208	0.009
1096015	0.010	0.05	0.09	0.07	0.043	<0.005
1096016	0.024	0.22	0.34	0.22	0.043	0.016
1096020	0.018	0.11	0.22	0.47	0.045	0.009
1096024	0.010	0.06	0.19	0.14	0.060	0.007
1096028	0.015	0.20	0.30	0.20	0.148	0.011
1096030	0.029	0.27	0.46	0.13	0.092	0.015
1096034	0.021	0.17	0.23	0.06	0.058	0.008
1096038	0.024	0.09	0.35	0.23	0.150	0.011
1096042	0.023	0.07	0.29	0.45	0.164	0.011
1096046	0.010	0.19	0.10	0.02	0.040	<0.005
1096050	0.008	0.11	0.05	<0.01	0.011	<0.005
1096054	0.025	0.20	0.55	0.20	0.453	0.018
1096058	0.011	0.03	0.47	1.29	0.917	0.026
1096062	0.023	0.04	2.63	7.06	1.931	0.129
1096066	0.010	0.18	0.07	0.10	0.175	<0.005
1096070	0.012	0.09	0.15	0.04	0.048	0.005
1096071	0.008	0.04	0.06	0.02	0.022	<0.005
1096073	<0.005	<0.03	0.03	<0.01	0.029	<0.005
1096077	0.011	0.03	0.10	0.01	0.154	<0.005
1096079	0.021	0.04	0.03	0.07	0.024	<0.005
1096081	0.011	0.15	0.11	0.18	0.189	<0.005
1096085	0.020	0.07	1.38	0.32	0.217	0.031
1096086	0.007	0.04	0.05	0.05	0.045	<0.005

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Bi	Cd	Ce	Co	Cs	Dy
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.005	0.03	0.01	0.01	0.005	0.005
Upper Limit	10,000	10,000	1,000	10,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096088	0.007	0.04	0.06	0.05	0.063	<0.005
1096089	0.008	0.08	0.11	0.08	0.038	<0.005
1096091	<0.005	0.09	0.04	0.09	0.016	<0.005
1096093	<0.005	0.19	0.03	0.08	0.011	<0.005
1096097	0.007	0.19	0.04	0.03	0.015	<0.005
1096101	0.006	0.03	0.06	0.03	0.045	<0.005
1096103	0.007	0.08	0.09	0.07	0.115	<0.005
1096104	0.008	0.09	0.03	0.04	0.010	<0.005
1096108	0.005	0.03	0.12	0.07	0.065	0.006
1096112	0.027	0.06	3.77	1.93	0.666	0.200
1096116	0.016	0.03	1.47	1.20	1.027	0.081
*Std NIST1570A	0.014	2.33	0.17	0.44	0.013	0.011
*Rep 1096014	0.017	0.03	0.14	0.16	0.150	0.006
*Rep 1096046	0.011	0.25	0.11	0.04	0.050	<0.005
*Blk BLANK	<0.005	<0.03	<0.01	<0.01	<0.005	<0.005
*Std NIST1573A	0.007	0.87	0.83	0.45	0.012	0.061

Element	Er	Eu	Ga	Gd	Hf	Hg
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.005	0.002	1	0.01	0.5	0.02
Upper Limit	1,000	1,000	10,000	1,000	500	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	0.007	0.011	<1	0.03	<0.5	<0.02
1096005	0.007	0.012	<1	0.02	<0.5	<0.02
1096006	0.010	0.013	<1	0.03	<0.5	<0.02
1096008	0.008	0.007	<1	0.03	<0.5	<0.02
1096010	0.006	0.006	<1	0.02	<0.5	<0.02
1096014	<0.005	0.016	<1	0.02	<0.5	<0.02
1096015	<0.005	0.026	<1	<0.01	<0.5	<0.02

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Er	Eu	Ga	Gd	Hf	Hg
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.005	0.002	1	0.01	0.5	0.02
Upper Limit	1,000	1,000	10,000	1,000	500	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096016	0.007	0.032	<1	0.03	<0.5	<0.02
1096020	0.005	0.027	<1	0.01	<0.5	<0.02
1096024	<0.005	0.023	<1	0.01	<0.5	<0.02
1096028	0.006	0.044	<1	0.02	<0.5	<0.02
1096030	0.006	0.007	<1	0.03	<0.5	<0.02
1096034	<0.005	0.004	<1	0.01	<0.5	<0.02
1096038	0.006	0.014	<1	0.02	<0.5	<0.02
1096042	<0.005	0.017	<1	0.02	<0.5	<0.02
1096046	<0.005	<0.002	<1	<0.01	<0.5	<0.02
1096050	<0.005	<0.002	<1	<0.01	<0.5	<0.02
1096054	0.010	0.024	<1	0.03	<0.5	<0.02
1096058	0.013	0.168	<1	0.03	<0.5	<0.02
1096062	0.065	0.820	4	0.17	<0.5	<0.02
1096066	<0.005	0.015	<1	<0.01	<0.5	<0.02
1096070	<0.005	0.008	<1	<0.01	<0.5	<0.02
1096071	<0.005	0.010	<1	<0.01	<0.5	<0.02
1096073	<0.005	<0.002	<1	<0.01	<0.5	<0.02
1096077	<0.005	0.003	<1	<0.01	<0.5	<0.02
1096079	<0.005	0.050	<1	<0.01	<0.5	<0.02
1096081	<0.005	0.036	<1	<0.01	<0.5	<0.02
1096085	0.016	0.041	<1	0.06	<0.5	<0.02
1096086	<0.005	0.014	<1	<0.01	<0.5	<0.02
1096088	<0.005	0.006	<1	<0.01	<0.5	<0.02
1096089	<0.005	0.006	<1	<0.01	<0.5	<0.02
1096091	<0.005	0.015	<1	<0.01	<0.5	<0.02
1096093	<0.005	0.009	<1	<0.01	<0.5	<0.02
1096097	<0.005	0.004	<1	<0.01	<0.5	<0.02
1096101	<0.005	0.008	<1	<0.01	<0.5	<0.02
1096103	<0.005	0.018	<1	<0.01	<0.5	<0.02

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Er	Eu	Ga	Gd	Hf	Hg
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.005	0.002	1	0.01	0.5	0.02
Upper Limit	1,000	1,000	10,000	1,000	500	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096104	<0.005	0.012	<1	<0.01	<0.5	<0.02
1096108	<0.005	0.013	<1	<0.01	<0.5	<0.02
1096112	0.104	0.100	7	0.29	<0.5	<0.02
1096116	0.038	0.141	<1	0.12	<0.5	<0.02
*Std NIST1570A	0.005	0.005	<1	0.01	<0.5	0.03
*Rep 1096014	<0.005	0.015	<1	0.01	<0.5	<0.02
*Rep 1096046	<0.005	<0.002	<1	<0.01	<0.5	<0.02
*Blk BLANK	<0.005	<0.002	<1	<0.01	<0.5	<0.02
*Std NIST1573A	0.029	0.025	<1	0.11	<0.5	<0.02

Element	Ho	In	Ir	La	Lu	Mo
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.002	0.005	0.002	0.01	0.002	0.05
Upper Limit	500	500	500	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	0.004	<0.005	<0.002	0.22	<0.002	0.07
1096005	0.003	<0.005	<0.002	0.21	<0.002	<0.05
1096006	0.004	<0.005	<0.002	0.27	<0.002	<0.05
1096008	0.003	<0.005	<0.002	0.24	<0.002	<0.05
1096010	0.002	<0.005	<0.002	0.22	<0.002	<0.05
1096014	<0.002	<0.005	<0.002	0.11	<0.002	<0.05
1096015	<0.002	<0.005	<0.002	0.05	<0.002	<0.05
1096016	0.003	<0.005	<0.002	0.18	<0.002	<0.05
1096020	<0.002	<0.005	<0.002	0.11	<0.002	<0.05
1096024	<0.002	<0.005	<0.002	0.10	<0.002	<0.05
1096028	<0.002	<0.005	<0.002	0.16	<0.002	<0.05
1096030	0.003	<0.005	<0.002	0.27	<0.002	<0.05
1096034	<0.002	<0.005	<0.002	0.13	<0.002	<0.05
1096038	<0.002	<0.005	<0.002	0.19	<0.002	<0.05

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Ho	In	Ir	La	Lu	Mo
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.002	0.005	0.002	0.01	0.002	0.05
Upper Limit	500	500	500	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096042	<0.002	<0.005	<0.002	0.16	<0.002	<0.05
1096046	<0.002	<0.005	<0.002	0.05	<0.002	<0.05
1096050	<0.002	<0.005	<0.002	0.02	<0.002	<0.05
1096054	0.004	<0.005	<0.002	0.29	<0.002	0.09
1096058	0.005	<0.005	<0.002	0.25	0.006	0.16
1096062	0.024	0.007	<0.002	1.50	0.026	0.83
1096066	<0.002	<0.005	<0.002	0.04	<0.002	<0.05
1096070	<0.002	<0.005	<0.002	0.07	<0.002	<0.05
1096071	<0.002	<0.005	<0.002	0.03	<0.002	<0.05
1096073	<0.002	<0.005	<0.002	0.02	<0.002	<0.05
1096077	<0.002	<0.005	<0.002	0.05	<0.002	<0.05
1096079	<0.002	<0.005	<0.002	0.02	<0.002	<0.05
1096081	<0.002	<0.005	<0.002	0.06	<0.002	<0.05
1096085	0.006	<0.005	<0.002	0.70	0.002	<0.05
1096086	<0.002	<0.005	<0.002	0.03	<0.002	<0.05
1096088	<0.002	<0.005	<0.002	0.03	<0.002	<0.05
1096089	<0.002	<0.005	<0.002	0.06	<0.002	<0.05
1096091	<0.002	<0.005	<0.002	0.03	0.003	<0.05
1096093	<0.002	<0.005	<0.002	0.02	<0.002	<0.05
1096097	<0.002	<0.005	<0.002	0.02	<0.002	<0.05
1096101	<0.002	<0.005	<0.002	0.03	<0.002	<0.05
1096103	<0.002	<0.005	<0.002	0.05	<0.002	<0.05
1096104	<0.002	<0.005	<0.002	0.02	<0.002	<0.05
1096108	<0.002	<0.005	<0.002	0.06	<0.002	<0.05
1096112	0.040	0.012	<0.002	2.02	0.013	0.60
1096116	0.015	<0.005	<0.002	0.78	0.006	0.21
*Std NIST1570A	0.003	<0.005	0.005	0.08	<0.002	0.41
*Rep 1096014	<0.002	<0.005	<0.002	0.07	<0.002	<0.05
*Rep 1096046	<0.002	<0.005	<0.002	0.06	<0.002	<0.05

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received





Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Ho	In	Ir	La	Lu	Mo
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.002	0.005	0.002	0.01	0.002	0.05
Upper Limit	500	500	500	10,000	10,000	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Blk BLANK	<0.002	<0.005	<0.002	<0.01	<0.002	<0.05
*Std NIST1573A	0.012	<0.005	<0.002	1.26	0.003	0.29

Element	Nd	Pb	Pd	Pr	Pt	Rb
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.02	0.5	0.01	0.005	0.005	0.2
Upper Limit	10,000	10,000	500	1,000	350	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	0.17	1.1	<0.01	0.049	<0.005	5.2
1096005	0.16	2.6	<0.01	0.044	<0.005	2.2
1096006	0.22	5.9	<0.01	0.059	<0.005	3.8
1096008	0.19	2.2	<0.01	0.053	<0.005	3.1
1096010	0.17	3.0	<0.01	0.048	<0.005	2.8
1096014	0.09	2.4	<0.01	0.025	<0.005	6.1
1096015	0.04	1.0	<0.01	0.011	<0.005	1.4
1096016	0.15	2.4	<0.01	0.040	<0.005	2.2
1096020	0.09	1.3	<0.01	0.025	<0.005	1.1
1096024	0.08	1.0	<0.01	0.023	<0.005	1.4
1096028	0.12	1.9	<0.01	0.034	<0.005	4.8
1096030	0.19	4.4	<0.01	0.056	<0.005	3.0
1096034	0.09	2.9	<0.01	0.026	<0.005	1.3
1096038	0.15	4.0	<0.01	0.040	<0.005	3.2
1096042	0.12	4.8	<0.01	0.033	<0.005	3.2
1096046	0.04	0.6	<0.01	0.011	<0.005	1.1
1096050	0.02	0.9	<0.01	0.005	<0.005	0.6
1096054	0.23	2.4	<0.01	0.064	<0.005	7.0
1096058	0.21	1.9	<0.01	0.053	<0.005	20.0
1096062	1.17	7.4	0.03	0.299	0.005	86.0
1096066	0.03	<0.5	<0.01	0.008	<0.005	2.0

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Nd	Pb	Pd	Pr	Pt	Rb
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.02	0.5	0.01	0.005	0.005	0.2
Upper Limit	10,000	10,000	500	1,000	350	10,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096070	0.06	0.8	<0.01	0.015	<0.005	0.9
1096071	0.02	<0.5	<0.01	0.006	<0.005	0.7
1096073	<0.02	<0.5	<0.01	<0.005	<0.005	0.6
1096077	0.04	0.9	<0.01	0.012	<0.005	1.2
1096079	<0.02	2.2	<0.01	<0.005	<0.005	1.3
1096081	0.05	1.2	<0.01	0.014	<0.005	3.1
1096085	0.49	2.4	<0.01	0.138	<0.005	3.8
1096086	<0.02	0.7	<0.01	0.006	<0.005	1.1
1096088	0.02	<0.5	<0.01	0.008	<0.005	1.3
1096089	0.04	0.7	<0.01	0.012	<0.005	1.2
1096091	<0.02	0.5	<0.01	0.005	<0.005	1.0
1096093	<0.02	<0.5	<0.01	<0.005	<0.005	0.7
1096097	<0.02	<0.5	<0.01	<0.005	<0.005	1.0
1096101	0.03	0.6	<0.01	0.007	<0.005	1.1
1096103	0.04	0.7	<0.01	0.009	<0.005	0.9
1096104	<0.02	0.6	<0.01	<0.005	<0.005	0.4
1096108	0.05	<0.5	<0.01	0.013	<0.005	1.6
1096112	1.58	24.9	0.02	0.432	<0.005	44.1
1096116	0.65	10.1	<0.01	0.175	<0.005	15.5
*Std NIST1570A	0.07	<0.5	<0.01	0.021	<0.005	11.8
*Rep 1096014	0.07	2.1	<0.01	0.016	<0.005	5.1
*Rep 1096046	0.05	0.9	<0.01	0.013	<0.005	1.4
*Blk BLANK	<0.02	<0.5	<0.01	<0.005	<0.005	<0.2
*Std NIST1573A	0.72	<0.5	<0.01	0.198	<0.005	8.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Rh	Sb	Sc	Se	Sm	Sn
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.001	0.04	0.3	5	0.005	0.4
Upper Limit	500	10,000	10,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	<0.001	0.05	<0.3	<5	0.033	<0.4
1096005	<0.001	<0.04	<0.3	<5	0.029	<0.4
1096006	<0.001	<0.04	<0.3	<5	0.038	<0.4
1096008	<0.001	<0.04	<0.3	<5	0.034	<0.4
1096010	<0.001	<0.04	<0.3	<5	0.029	<0.4
1096014	<0.001	<0.04	<0.3	<5	0.018	<0.4
1096015	0.002	<0.04	<0.3	<5	0.008	<0.4
1096016	0.002	<0.04	<0.3	<5	0.029	<0.4
1096020	0.001	<0.04	<0.3	<5	0.017	<0.4
1096024	0.002	<0.04	<0.3	<5	0.012	<0.4
1096028	0.002	<0.04	<0.3	<5	0.023	<0.4
1096030	<0.001	<0.04	<0.3	<5	0.032	<0.4
1096034	<0.001	<0.04	<0.3	<5	0.016	<0.4
1096038	<0.001	<0.04	<0.3	<5	0.023	<0.4
1096042	0.002	<0.04	<0.3	<5	0.020	<0.4
1096046	<0.001	<0.04	<0.3	<5	0.007	<0.4
1096050	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096054	0.001	<0.04	<0.3	<5	0.037	<0.4
1096058	0.008	<0.04	<0.3	<5	0.041	<0.4
1096062	0.050	0.34	1.4	<5	0.220	0.7
1096066	<0.001	<0.04	<0.3	<5	0.006	<0.4
1096070	<0.001	<0.04	<0.3	<5	0.011	<0.4
1096071	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096073	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096077	<0.001	<0.04	<0.3	<5	0.008	<0.4
1096079	0.001	<0.04	<0.3	<5	<0.005	<0.4
1096081	0.002	<0.04	<0.3	<5	0.009	<0.4
1096085	0.001	<0.04	<0.3	<5	0.068	<0.4
1096086	<0.001	<0.04	<0.3	<5	<0.005	<0.4

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Rh	Sb	Sc	Se	Sm	Sn
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.001	0.04	0.3	5	0.005	0.4
Upper Limit	500	10,000	10,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096088	<0.001	<0.04	<0.3	<5	0.005	<0.4
1096089	<0.001	<0.04	<0.3	<5	0.009	<0.4
1096091	0.001	<0.04	<0.3	<5	<0.005	<0.4
1096093	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096097	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096101	<0.001	<0.04	<0.3	<5	0.005	<0.4
1096103	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096104	<0.001	<0.04	<0.3	<5	<0.005	<0.4
1096108	0.001	<0.04	<0.3	<5	0.009	<0.4
1096112	0.011	0.42	1.0	<5	0.302	0.6
1096116	0.008	0.16	0.4	<5	0.119	<0.4
*Std NIST1570A	0.004	<0.04	0.3	<5	0.016	<0.4
*Rep 1096014	0.001	<0.04	<0.3	<5	0.011	<0.4
*Rep 1096046	<0.001	<0.04	<0.3	<5	0.007	<0.4
*Blk BLANK	<0.001	<0.04	<0.3	<5	<0.005	<0.4
*Std NIST1573A	0.003	<0.04	<0.3	<5	0.101	<0.4

Element	Ta	Tb	Te	Th	Tl	Tm
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.2	0.002	0.1	0.002	0.002	0.002
Upper Limit	10,000	10,000	1,000	10,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	<0.2	0.004	<0.1	0.047	0.031	<0.002
1096005	<0.2	0.003	<0.1	0.046	0.018	<0.002
1096006	<0.2	0.004	<0.1	0.059	0.040	<0.002
1096008	<0.2	0.004	<0.1	0.056	0.044	<0.002
1096010	<0.2	0.003	<0.1	0.043	0.038	<0.002
1096014	<0.2	<0.002	<0.1	0.025	0.036	<0.002
1096015	<0.2	<0.002	<0.1	0.010	0.010	<0.002

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Ta	Tb	Te	Th	Tl	Tm
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.2	0.002	0.1	0.002	0.002	0.002
Upper Limit	10,000	10,000	1,000	10,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096016	<0.2	0.004	<0.1	0.034	0.008	<0.002
1096020	0.2	0.002	<0.1	0.023	0.010	<0.002
1096024	<0.2	<0.002	<0.1	0.024	0.010	<0.002
1096028	<0.2	0.003	<0.1	0.037	0.020	<0.002
1096030	<0.2	0.004	<0.1	0.052	0.051	<0.002
1096034	<0.2	<0.002	<0.1	0.020	0.025	<0.002
1096038	<0.2	0.002	<0.1	0.039	0.042	<0.002
1096042	<0.2	0.002	<0.1	0.035	0.027	<0.002
1096046	<0.2	<0.002	<0.1	0.013	0.022	<0.002
1096050	<0.2	<0.002	<0.1	0.006	0.003	<0.002
1096054	<0.2	0.004	<0.1	0.062	0.016	<0.002
1096058	<0.2	0.005	<0.1	0.047	0.042	<0.002
1096062	0.8	0.028	<0.1	0.255	0.101	0.010
1096066	<0.2	<0.002	<0.1	0.009	0.015	<0.002
1096070	<0.2	<0.002	<0.1	0.016	<0.002	<0.002
1096071	<0.2	<0.002	<0.1	0.007	<0.002	<0.002
1096073	<0.2	<0.002	<0.1	0.003	0.007	<0.002
1096077	<0.2	<0.002	<0.1	0.011	0.014	<0.002
1096079	<0.2	<0.002	<0.1	0.003	0.006	<0.002
1096081	<0.2	<0.002	<0.1	0.013	0.020	<0.002
1096085	<0.2	0.008	<0.1	0.099	0.021	<0.002
1096086	<0.2	<0.002	<0.1	0.005	0.007	<0.002
1096088	<0.2	<0.002	<0.1	0.007	0.016	<0.002
1096089	<0.2	<0.002	<0.1	0.013	0.007	<0.002
1096091	<0.2	<0.002	<0.1	0.005	0.007	<0.002
1096093	<0.2	<0.002	<0.1	0.004	0.008	<0.002
1096097	<0.2	<0.002	<0.1	0.005	0.012	<0.002
1096101	<0.2	<0.002	<0.1	0.007	0.012	<0.002
1096103	<0.2	<0.002	<0.1	0.010	0.010	<0.002

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	Ta	Tb	Te	Th	Tl	Tm
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.2	0.002	0.1	0.002	0.002	0.002
Upper Limit	10,000	10,000	1,000	10,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096104	<0.2	<0.002	<0.1	0.004	0.006	<0.002
1096108	<0.2	<0.002	<0.1	0.013	0.013	<0.002
1096112	0.5	0.042	<0.1	0.224	0.043	0.013
1096116	<0.2	0.015	<0.1	0.158	0.078	0.005
*Std NIST1570A	0.7	0.003	<0.1	0.045	0.033	<0.002
*Rep 1096014	<0.2	<0.002	<0.1	0.016	0.038	<0.002
*Rep 1096046	<0.2	<0.002	<0.1	0.014	0.022	<0.002
*Blk BLANK	<0.2	<0.002	<0.1	<0.002	<0.002	<0.002
*Std NIST1573A	0.6	0.014	<0.1	0.031	0.026	0.004

Element	U	Y	W	Yb
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.001	0.01	0.01	0.002
Upper Limit	10,000	10,000	10,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096004	0.013	0.09	0.01	0.010
1096005	0.011	0.07	0.02	0.004
1096006	0.014	0.09	0.01	0.007
1096008	0.012	0.09	0.01	0.007
1096010	0.008	0.07	0.02	0.005
1096014	0.006	0.05	<0.01	0.004
1096015	0.003	0.02	<0.01	<0.002
1096016	0.009	0.09	0.01	0.007
1096020	0.006	0.05	<0.01	0.004
1096024	0.004	0.04	<0.01	0.003
1096028	0.008	0.05	<0.01	0.005
1096030	0.009	0.07	<0.01	0.005
1096034	0.005	0.04	<0.01	0.003
1096038	0.007	0.05	<0.01	0.005

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 40 Bark Samples  
 Number of Samples 40

**ANALYSIS REPORT BBM20-05383**

Element	U	Y	W	Yb
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.001	0.01	0.01	0.002
Upper Limit	10,000	10,000	10,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096042	0.007	0.05	0.02	0.004
1096046	0.002	0.02	<0.01	<0.002
1096050	0.001	<0.01	<0.01	<0.002
1096054	0.015	0.11	0.01	0.008
1096058	0.018	0.15	0.01	0.012
1096062	0.126	0.79	0.12	0.062
1096066	0.002	0.01	<0.01	<0.002
1096070	0.003	0.03	<0.01	0.002
1096071	0.002	0.01	<0.01	<0.002
1096073	<0.001	<0.01	<0.01	<0.002
1096077	0.002	0.01	<0.01	<0.002
1096079	<0.001	0.01	<0.01	<0.002
1096081	0.004	0.03	<0.01	0.003
1096085	0.026	0.16	<0.01	0.013
1096086	0.001	0.01	<0.01	<0.002
1096088	0.002	0.01	<0.01	<0.002
1096089	0.003	0.02	<0.01	<0.002
1096091	0.001	<0.01	<0.01	<0.002
1096093	<0.001	<0.01	<0.01	<0.002
1096097	0.001	<0.01	<0.01	<0.002
1096101	0.002	0.01	<0.01	<0.002
1096103	0.002	0.01	0.01	<0.002
1096104	<0.001	<0.01	<0.01	<0.002
1096108	0.004	0.03	<0.01	<0.002
1096112	0.164	1.25	0.09	0.082
1096116	0.057	0.45	0.04	0.035
*Std NIST1570A	0.149	0.06	0.03	0.005
*Rep 1096014	0.004	0.03	<0.01	0.003
*Rep 1096046	0.003	0.02	<0.01	<0.002
*Blk BLANK	<0.001	<0.01	<0.01	<0.002

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
Submission Number \*BBY\* Ardiden Canada Ltd./  
Kasagiminnis/ 40 Bark Samples  
Number of Samples 40

### ANALYSIS REPORT BBM20-05383

Element	U	Y	W	Yb
Method	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50	GE_IMS23D50
Lower Limit	0.001	0.01	0.01	0.002
Upper Limit	10,000	10,000	10,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Std NIST1573A	0.009	0.48	<0.01	0.017

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received





**ANALYSIS REPORT BBM20-05384**

To COD SGS MINERALS - GEOCHEM VANCOUVER  
ARDIDEN CANADA LTD - DANIEL GRABIEC  
SGS CANADA INC  
WEST WING 5825 EXPLORER DRIVE  
MISSISSAUGA L4W 5P6  
ON  
CANADA

Project	COD_ARDIDEN_CANADA_LTD	Date Received	19-Oct-2020
Submission Number	*BBY* Ardiden Canada Ltd./	Date Analysed	03-Nov-2020 - 17-Nov-2020
Kasagiminnis/ 22 Soil		Date Completed	17-Nov-2020
Number of Samples	22	SGS Order Number	BBM20-05384

**Methods Summary**

<u>Number of Sample</u>	<u>Method Code</u>	<u>Description</u>
22	G_WGH_KG	Weight of samples received
22	GE_DIGMMI	Mobile Metal ION analyses
22	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Authorised Signatory

**John Chiang**  
**Laboratory Operations**  
**Manager**

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

## ANALYSIS REPORT BBM20-05384

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
1096001	0.16	5.8	10	<10	0.2	1590
1096012	0.22	4.4	37	<10	0.1	950
1096018	0.19	0.8	114	<10	<0.1	470
1096021	0.24	5.6	7	<10	<0.1	1790
1096025	0.27	2.4	75	<10	<0.1	570
1096031	0.22	1.7	253	20	<0.1	460
1096035	0.16	1.0	298	100	<0.1	1100
1096039	0.11	<0.5	234	50	<0.1	680
1096043	0.29	21.2	36	<10	<0.1	600
1096047	0.23	0.7	199	20	<0.1	550
1096051	0.36	4.5	20	<10	<0.1	1040
1096055	0.14	0.6	360	20	<0.1	480
1096059	0.28	14.0	267	20	<0.1	750
1096063	0.22	1.9	182	<10	<0.1	500
1096067	0.10	1.5	215	30	<0.1	390
1096074	0.24	<0.5	193	10	<0.1	210
1096082	0.24	2.3	10	<10	0.1	1820
1096094	0.24	1.0	30	<10	<0.1	360
1096098	0.28	<0.5	57	<10	<0.1	340
1096105	0.14	2.4	263	10	<0.1	620
1096109	0.25	5.1	60	<10	<0.1	480
1096113	0.21	4.7	128	<10	<0.1	450
*Std AMIS0169	-	5.5	35	<10	0.4	910
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep 1096043	-	19.8	38	<10	<0.1	680
*Rep 1096105	-	2.5	247	10	<0.1	660

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

**ANALYSIS REPORT BBM20-05384**

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
1096001	<0.5	394	4	558	20	<100
1096012	0.8	203	3	1150	19	<100
1096018	<0.5	208	21	88	208	<100
1096021	<0.5	376	<1	224	16	<100
1096025	<0.5	210	6	166	27	<100
1096031	1.1	13	6	63	9	<100
1096035	4.3	13	9	173	46	300
1096039	2.8	6	24	170	42	200
1096043	<0.5	30	2	221	20	<100
1096047	1.7	36	14	83	21	<100
1096051	<0.5	256	2	478	10	<100
1096055	3.0	11	18	105	141	100
1096059	1.1	9	10	290	27	200
1096063	0.6	28	11	53	14	<100
1096067	2.5	23	43	126	49	<100
1096074	1.3	8	6	125	19	<100
1096082	<0.5	227	<1	488	4	<100
1096094	<0.5	22	<1	258	19	<100
1096098	<0.5	6	2	1040	17	<100
1096105	1.9	40	23	113	40	<100
1096109	<0.5	39	4	179	26	<100
1096113	<0.5	107	1	155	7	<100
*Std AMIS0169	<0.5	29	1	554	60	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep 1096043	<0.5	30	2	236	24	<100
*Rep 1096105	1.6	41	23	109	38	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

**ANALYSIS REPORT BBM20-05384**

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
1096001	1.5	4130	29.3	14.6	11.3	22
1096012	3.5	2750	26.2	12.0	11.7	54
1096018	3.5	4000	38.3	32.4	3.5	87
1096021	<0.2	430	7.8	3.0	4.7	6
1096025	2.6	100	8.2	4.0	3.2	42
1096031	1.9	110	5.0	2.8	1.7	85
1096035	8.3	200	7.5	4.1	3.0	275
1096039	3.3	110	13.4	6.8	3.9	223
1096043	8.0	170	14.6	6.2	5.9	4
1096047	4.3	80	7.0	3.8	1.8	115
1096051	1.8	590	11.9	4.9	5.8	17
1096055	22.1	370	10.7	8.8	2.5	130
1096059	16.6	360	17.6	8.4	4.8	112
1096063	1.0	60	3.6	2.1	1.2	49
1096067	2.0	140	13.1	7.4	3.4	79
1096074	3.1	140	16.1	9.5	3.4	82
1096082	1.0	260	9.1	3.6	4.9	22
1096094	2.4	110	11.6	4.7	5.1	3
1096098	2.5	120	34.5	13.8	15.2	31
1096105	3.4	110	7.4	3.6	2.3	105
1096109	6.9	140	9.8	4.2	4.0	11
1096113	5.8	100	8.4	3.9	3.3	70
*Std AMIS0169	7.3	2550	17.9	8.0	7.3	26
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep 1096043	8.6	190	16.0	6.9	6.4	5
*Rep 1096105	3.2	110	6.8	3.6	2.1	101

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

## ANALYSIS REPORT BBM20-05384

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
1096001	3.4	48.4	<1	<0.1	4.8	243
1096012	8.2	48.7	<1	<0.1	8.6	562
1096018	4.6	19.0	<1	<0.1	2.1	37
1096021	1.0	17.5	<1	<0.1	22.4	141
1096025	5.8	11.4	<1	<0.1	8.6	64
1096031	51.4	5.1	<1	0.2	9.3	30
1096035	116	9.0	<1	0.3	15.1	83
1096039	42.9	14.4	<1	0.4	14.0	75
1096043	3.8	22.9	<1	<0.1	9.7	87
1096047	53.3	7.0	<1	0.2	14.9	40
1096051	2.4	22.7	<1	<0.1	3.7	232
1096055	111	9.2	<1	0.2	26.4	51
1096059	53.6	18.2	<1	0.3	13.9	171
1096063	24.6	3.9	<1	<0.1	7.3	29
1096067	40.8	14.0	<1	0.3	15.9	55
1096074	46.5	14.1	<1	0.2	5.1	60
1096082	3.0	19.1	<1	<0.1	2.0	272
1096094	2.4	19.2	<1	<0.1	13.2	94
1096098	5.9	53.9	<1	<0.1	2.2	373
1096105	69.1	8.6	<1	0.2	17.7	61
1096109	3.6	14.8	<1	<0.1	10.2	82
1096113	24.0	10.8	<1	<0.1	4.7	78
*Std AMIS0169	8.6	30.4	<1	<0.1	37.9	384
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep 1096043	4.1	24.4	<1	<0.1	10.1	92
*Rep 1096105	60.8	7.7	<1	0.2	17.3	61

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

**ANALYSIS REPORT BBM20-05384**

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
1096001	2	66.5	500	2	0.9	318
1096012	7	55.1	1700	5	3.8	458
1096018	<1	18.5	2300	7	<0.5	63
1096021	45	44.2	600	<2	<0.5	153
1096025	2	21.8	600	<2	2.0	72
1096031	5	2.3	300	5	17.6	27
1096035	64	12.4	800	18	65.9	67
1096039	20	4.4	300	7	28.7	76
1096043	<1	2.8	100	3	<0.5	125
1096047	15	7.5	1000	5	23.8	34
1096051	1	50.9	<100	<2	0.8	205
1096055	29	8.7	400	15	38.3	47
1096059	11	3.5	300	6	20.4	108
1096063	1	2.4	300	3	8.4	21
1096067	6	3.9	1400	6	22.4	62
1096074	5	2.3	200	7	30.2	52
1096082	<1	21.4	100	<2	1.2	202
1096094	<1	4.4	1600	2	<0.5	121
1096098	<1	<0.5	600	<2	1.1	371
1096105	10	5.2	1500	6	26.6	49
1096109	<1	1.9	1400	6	<0.5	98
1096113	5	14.0	100	4	9.4	64
*Std AMIS0169	<1	24.9	2500	<2	1.7	266
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep 1096043	<1	2.6	200	4	<0.5	139
*Rep 1096105	9	5.1	1200	5	24.3	46

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

**ANALYSIS REPORT BBM20-05384**

Element Method	Ni GE_MMIM	P GE_MMIM	Pb GE_MMIM	Pd GE_MMIM	Pr GE_MMIM	Pt GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
1096001	96	0.2	55	<1	80.9	<0.1
1096012	66	0.6	129	<1	140	<0.1
1096018	112	0.7	101	<1	14.6	<0.1
1096021	41	<0.1	12	<1	40.6	<0.1
1096025	89	0.4	90	<1	19.2	<0.1
1096031	39	6.4	194	<1	7.7	<0.1
1096035	111	8.8	335	<1	19.2	<0.1
1096039	82	9.6	410	<1	20.2	<0.1
1096043	29	0.2	48	<1	31.6	<0.1
1096047	44	6.6	470	<1	9.6	<0.1
1096051	41	0.2	53	<1	59.4	<0.1
1096055	240	5.3	187	<1	12.7	<0.1
1096059	63	3.8	192	<1	33.1	<0.1
1096063	21	4.9	243	<1	6.3	<0.1
1096067	35	9.3	499	<1	16.4	<0.1
1096074	31	8.0	297	<1	14.6	<0.1
1096082	15	0.1	12	<1	62.3	<0.1
1096094	<5	0.5	35	<1	31.6	<0.1
1096098	19	0.2	38	<1	105	<0.1
1096105	48	6.2	660	<1	13.9	<0.1
1096109	25	0.4	132	<1	25.7	<0.1
1096113	25	0.7	69	<1	17.9	<0.1
*Std AMIS0169	260	1.9	78	<1	81.2	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep 1096043	35	0.3	56	<1	34.1	<0.1
*Rep 1096105	47	6.8	589	<1	13.2	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

## ANALYSIS REPORT BBM20-05384

Element Method	Rb GE_MMIM	Sb GE_MMIM	Sc GE_MMIM	Sm GE_MMIM	Sn GE_MMIM	Sr GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
1096001	34	<0.5	16	56	<1	390
1096012	86	1.0	39	64	<1	200
1096018	12	1.4	16	14	<1	300
1096021	9	1.0	6	24	<1	330
1096025	68	0.7	20	13	<1	340
1096031	132	0.6	38	5	4	70
1096035	105	3.1	144	11	14	120
1096039	63	1.8	63	15	5	80
1096043	180	0.5	16	26	<1	120
1096047	189	1.0	58	7	7	100
1096051	80	0.7	8	30	<1	220
1096055	127	2.2	145	9	13	70
1096059	187	1.4	66	20	4	60
1096063	43	0.7	26	4	3	150
1096067	75	1.6	61	14	7	80
1096074	53	1.2	68	12	7	40
1096082	32	0.5	<5	28	<1	290
1096094	135	<0.5	12	23	<1	80
1096098	65	<0.5	39	68	<1	20
1096105	50	1.4	54	9	6	160
1096109	134	0.5	15	18	<1	120
1096113	126	0.6	36	13	1	250
*Std AMIS0169	208	1.2	38	40	<1	80
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep 1096043	191	0.5	17	28	<1	120
*Rep 1096105	51	1.3	51	9	6	170

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received





Project  
Submission Number  
Kasagiminnis/ 22 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
\*BBY\* Ardiden Canada Ltd./  
22

**ANALYSIS REPORT BBM20-05384**

Element Method	Ta GE_MMIM	Tb GE_MMIM	Te GE_MMIM	Th GE_MMIM	Ti GE_MMIM	Tl GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
1096001	<1	6.6	<10	32.5	70	0.2
1096012	<1	6.5	<10	69.4	420	0.5
1096018	<1	4.8	<10	9.9	50	2.0
1096021	<1	2.0	<10	9.1	20	<0.1
1096025	<1	1.7	<10	13.0	540	0.2
1096031	2	0.9	<10	15.6	6330	0.3
1096035	5	1.5	<10	42.4	22500	1.4
1096039	2	2.5	<10	45.9	6630	0.3
1096043	<1	3.3	<10	4.8	10	0.1
1096047	2	1.3	<10	12.6	7320	0.6
1096051	<1	2.9	<10	22.5	110	0.4
1096055	3	1.8	<10	26.0	17800	1.0
1096059	1	3.3	<10	29.6	7850	0.9
1096063	<1	0.6	<10	11.1	3580	0.1
1096067	2	2.5	<10	36.7	8430	0.6
1096074	2	2.9	<10	33.2	11400	0.5
1096082	<1	2.3	<10	26.3	170	0.3
1096094	<1	2.7	<10	12.8	10	0.1
1096098	<1	7.7	<10	67.4	230	0.1
1096105	2	1.4	<10	15.2	8760	0.5
1096109	<1	2.2	<10	6.7	70	0.1
1096113	<1	1.8	<10	13.0	2990	0.7
*Std AMIS0169	<1	4.2	<10	49.8	230	1.4
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep 1096043	<1	3.5	<10	4.7	10	<0.1
*Rep 1096105	2	1.3	<10	14.9	7940	0.5

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project COD\_ARDIDEN\_CANADA\_LTD  
 Submission Number \*BBY\* Ardiden Canada Ltd./  
 Kasagiminnis/ 22 Soil  
 Number of Samples 22

## ANALYSIS REPORT BBM20-05384

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
1096001	2.2	<0.5	182	12.3	40	43
1096012	18.5	0.6	127	9.9	150	75
1096018	74.3	<0.5	267	23.6	60	9
1096021	1.3	<0.5	37	2.0	10	7
1096025	9.5	<0.5	40	3.2	90	17
1096031	5.5	2.4	22	2.1	140	56
1096035	9.8	8.0	34	3.8	580	215
1096039	8.9	2.5	56	5.4	370	106
1096043	6.0	<0.5	68	4.6	20	7
1096047	3.8	2.9	31	2.9	630	69
1096051	5.3	<0.5	57	3.5	10	18
1096055	9.0	17.1	58	8.5	220	143
1096059	8.8	3.4	71	5.2	140	70
1096063	3.1	1.9	17	1.6	310	42
1096067	5.9	4.8	60	6.3	380	92
1096074	5.7	2.7	76	7.1	120	66
1096082	9.2	<0.5	48	2.5	10	23
1096094	5.4	<0.5	51	3.2	10	16
1096098	11.1	<0.5	137	10.5	30	49
1096105	4.5	3.5	36	2.9	210	73
1096109	7.3	<0.5	44	3.1	260	11
1096113	4.7	0.9	38	2.9	40	39
*Std AMIS0169	17.7	0.6	81	6.4	130	28
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep 1096043	6.5	<0.5	76	5.3	10	8
*Rep 1096105	4.3	3.3	33	2.8	200	70

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



**ANALYSIS REPORT BBM20-05385**

To COD SGS MINERALS - GEOCHEM VANCOUVER  
ARDIDEN CANADA LTD - DANIEL GRABIEC  
SGS CANADA INC  
WEST WING 5825 EXPLORER DRIVE  
MISSISSAUGA L4W 5P6  
ON  
CANADA

Project	COD_ARDIDEN_CANADA_LTD	Date Received	19-Oct-2020
Submission Number	*BBY* Ardiden Canada Ltd.	Date Analysed	03-Nov-2020 - 22-Dec-2020
/Kasagiminnis / 32 Soil		Date Completed	22-Dec-2020
Number of Samples	32	SGS Order Number	BBM20-05385

**Methods Summary**

Number of Sample	Method Code	Description
32	G_WGH_KG	Weight of samples received
32	GE_ARMV25	2 Acid (HCL/HNO3), ICP-MS, 25g-250ml

Authorised Signatory

**John Chiang**  
**Laboratory Operations**  
**Manager**

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
Submission Number  
/Kasagiminnis / 32 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
\*BBY\* Ardiden Canada Ltd.  
32

**ANALYSIS REPORT BBM20-05385**

Element Method Lower Limit Upper Limit Unit	Wtkg G_WGH_KG 0.01 -- kg	Ag GE_ARMV25 0.02 100 ppm m / m	As GE_ARMV25 0.5 2,000 ppm m / m	Au GE_ARMV25 1 500 ppb	Ba GE_ARMV25 0.5 5,000 ppm m / m	Be GE_ARMV25 0.02 1,000 ppm m / m
1096002	0.26	0.02	<0.5	9	31.6	0.22
1096007	0.32	0.04	0.9	3	38.8	0.32
1096009	0.18	0.22	0.7	8	54.9	0.37
1096011	0.21	<0.02	<0.5	2	29.2	0.20
1096017	0.13	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	0.30	0.04	0.9	7	79.5	0.33
1096026	0.25	0.08	<0.5	5	39.9	0.09
1096029	0.15	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	0.15	0.04	<0.5	4	25.0	0.03
1096036	0.26	0.04	2.2	4	35.7	0.33
1096040	0.27	0.05	1.0	3	20.8	0.23
1096044	0.23	0.09	1.2	3	39.9	0.44
1096048	0.31	0.02	0.9	2	33.0	0.27
1096052	0.32	0.05	<0.5	3	31.9	0.15
1096056	0.22	0.04	1.2	24	25.6	0.26
1096060	0.24	0.05	0.5	4	65.4	0.14
1096064	0.16	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	0.17	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	0.16	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	0.21	0.03	0.5	2	18.0	0.04
1096078	0.24	0.04	0.5	2	65.6	0.14
1096080	0.29	<0.02	2.2	3	40.5	0.43
1096083	0.22	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	0.28	0.04	1.4	3	23.9	0.17
1096090	0.21	0.07	0.9	2	23.9	0.16
1096092	0.22	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	0.23	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	0.20	<0.02	<0.5	2	15.1	0.06
1096102	0.16	<0.02	0.6	2	40.9	0.07

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
Submission Number  
/Kasagiminnis / 32 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
\*BBY\* Ardiden Canada Ltd.  
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**ANALYSIS REPORT BBM20-05385**

Element	Wtkg	Ag	As	Au	Ba	Be
Method	G_WGH_KG	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.02	0.5	1	0.5	0.02
Upper Limit	--	100	2,000	500	5,000	1,000
Unit	kg	ppm m / m	ppm m / m	ppb	ppm m / m	ppm m / m
1096106	0.25	0.06	3.3	3	36.5	0.35
1096110	0.19	0.05	2.4	2	44.4	0.25
1096114	0.24	0.03	1.7	2	36.2	0.28
*Rep 1096007	-	0.03	0.7	5	37.6	0.28
*Blk BLANK	-	<0.02	<0.5	<1	<0.5	<0.02
*Std OREAS261	-	0.22	17.0	49	159	1.23
*Std OREAS 905	-	0.49	29.7	373	243	1.03

Element	Bi	Cd	Ce	Co	Cs	Cu
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.02	0.05	0.1	0.01	0.5
Upper Limit	2,000	1,000	2,000	1,000	2,000	5,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096002	0.10	0.03	33.49	5.0	0.66	18.2
1096007	0.06	0.03	12.43	4.7	0.71	5.6
1096009	0.12	0.11	17.24	7.0	1.44	12.5
1096011	0.05	<0.02	31.89	3.7	0.65	4.5
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	0.12	0.03	42.12	9.2	1.98	12.3
1096026	0.09	0.04	11.88	2.3	0.51	3.7
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	0.08	0.05	7.63	1.2	0.28	1.7
1096036	0.08	0.07	15.48	5.5	0.85	8.9
1096040	0.07	0.04	21.94	4.3	0.63	7.3
1096044	0.10	0.06	18.92	6.2	1.24	10.0
1096048	0.05	<0.02	16.93	4.8	0.59	4.6
1096052	0.06	0.03	24.47	3.4	0.64	5.9
1096056	0.12	0.08	15.31	6.6	2.93	37.0
1096060	0.11	0.04	14.51	6.4	1.78	10.9

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
Submission Number  
/Kasagiminnis / 32 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD

\*BBY\* Ardiden Canada Ltd.

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## ANALYSIS REPORT BBM20-05385

Element	Bi	Cd	Ce	Co	Cs	Cu
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.02	0.05	0.1	0.01	0.5
Upper Limit	2,000	1,000	2,000	1,000	2,000	5,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	0.22	0.09	16.20	0.8	0.66	5.8
1096078	0.12	<0.02	13.43	11.6	4.78	8.8
1096080	0.11	0.07	17.25	7.0	1.32	13.2
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	0.12	0.04	15.74	2.3	1.07	9.1
1096090	0.13	0.03	16.04	2.5	0.88	3.8
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	0.05	<0.02	15.73	0.3	0.19	1.3
1096102	0.10	0.03	7.62	2.1	1.22	11.0
1096106	0.17	0.13	14.78	4.5	1.05	16.3
1096110	0.13	0.05	14.75	4.5	1.14	7.6
1096114	0.12	0.07	13.85	5.4	1.27	9.2
*Rep 1096007	0.07	0.03	12.87	4.6	0.73	5.6
*Blk BLANK	<0.01	<0.02	<0.05	<0.1	<0.01	<0.5
*Std OREAS261	0.59	0.28	37.69	32.0	3.58	60.7
*Std OREAS 905	5.80	0.33	77.71	14.0	1.36	1525

Element	Dy	Er	Eu	Ga	Gd	Hf
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.01	0.01	0.05	0.01	0.01
Upper Limit	2,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096002	1.59	0.85	0.54	2.10	2.20	0.22
1096007	0.56	0.27	0.19	2.55	0.71	0.21
1096009	0.66	0.33	0.26	5.38	0.94	0.20

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
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Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
\*BBY\* Ardiden Canada Ltd.  
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**ANALYSIS REPORT BBM20-05385**

Element	Dy	Er	Eu	Ga	Gd	Hf
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.01	0.01	0.05	0.01	0.01
Upper Limit	2,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096011	1.14	0.58	0.44	2.62	1.72	0.09
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	1.31	0.67	0.56	5.50	1.93	0.11
1096026	0.44	0.23	0.17	4.48	0.64	0.10
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	0.18	0.08	0.07	4.96	0.33	0.07
1096036	0.74	0.38	0.26	3.87	0.98	0.20
1096040	0.91	0.46	0.32	2.79	1.25	0.05
1096044	0.95	0.52	0.33	6.62	1.23	0.17
1096048	0.79	0.39	0.26	2.26	1.06	0.14
1096052	0.96	0.48	0.34	2.27	1.35	0.06
1096056	0.59	0.28	0.23	8.73	0.84	0.07
1096060	0.51	0.25	0.25	9.05	0.80	0.21
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	0.38	0.16	0.13	8.88	0.72	0.08
1096078	0.59	0.33	0.22	9.05	0.81	0.13
1096080	0.83	0.43	0.30	6.58	1.05	0.24
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	0.58	0.26	0.24	8.44	0.84	0.13
1096090	0.42	0.20	0.17	8.60	0.69	0.06
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	0.31	0.14	0.12	2.81	0.57	0.03
1096102	0.26	0.12	0.10	5.11	0.41	0.16
1096106	0.59	0.29	0.22	14.57	0.82	0.15
1096110	0.54	0.28	0.20	8.12	0.76	0.12
1096114	0.60	0.31	0.22	7.26	0.81	0.12

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
Submission Number  
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Number of Samples

COD\_ARDIDEN\_CANADA\_LTD

\*BBY\* Ardiden Canada Ltd.

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**ANALYSIS REPORT BBM20-05385**

Element	Dy	Er	Eu	Ga	Gd	Hf
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.01	0.01	0.05	0.01	0.01
Upper Limit	2,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Rep 1096007	0.56	0.28	0.19	2.53	0.74	0.24
*Blk BLANK	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01
*Std OREAS261	2.41	1.21	0.72	4.32	3.34	0.42
*Std OREAS 905	1.99	0.57	0.95	6.61	3.92	1.26

Element	Hg	Ho	In	La	Li	Lu
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.02	0.01	0.005	0.05	0.1	0.002
Upper Limit	1,000	2,000	2,000	2,000	2,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096002	<0.02	0.30	0.008	16.57	9.0	0.105
1096007	<0.02	0.10	0.011	5.74	12.2	0.029
1096009	<0.02	0.12	0.016	8.43	24.2	0.035
1096011	<0.02	0.20	0.008	12.84	8.6	0.061
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	<0.02	0.23	0.016	21.25	46.9	0.073
1096026	<0.02	0.08	0.007	5.94	10.0	0.026
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	<0.02	0.03	<0.005	3.96	3.7	0.009
1096036	<0.02	0.14	0.014	7.04	14.4	0.042
1096040	<0.02	0.16	0.010	10.19	10.9	0.048
1096044	<0.02	0.18	0.018	8.58	30.1	0.060
1096048	<0.02	0.14	0.009	7.07	9.6	0.043
1096052	<0.02	0.17	0.006	11.56	9.8	0.052
1096056	<0.02	0.10	0.013	7.89	13.6	0.028
1096060	<0.02	0.09	0.010	7.19	18.8	0.026
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received





Project  
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/Kasagiminnis / 32 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
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**ANALYSIS REPORT BBM20-05385**

Element Method Lower Limit Upper Limit Unit	Hg GE_ARMV25 0.02 1,000 ppm m / m	Ho GE_ARMV25 0.01 2,000 ppm m / m	In GE_ARMV25 0.005 2,000 ppm m / m	La GE_ARMV25 0.05 2,000 ppm m / m	Li GE_ARMV25 0.1 2,000 ppm m / m	Lu GE_ARMV25 0.002 1,000 ppm m / m
1096075	<0.02	0.06	0.005	8.35	1.1	0.015
1096078	<0.02	0.11	0.014	6.75	31.0	0.039
1096080	<0.02	0.15	0.021	8.16	22.9	0.050
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	<0.02	0.10	0.011	8.29	13.3	0.028
1096090	<0.02	0.07	0.008	8.21	6.5	0.022
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	<0.02	0.05	<0.005	8.01	<0.1	0.015
1096102	<0.02	0.04	0.005	3.79	15.3	0.014
1096106	<0.02	0.10	0.023	7.64	18.1	0.030
1096110	<0.02	0.10	0.015	7.27	20.3	0.031
1096114	<0.02	0.11	0.015	6.68	23.9	0.034
*Rep 1096007	0.02	0.10	0.011	5.89	12.2	0.031
*Blk BLANK	<0.02	<0.01	<0.005	<0.05	<0.1	<0.002
*Std OREAS261	0.08	0.44	0.027	17.70	21.2	0.136
*Std OREAS 905	<0.02	0.26	0.622	38.62	4.8	0.034

Element Method Lower Limit Upper Limit Unit	Mn GE_ARMV25 0.5 5,000 ppm m / m	Mo GE_ARMV25 0.02 2,000 ppm m / m	Nb GE_ARMV25 0.02 2,000 ppm m / m	Nd GE_ARMV25 0.025 2,000 ppm m / m	Ni GE_ARMV25 0.5 5,000 ppm m / m	Pb GE_ARMV25 0.2 1,000 ppm m / m
1096002	97.2	0.11	0.90	15.58	13.7	2.5
1096007	92.8	0.18	0.58	5.18	9.6	3.3
1096009	162	0.41	1.26	6.82	11.0	5.3
1096011	84.6	0.11	0.70	12.82	8.9	2.7
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	173	0.27	1.28	15.95	18.2	4.7

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
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COD\_ARDIDEN\_CANADA\_LTD  
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**ANALYSIS REPORT BBM20-05385**

Element	Mn	Mo	Nb	Nd	Ni	Pb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.5	0.02	0.02	0.025	0.5	0.2
Upper Limit	5,000	2,000	2,000	2,000	5,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096026	51.6	0.23	1.01	4.86	4.3	4.8
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	44.0	0.17	0.50	2.94	3.1	3.3
1096036	97.3	0.39	1.36	6.42	11.6	4.7
1096040	83.6	0.17	1.17	8.46	9.3	2.9
1096044	142	0.34	1.69	7.61	12.0	5.7
1096048	79.7	0.15	0.53	6.98	9.7	2.9
1096052	73.0	0.08	0.88	10.38	6.7	2.7
1096056	67.3	0.61	1.19	6.18	23.1	6.2
1096060	158	0.48	0.97	6.07	21.6	5.8
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	28.6	0.56	1.84	6.46	1.5	10.6
1096078	210	0.76	1.10	5.80	9.3	6.8
1096080	91.0	0.51	2.07	7.01	14.8	7.2
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	41.2	0.55	1.59	6.41	4.1	7.8
1096090	88.9	0.45	1.86	6.38	5.0	7.0
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	32.1	0.13	0.59	5.96	0.7	2.5
1096102	29.9	0.66	0.80	3.10	6.1	3.3
1096106	84.8	1.05	2.98	6.12	11.1	10.2
1096110	107	0.52	1.65	5.99	9.9	7.6
1096114	96.4	0.73	1.79	5.67	12.5	6.8
*Rep 1096007	92.0	0.18	0.57	5.19	9.6	3.4
*Blk BLANK	<0.5	<0.02	<0.02	<0.03	<0.5	<0.2
*Std OREAS261	519	0.48	0.03	16.48	65.7	34.6

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



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COD\_ARDIDEN\_CANADA\_LTD  
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**ANALYSIS REPORT BBM20-05385**

Element	Mn	Mo	Nb	Nd	Ni	Pb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.5	0.02	0.02	0.025	0.5	0.2
Upper Limit	5,000	2,000	2,000	2,000	5,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Std OREAS 905	389	3.01	0.24	31.59	8.2	16.7

Element	Pr	Rb	Re	Sb	Sc	Se
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.05	0.001	0.02	0.1	0.5
Upper Limit	1,000	1,000	100	1,000	1,000	2,500
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096002	4.20	4.05	<0.001	0.34	2.3	<0.5
1096007	1.42	6.06	<0.001	0.15	1.3	<0.5
1096009	1.91	10.51	<0.001	0.21	2.2	<0.5
1096011	3.36	5.66	<0.001	0.09	1.9	<0.5
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	4.54	15.75	<0.001	0.22	2.8	<0.5
1096026	1.35	3.79	<0.001	0.20	1.1	<0.5
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	0.84	4.24	<0.001	0.23	0.6	<0.5
1096036	1.74	6.10	<0.001	0.12	1.9	<0.5
1096040	2.40	4.22	<0.001	0.10	1.9	<0.5
1096044	2.12	8.87	<0.001	0.22	2.9	<0.5
1096048	1.83	6.32	<0.001	0.08	1.6	<0.5
1096052	2.82	4.86	<0.001	0.08	1.5	<0.5
1096056	1.76	4.39	<0.001	0.17	2.0	<0.5
1096060	1.69	10.21	<0.001	0.16	2.4	<0.5
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	1.86	2.44	<0.001	0.21	0.9	<0.5
1096078	1.62	17.48	<0.001	0.11	3.4	<0.5
1096080	1.94	5.83	<0.001	0.17	2.8	<0.5

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
Submission Number  
/Kasagiminnis / 32 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
\*BBY\* Ardiden Canada Ltd.  
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**ANALYSIS REPORT BBM20-05385**

Element Method Lower Limit Upper Limit Unit	Pr GE_ARMV25 0.01 1,000 ppm m / m	Rb GE_ARMV25 0.05 1,000 ppm m / m	Re GE_ARMV25 0.001 100 ppm m / m	Sb GE_ARMV25 0.02 1,000 ppm m / m	Sc GE_ARMV25 0.1 1,000 ppm m / m	Se GE_ARMV25 0.5 2,500 ppm m / m
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	1.79	4.14	<0.001	0.19	1.9	<0.5
1096090	1.83	12.63	<0.001	0.14	1.4	<0.5
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	1.74	2.51	<0.001	0.12	0.7	<0.5
1096102	0.88	1.73	<0.001	0.12	0.8	<0.5
1096106	1.71	6.82	<0.001	0.22	2.2	0.6
1096110	1.68	7.86	<0.001	0.18	1.9	<0.5
1096114	1.57	9.23	<0.001	0.14	2.0	<0.5
*Rep 1096007	1.43	6.02	<0.001	0.15	1.3	<0.5
*Blk BLANK	<0.01	<0.05	<0.001	0.03	<0.1	<0.5
*Std OREAS261	4.13	19.00	0.001	2.49	3.1	0.6
*Std OREAS 905	8.38	20.65	<0.001	1.29	1.8	2.2

Element Method Lower Limit Upper Limit Unit	Sm GE_ARMV25 0.02 1,000 ppm m / m	Sn GE_ARMV25 0.05 1,000 ppm m / m	Sr GE_ARMV25 0.1 1,000 ppm m / m	Ta GE_ARMV25 0.01 1,000 ppm m / m	Tb GE_ARMV25 0.005 1,000 ppm m / m	Te GE_ARMV25 0.02 1,000 ppm m / m
1096002	2.65	0.44	9.9	<0.01	0.283	0.19
1096007	0.98	0.43	7.2	<0.01	0.095	0.17
1096009	1.25	0.58	7.9	<0.01	0.124	0.15
1096011	2.43	0.42	9.9	<0.01	0.208	0.08
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	2.59	0.54	12.8	<0.01	0.243	0.07
1096026	0.85	0.48	10.0	<0.01	0.080	0.07
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	0.48	0.44	4.1	<0.01	0.036	0.06

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
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Number of Samples

COD\_ARDIDEN\_CANADA\_LTD

\*BBY\* Ardiden Canada Ltd.

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**ANALYSIS REPORT BBM20-05385**

Element	Sm	Sn	Sr	Ta	Tb	Te
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.02	0.05	0.1	0.01	0.005	0.02
Upper Limit	1,000	1,000	1,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096036	1.19	0.38	8.7	<0.01	0.134	0.05
1096040	1.56	0.36	7.9	<0.01	0.162	0.04
1096044	1.46	0.52	12.7	<0.01	0.170	0.04
1096048	1.41	0.33	7.5	<0.01	0.137	0.04
1096052	1.75	0.28	8.4	<0.01	0.175	0.03
1096056	1.09	0.58	5.5	<0.01	0.107	0.04
1096060	1.06	0.58	10.1	<0.01	0.098	0.02
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	1.07	1.08	6.6	<0.01	0.081	0.03
1096078	1.05	0.67	8.5	<0.01	0.107	<0.02
1096080	1.32	0.58	8.5	<0.01	0.144	0.03
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	1.09	0.77	6.9	<0.01	0.111	0.02
1096090	1.03	0.82	8.0	<0.01	0.081	<0.02
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	0.91	0.43	6.9	<0.01	0.065	<0.02
1096102	0.56	0.43	3.8	<0.01	0.050	<0.02
1096106	1.05	0.91	9.8	<0.01	0.107	0.03
1096110	1.00	0.65	11.5	<0.01	0.099	0.03
1096114	1.02	0.65	9.0	<0.01	0.107	0.02
*Rep 1096007	1.03	0.46	7.7	<0.01	0.099	0.21
*Blk BLANK	<0.02	<0.05	<0.1	<0.01	<0.005	<0.02
*Std OREAS261	3.89	0.62	17.8	<0.01	0.437	0.17
*Std OREAS 905	5.85	1.52	12.9	<0.01	0.443	0.10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



Project  
Submission Number  
/Kasagiminnis / 32 Soil  
Number of Samples

COD\_ARDIDEN\_CANADA\_LTD  
\*BBY\* Ardiden Canada Ltd.  
32

**ANALYSIS REPORT BBM20-05385**

Element	Th	Tl	U	W	Y	Yb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.01	0.01	1	0.02	0.01
Upper Limit	1,000	1,000	1,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096002	3.68	0.10	0.33	<1	8.48	0.71
1096007	2.47	0.11	0.32	<1	2.41	0.22
1096009	2.96	0.12	0.36	<1	2.92	0.26
1096011	3.24	0.08	0.45	<1	5.04	0.44
1096017	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096022	5.95	0.15	0.50	<1	6.04	0.52
1096026	2.02	0.05	0.29	<1	2.03	0.19
1096029	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096032	1.18	0.04	0.17	<1	0.76	0.06
1096036	3.14	0.04	0.39	<1	3.34	0.30
1096040	3.02	0.04	0.43	<1	4.05	0.35
1096044	3.44	0.04	0.51	<1	4.64	0.42
1096048	2.65	0.05	0.35	<1	3.42	0.32
1096052	2.72	0.04	0.36	<1	4.51	0.38
1096056	2.19	0.04	0.33	1	2.61	0.21
1096060	2.88	0.06	0.39	<1	2.29	0.19
1096064	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096068	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096072	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096075	3.42	0.03	0.44	<1	1.48	0.10
1096078	2.48	0.17	0.28	<1	2.91	0.26
1096080	3.90	0.04	0.47	<1	3.93	0.35
1096083	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096087	2.89	0.03	0.38	<1	2.50	0.21
1096090	3.55	0.03	0.31	<1	1.86	0.16
1096092	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096095	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1096099	3.33	<0.01	0.24	<1	1.31	0.10
1096102	2.09	<0.01	0.25	<1	1.11	0.10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



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**ANALYSIS REPORT BBM20-05385**

Element	Th	Tl	U	W	Y	Yb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.01	0.01	1	0.02	0.01
Upper Limit	1,000	1,000	1,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
1096106	3.65	0.05	0.48	<1	2.60	0.22
1096110	3.26	0.04	0.40	<1	2.53	0.23
1096114	2.87	0.05	0.40	<1	2.75	0.25
*Rep 1096007	2.55	0.14	0.32	<1	2.45	0.24
*Blk BLANK	<0.01	<0.01	<0.01	<1	<0.02	<0.01
*Std OREAS261	11.06	0.32	1.30	<1	11.59	0.94
*Std OREAS 905	9.17	0.14	2.61	<1	7.66	0.28

Element	Zn	Zr	IS_1	IS_2	IS_3
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	1	0.1	--	--	--
Upper Limit	5,000	2,000	--	--	--
Unit	ppm m / m	ppm m / m	mg / L	mg / L	mg / L
1096002	13	4.6	-	-	-
1096007	14	4.9	-	-	-
1096009	43	4.9	-	-	-
1096011	13	2.9	-	-	-
1096017	I.S.	I.S.	-	-	-
1096022	29	4.3	-	-	-
1096026	10	2.1	-	-	-
1096029	I.S.	I.S.	-	-	-
1096032	9	0.6	-	-	-
1096036	16	7.4	-	-	-
1096040	12	2.3	-	-	-
1096044	23	6.0	-	-	-
1096048	13	4.5	-	-	-
1096052	15	1.7	-	-	-
1096056	15	2.5	-	-	-
1096060	26	8.3	-	-	-

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



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**ANALYSIS REPORT BBM20-05385**


Element	Zn	Zr	IS_1	IS_2	IS_3
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	1	0.1	--	--	--
Upper Limit	5,000	2,000	--	--	--
Unit	ppm m / m	ppm m / m	mg / L	mg / L	mg / L
1096064	I.S.	I.S.	-	-	-
1096068	I.S.	I.S.	-	-	-
1096072	I.S.	I.S.	-	-	-
1096075	6	3.1	-	-	-
1096078	33	4.8	-	-	-
1096080	17	7.6	-	-	-
1096083	I.S.	I.S.	-	-	-
1096087	8	4.3	-	-	-
1096090	18	2.7	-	-	-
1096092	I.S.	I.S.	-	-	-
1096095	I.S.	I.S.	-	-	-
1096099	3	1.2	-	-	-
1096102	11	5.8	-	-	-
1096106	16	5.9	-	-	-
1096110	21	5.1	-	-	-
1096114	20	4.9	-	-	-
*Rep 1096007	14	5.0	NR	NR	NR
*Blk BLANK	<1	<0.1	NR	NR	NR
*Std OREAS261	118	16.0	NR	NR	NR
*Std OREAS 905	70	51.5	NR	NR	NR


- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received



## 5 Appendix V Aboriginal Consultation Log 2019-2021

Aboriginal Consultation Log 2019																																	
Date	Format	Venue	Project	FN Group	Parties	Topic	Objective	Details	Expenditure																								
14-Feb-19	Meeting	Thunder Bay	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Elmer Neetumgeesic Ken Wavy Marvin Pelletier	Land management	Discuss land management	<p>There was no mention that we couldn't work on our mining claims. This is very encouraging and promising. A main talking point is environmental contamination from previous mining generations. Some sort of baseline study would be a requirement. Utilizing their men for baseline monitoring would be a benefit.</p> <p>Trap lines, wild rice, hunting and fishing exists in the Kasagiminnis area.</p> <p>We should try to have an agreement with Mish about sharing environmental/traditional knowledge studies before the work commences.</p> <p>There were concerns about a helicopter program disturbing the moose and birding season in the spring.</p> <p>It was suggested for Mish to provide a camp at Kasagiminnis and have our workers stay on site to reduce the helicopter use. The idea would be to bring all equipment and cabins to site by snow vehicles. When the ice starts to melt, we would transition to a helicopter program for supplies if/when needed.</p> <p>Having an environmental monitor from the community would be beneficial (possible government funding for this).</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>65.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>200.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>450.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>715.00</b></td> <td><b>INVOICE 20190219-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	65.00	10% of total expenditure	Document Preparation	200.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	450.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>715.00</b>	<b>INVOICE 20190219-FN</b>
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05-Apr-19	Meeting	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Neil Hackett Peter Spitalny Daniel Grabiec Simon Shankie Chief David Masakeyash Community Elders	Community Meeting	Discuss various issues.	<p>The Dorothy Doble property might fall within three community boundaries. Cat Lake, Slate Falls, and Mishkeegogamang.</p> <p>Dan Grabiec presented to the group and outlined the following:</p> <ul style="list-style-type: none"> <li>Water monitoring</li> <li>Drilling program</li> <li>Chief David questioned if Ardiden will need core cutters</li> <li>Community discussion followed with no questions</li> <li>Comment from Neil that Ardiden will rectify past poor practices</li> <li>Area of interest slide #1 (overview)</li> <li>Area of interest slide #2 (detail)</li> <li>Mentioned water sampling &amp; introduced Simon to talk about the program</li> <li>Dan resumed and spoke of immediate focus                             <ul style="list-style-type: none"> <li>Question by Ronald **: significance of the area, memories, rice picking, moose hunting in August and September, fish spawning, moose &amp; late fall, (Ashinabe always present in the area)</li> <li>Dan offers input, ongoing staged activity</li> <li>Simon offers input, wild rice studies possible</li> </ul> </li> <li>Next steps slide</li> <li>Community benefits slide                             <ul style="list-style-type: none"> <li>Comment by Elmer: 2 men blazing the trail (start tomorrow) so that DST can start sampling Wednesday next week</li> <li>Elmer asked Dan if he had been there before</li> <li>Dan responded "Yes, drilling in 2018. There has been a change in management so things will be done better in the future".</li> <li>Several questions follow from Elmer where Dan responded and noted that Drill cuttings will be managed responsibly</li> <li>Dan finished the overview of the 2019 program details</li> <li>Neil gave thanks to participants</li> <li>Chief David responded:                                     <ul style="list-style-type: none"> <li>He mentioned the next stage is getting input from the land-owners. Must build trust! He offered support, storage sea cans and others</li> <li>He presented a gift book to all Ardiden personnel present</li> </ul> </li> </ul> </li> </ul> <p>Main concerns brought up by various community members:</p> <ul style="list-style-type: none"> <li>Goose hunting season in the Spring and using helicopters at that time</li> <li>Wild rice is an important heritage to the people of Mishkeegogamang. This rice is located in the water, in close proximity to the shore. Ensuring clean water is a priority.</li> <li>Clean drinking water as members discuss how the runoff from the project site flows directly to the community. Many Elders still collect their water directly from this lake.</li> <li>Hiring local workers for any help - specifically core cutting</li> </ul> <p>Solutions discussed:</p> <ul style="list-style-type: none"> <li>Baseline water sampling program around the direct area before work commences. Possibly rice studies if feasible.</li> <li>The use of Sludge collectors by drill contractors.</li> </ul> <p>Ardiden is committed to using local work force when work fits.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>937.40</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>2,000.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>6,600.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>774.00</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>10,311.40</b></td> <td><b>INVOICE 20190405-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	937.40	10% of total expenditure	Document Preparation	2,000.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	6,600.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	774.00	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>10,311.40</b>	<b>INVOICE 20190405-FN</b>
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18-Apr-19	Meeting	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Elmer Neetumgeesic Albert (Chief's brother)	Exploration Program	Discuss best way to perform an exploration	<p>Too much work to justify a drill road to site</p> <p>Helicopter program with daily trips to site would be too much of an impact on moose</p> <p>Barge over Wild Rice areas was a concern</p> <p>Can access site by water for light equipment</p> <p>Compromise would be to have a Helicopter assisted drill program. Two days of flying for Mob and De-mob equipment, otherwise site would be accessed by boat.</p> <p>These sentiments were agreed to by Elmer and Albert. Albert and Elmer both agreed to the months of June, July, and August for work. Starting September 1, 2019, Albert expressed concern of the moose hunting season and us disturbing it.</p> <p>Daniel Agreed that the sampling program should be completed by DST however at least one member from the community should be there to help.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>163.08</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>\$ -</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>1,350.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>145.77</td> <td>Accommodation/Pickle Lake Hotel</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>1,658.85</b></td> <td><b>INVOICE 20190419-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	163.08	10% of total expenditure	Document Preparation	\$ -	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	1,350.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	145.77	Accommodation/Pickle Lake Hotel	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>1,658.85</b>	<b>INVOICE 20190419-FN</b>
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23-Jul-19	Meeting	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Rob Longley Chief David Masakeyash	Meeting Ardiden & Chief David	Outline future exploration at Kasagiminnis.	<p>Daniel Grabiec and Rob Longley (Ardiden Limited) travelled to Mishkeegogamang to meet with Chief David.</p> <p>Rob outlined some of our exploration ideas in the near future at Kasagiminnis including drilling.</p> <p>Expressed the importance of keeping an open mind and setting realistic exploration goals while managing expectations.</p> <p>Ardiden is hoping to understand the risks of working in the Mishkeegogamang territory and working with the community to choose exploration models that prevent any harm to the environment.</p> <p>Rob and Chief David agree that creating an MOU between Mishkeegogamang and Ardiden is critical moving forward and ensuring any agreements are kept should the exploration properties change hands.</p> <p>The main concerns brought forth by Chief David:</p> <ul style="list-style-type: none"> <li>Ensuring any agreements between Ardiden and Mishkeegogamang are passed along to a future operators other than Ardiden.</li> <li>Ardiden need to respect the moose hunting season as members of the community heavily rely on moose for practicing their cultural heritage and sustenance over the winter.</li> </ul>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>507.89</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>\$ -</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>4,350.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>728.85</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>5,586.74</b></td> <td><b>INVOICE 20190723-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	507.89	10% of total expenditure	Document Preparation	\$ -	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	4,350.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	728.85	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>5,586.74</b>	<b>INVOICE 20190723-FN</b>
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25-Jul-19	Meeting	Thunder Bay	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Rob Longley Elmer Neetumgeesic	Potential drill program at Kasagiminnis	Outline future drill program at Kasagiminnis.	<p>Elmer discussed how the moose season will vary between varying trap lines and the families that are working the lines. Typically, bull moose season runs from Sept 10 - October 15. Calves are hunted around December to February but this isn't a common practice.</p> <p>Wild rice is harvested in the area around August 20th to September 30th. There is known Wild Rice in Kasagiminnis Lake.</p> <p>Any 20' or 20' legacy structures left on site is appreciated as it helps members of the community access their traditional lands. Leaving a legacy wood stove is a great gift.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>145.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>\$ -</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>1,450.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>1,595.00</b></td> <td><b>INVOICE 20190725-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	145.00	10% of total expenditure	Document Preparation	\$ -	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	1,450.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>1,595.00</b>	<b>INVOICE 20190725-FN</b>
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29-Oct-19	Meeting	Thunder Bay	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Rob Longley Elmer Neetumgeesic Ken Wavy Kevin Kivi	Memorandum of Understanding (MOU)	Discuss MOU with Mish	<p>Discuss creating a Memorandum of Understanding (MOU) with Mishkeegogamang. Elmer introduced a new idea of creating smaller MOU with the local trappers which will be affected by exploration. This would reduce the amount of consultation as we would only be discussing with affected users. In the past trappers were not involved in any negotiations involving their land. The goal would also attempt to reduce the time it takes to sign an MOU as fewer individual would be involved.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>435.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>\$ -</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>4,350.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>4,785.00</b></td> <td><b>INVOICE 20191029-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	435.00	10% of total expenditure	Document Preparation	\$ -	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	4,350.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>4,785.00</b>	<b>INVOICE 20191029-FN</b>
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04-Nov-19	Meeting	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Rob Longley Elmer Neetumgeesic Chief David Masakeyash	Memorandum of Understanding (MOU)	Outline proposal to create smaller MOU with land owners	<p>Discuss the newly proposed idea of creating smaller MOU directly with land users. The MOU would ultimately be signed by Chief and Council. Idea was given approval by Elmer and Chief David. Chief David warned of the possibilities of some trappers not being okay with any exploration work on their property and could be difficult to agree on anything.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>495.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>600.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>4,350.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>5,445.00</b></td> <td><b>INVOICE 20191104-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	495.00	10% of total expenditure	Document Preparation	600.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	4,350.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>5,445.00</b>	<b>INVOICE 20191104-FN</b>
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05-Nov-19	Meeting	Mishkeegogamang	South Limb	Mishkeegogamang	Daniel Grabiec Rob Longley Elmer Neetumgeesic Ken Wavy Mike MacIsaac Don Hareema Len Wavy Bella + Husband	Memorandum of Understanding (MOU)	Meeting with Metals Creeks to discuss MOU directly with the land users Bella and her husband in the South Limb + Dona Lake area	<p>The concern of the Dona Lake area is the lack of biodiversity from the former mine activities. The local trappers were happy that we are wanting to perform exploration activities on the Dona Lake/South Limb area as we were planning on upgrading the road.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>205.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>600.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>1,450.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>2,255.00</b></td> <td><b>INVOICE 20191119-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	205.00	10% of total expenditure	Document Preparation	600.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	1,450.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>2,255.00</b>	<b>INVOICE 20191119-FN</b>
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03-Dec-19 20-Dec-19	Meeting	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Haydn Dexter	Ardiden visit	Communication with the community on the Kasagiminnis MOU and drilling	<p>Daniel Grabiec and Haydn Dexter (Ardiden Limited) spent 12 days in the Mishkeegogamang visiting Chief and Council, and various community members including administrators for Accounting, Housing, Community Programming, and Construction. No new major concerns have been brought forth. Exploration is generally welcome in the community if we respect First Nation cultures and values and explore in ways which mitigate any environmental risks.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>2,427.72</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>1,200.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>17,850.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>3,322.20</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>24,799.92</b></td> <td><b>INVOICE 20191220-FN</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	2,427.72	10% of total expenditure	Document Preparation	1,200.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	17,850.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	3,322.20	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>24,799.92</b>	<b>INVOICE 20191220-FN</b>
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14-Jan-20 to 31-Jan-20	Meeting	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Angelo Falduzzi	Visit Chief and Council	Discuss the exploration efforts anticipated in the next 3 years in the Pickle Lake area. MOU and drill planning.	Daniel Grabiec and Angelo Falduzzi (Ardiden Limited) spent 17 days in Mishkeegogamang visiting Chief and Council, and various community members to further discuss the exploration efforts anticipated in the next 3 years in the Pickle Lake area. On January 25, 2020, with the approval from Chief David, Ardiden hired 3 community members to build a snow machine trail to Kasagiminnis. Albert Massakeyash, the head trapper of the area, was part of the crew to help build the trail.	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>2,064.70</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>1,800.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>15,300.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>4,084.95</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>379.23</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>23,628.88</b></td> <td><b>INVOICE 20200131</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	2,064.70	10% of total expenditure	Document Preparation	1,800.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	15,300.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	4,084.95	Accommodation	Travel Expenses	379.23	Meals	<b>Sum of Activity</b>	<b>23,628.88</b>	<b>INVOICE 20200131</b>
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06-May-20	Submission	N/A	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Doug Keshen Chief David Massakeyash	Kasagiminnis Drill Plan	Ardiden Limited submits Kasagiminnis Drill Plan to Doug Keshen to propose to Chief	Information includes how Ardiden will mitigate COVID-19 and environmental concerns.	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>270.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>1,800.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>900.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>2,970.00</b></td> <td><b>INVOICE 20200506</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	270.00	10% of total expenditure	Document Preparation	1,800.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	900.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>2,970.00</b>	<b>INVOICE 20200506</b>
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11-Jun-20	Email	N/A	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Chief David Massakeyash	Mish concerns regarding Kasagiminnis permitting	Dan Grabiec (Ardiden Limited) sent response regarding Mish	<ol style="list-style-type: none"> <li>What is Ardiden Ltd.'s COVID-19 safety protocol plan?                     <ul style="list-style-type: none"> <li>Ardiden has a strict Covid policy in place which states that we do not interact with anyone in person who is not directly involved in the drill program.</li> <li>Unless requested by Chief and Council, Ardiden or contractors will not visit New Osnaburg while Covid is ongoing.</li> <li>All meals, fuel, and any other equipment needed from the town of Pickle Lake will be delivered to a designated Ardiden drop-off site.</li> <li>Ardiden will follow all recommendations by the Chief Medical Officer of Ontario.</li> </ul> </li> <li>How many people does Ardiden anticipate being on site?                     <ul style="list-style-type: none"> <li>We anticipate 12 people on site.</li> </ul> </li> <li>Will Ardiden be testing personnel for COVID-19 before they enter the project area?                     <ul style="list-style-type: none"> <li>The current testing guidelines in Ontario restrict Ardiden from getting tested before arriving at site.</li> <li>We will test worker's temperatures before leaving their home and before arriving on site.</li> <li>We will test worker's temperatures daily before and after shifts.</li> </ul> </li> <li>What drill contractors will Ardiden use and where will they be coming from? Will they be tested for COVID-19? What is the contractors COVID-19 safety protocols?                     <ul style="list-style-type: none"> <li>We are anticipating using Chibougamau, however this will depend on contractor availability. Chibougamau would be coming from Quebec in a private plane.</li> <li>The current testing guidelines in Ontario restrict Contractors from getting tested before arriving at site as well.</li> <li>Once a drill contractor is selected we will be able to obtain their safety protocols.</li> <li>Drill contractors will follow Ardiden protocols.</li> </ul> </li> <li>If personal becomes ill, what health care facility will they go to? In the communities opinion, Pickle Lake does not have the capacity to deal with an influx of patients.                     <ul style="list-style-type: none"> <li>Anyone suspected of having Covid will be driven to Thunder Bay under the guidance of the Health Unit.</li> <li>The person driving the suspected case will not return to the project site until they are tested for negative for Covid.</li> </ul> </li> <li>Will Ardiden Ltd. consider hiring Mishkeegogamang community members, in particular for line cutting and core cutting activities?                     <ul style="list-style-type: none"> <li>If Chief and Council approve, Ardiden will definitely be hiring Mishkeegogamang members.</li> </ul> </li> <li>Would Ardiden provide accommodation for employed community members?                     <ul style="list-style-type: none"> <li>These arrangements can be made.</li> </ul> </li> <li>Community members will be required to quarantine for two weeks after employment outside of the community. Will Ardiden Ltd. pay them a wage or a portion of a wage while quarantining?                     <ul style="list-style-type: none"> <li>Den is open to this idea and we can discuss this in detail. What resources are available to help quarantine a community member before they return to their home?</li> </ul> </li> <li>Regarding the exploration application, water is very important to Mishkeegogamang - how will Ardiden Ltd. conduct mechanized drilling over Kasagiminnis Lake? Will it be by ice road or by barge?                     <ul style="list-style-type: none"> <li>Drilling on Kasagiminnis Lake will be done by ice road. We don't anticipate any barges for the duration of the exploration permit.</li> </ul> </li> <li>What is the anticipated average length of drill holes?                     <ul style="list-style-type: none"> <li>We are anticipating drill depths of 150-400m. Average hole depth of 300m.</li> </ul> </li> <li>What is the primary tree stand within the project area?                     <ul style="list-style-type: none"> <li>Primarily Spruce.</li> </ul> </li> <li>What is Ardiden's mobilization timeline?                     <ul style="list-style-type: none"> <li>Ardiden is planning to complete 4-6 weeks of drilling during the summer months with a helicopter.</li> <li>Another 6-8 week drill project is planned for the 2021 winter.</li> </ul> </li> <li>Mishkeegogamang First Nation is very concerned with the spread of COVID-19, but hopes to ease community restrictions towards the end of the month, but this depends on the larger picture of how things go with COVID.                     <ul style="list-style-type: none"> <li>Ardiden is going to make their Covid Protocols their primary objective while Covid is ongoing in Canada.</li> </ul> </li> </ol>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>150.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>600.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>900.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>1,650.00</b></td> <td><b>INVOICE 20200611</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	150.00	10% of total expenditure	Document Preparation	600.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	900.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>1,650.00</b>	<b>INVOICE 20200611</b>
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16-Sep-20	Email	N/A	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Doug Keshen Chief David Massakeyash	Kasagiminnis trail refurbishment	Provide details of trail refurbishment	Email sent by Dan Grabiec (Ardiden Limited) to Doug Keshen for him to pass on to Chief David. It is planned that the refurbished winter trail to Kasagiminnis will predominantly follow the existing winter trail. The entrance location will be moved to slightly higher ground. The MNR will be contacting Mish in regards to a required Water Crossing permit. After Chief David is aware of the details, Doug will initiate MNR contacting Chief David as part of their consultation requirements. A map was also provided.	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>65.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>200.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>450.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>715.00</b></td> <td><b>INVOICE 20200916</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	65.00	10% of total expenditure	Document Preparation	200.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	450.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>715.00</b>	<b>INVOICE 20200916</b>
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04-Dec-20	Email	N/A	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Chief David Massakeyash Community Elders	Commencement of trail building	Advise Chief and Council	Email sent by Dan Grabiec (Ardiden Limited) to C&C stating that Ardiden have assumed that they have made adequate efforts to involve Mish however they are understanding that the community has been under a lot of stress over the past few weeks. The Company has made the decision to go forth and start the trail. Currently one Mish Member has been working full time for the past 3 months when Ardiden representatives have been on site. Today, a second person on site for the first time. There is a lot of work planned over the winter months and having Mish people work along with Ardiden will benefit everyone. This program will involve additional onsite training to community members.	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>65.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>200.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>450.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>715.00</b></td> <td><b>INVOICE 20201204</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	65.00	10% of total expenditure	Document Preparation	200.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	450.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>715.00</b>	<b>INVOICE 20201204</b>
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09-Dec-20	Email	N/A	Kasagiminnis	Mishkeegogamang	Daniel Grabiec Chief David Massakeyash Community Elders	Kasagiminnis Trail	Address concerns regarding building of trail	Email sent by Dan Grabiec (Ardiden Limited) to C&C addressing concern raised by community member and providing clarification regarding the trail to the Kasagiminnis area. The first 1km of the trail is a new entrance. The previous old entrance crossed marsh land and Ardiden felt it was too sensitive of an area to unnecessarily build a trail on. The entrance was moved to higher ground where there was a recent burn with no old growth forest to reduce any impact as much as possible. From here the route will follow the old trail. Ardiden spent considerable time reaching out to Mish in regards to providing first right of refusal for work.	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>125.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>350.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>900.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>1,375.00</b></td> <td><b>INVOICE 20201209</b></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	125.00	10% of total expenditure	Document Preparation	350.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	900.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>1,375.00</b>	<b>INVOICE 20201209</b>
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09-Apr-21	Conference Call	Mishkeegogamang	Kasagiminnis	Mishkeegogamang	Angelo Falduzzi Chief David Massakeyash Doug Keshen Community Elders	Project update	Discuss the 2020-2021 drilling at Kasagiminnis	<p>Angelo Falduzzi reported on the winter drilling operations at South Limb and Kas, and the construction of the Kas trail to date. Drilling stopped earlier than expected due to warm weather but Ardiden would like to continue drilling at South Limb if conditions allow. Information and maps on the last drilling/trail work undertaken by Ardiden will be provided.</p> <p>Chief David raised the topic of Traditional Aboriginal Knowledge (TAK) and the need to engage a member of the Mish community for consultation prior to too much further work being carried out. Doug made a reference to a particular document, the template of this document will be sent after the weekend.</p> <p>Chief requested the maps of all the trails that was built during the program to determine the various territories/areas that the trails went through, this will help him identify various hunting zones and to determine which hunters/trappers could be involved within these zones, and simply put to better define which areas were used during the drilling program.</p> <p>Discussed 5% payment to the Mish community as per the MOU, first payment for end of December 2020 quarter financials are completed. Chief and other members present at the discussion seemed pleased to hear that we are meeting our commitments.</p> <p>Trappers: Commodity and recognition, the importance to ensure trappers are satisfied by initiating the building of shacks and/or cabins. Chief agreed that scope needs to be better defined and will follow-up (for next meeting of April 29, 2021) with information regarding who the trappers are and of the location to build the shacks.</p> <p>Mish share options: Chief David asked for further explanation regarding the share system. ADV share information documentation will be provided.</p> <p>Next Meeting set for 29<sup>th</sup> April.</p>	<table border="1"> <thead> <tr> <th>Expenditure Item</th> <th>Expenditure</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Administration</td> <td>150.00</td> <td>10% of total expenditure</td> </tr> <tr> <td>Document Preparation</td> <td>600.00</td> <td>Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures</td> </tr> <tr> <td>Other Costs</td> <td>900.00</td> <td>Salaries, First Nation Consultant</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Vehicle, Petrol, Air Fare, Taxi</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Accommodation</td> </tr> <tr> <td>Travel Expenses</td> <td>\$ -</td> <td>Meals</td> </tr> <tr> <td><b>Sum of Activity</b></td> <td><b>1,650.00</b></td> <td></td> </tr> </tbody> </table>	Expenditure Item	Expenditure	Comment	Administration	150.00	10% of total expenditure	Document Preparation	600.00	Preparation of Memo/Documentation, PowerPoint Presentation, Maps, Figures	Other Costs	900.00	Salaries, First Nation Consultant	Travel Expenses	\$ -	Vehicle, Petrol, Air Fare, Taxi	Travel Expenses	\$ -	Accommodation	Travel Expenses	\$ -	Meals	<b>Sum of Activity</b>	<b>1,650.00</b>	
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