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WINTER 2021 SOUTH LIMB GOLD PROJECT DIAMOND DRILLING REPORT

**Dona 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. Arviden 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.

Arviden Limited (Arviden) contracted Major Drilling Group International Inc to complete a series of early exploration diamond drill holes over the South Limb Property (Property). This was completed between 27 January until 13 February 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.

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. Additional work is required to understand the nature and timing of the intrusive bodies along with the structural controls displayed in the drill core. Although no significant results of Au mineralisation were recorded within the assays from this program, the presence of sulphide mineralisation, alteration zones and metasediments warrant further drilling.

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

The Property offers significant discovery potential gold between Red Lake and Pickle Lake, Ontario within the richly endowed and under-explored Uchi Subprovince.

Arviden conducted diamond drilling at the Property near Pickle Lake, Ontario. Six drill holes (SL-21-01 to 06) totaling 1,293 meters were drilled as part of a due diligence program to test and evaluate historical gold intercepts and magnetic anomalies south of the existing Dona Lake Mine.

The drilling forms part of an early-stage exploration and due diligence program to evaluate high grade historic gold intercepts and to add further definition to the known iron rich magnetic conductors that form

key gold mineralization zones adjacent to the historical Dona Lake Mine, and the South Limb fold nose to the west (South Limb Gold Zone). These historic gold occurrences were previously drilled in 1989 by Placer Dome Inc.

Gold mineralization in the South Limb Gold Zone occurs within a silicified zone containing disseminated sulphides (pyrite, pyrrhotite) alongside magnetite which was historically called 'iron formation'. Conducting a low level, tightly spaced magnetic survey was designed to define the structural complexity over this greenstone belt that has a north-south trend adjacent to the Dona Lake mine before moving to an east-west trend as the sequence drapes around the Hooker Burkowski Stock, which likely represents apophyses of the Ochig Lake Pluton.

The Project consists of a contiguous block of 102 mineral claims totaling 20.21km² situated in the Dona Lake Area (G-2009).

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 2010-2012 Exploration Activities, Dona Lake Project Pickle Lake Area, Ontario" written by Bruce Mackie Geological Consulting Services and dated September 2012.

Terms of Reference

This Report was prepared in conjunction with and at the request of Ardiden 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 meters in this project unless stated otherwise. Contractions are "mm" = millimeter, "cm" = centimeter, "m" = meters, "km" = kilometers, "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 Property is located in the Patricia Mining District in Northwestern Ontario approximately 10 kilometres southeast of the town of Pickle Lake (Figure 1), and approximately 8 kilometres north of Mishkeegogamang First Nation Community of New Osnaburgh. The geographic centre of the property is located at 699500mE, 5696300mN (UTM, Zone 15, NAD83). The project covers portions of National Topographic Sheet (NTS) 520/08.



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

On August 2nd, 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 Project consists of a contiguous block of 102 mining claims totaling 220.41Ha (Table 1). The Project is part of a larger land package, the Pickle Lake Properties, held by Ardiden Limited known as the Pickle Lake Gold Project.

Table 1 – South Limb Project Mineral Claims Cell Information

Area	Tenure ID	Cell ID	Tenure Type	Anniversary Date	Holder
DONA LAKE AREA	100831	52O08G152	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	101525	52O08G158	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	101526	52O08G197	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	102692	52O08H064	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	102906	52O08H121	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	118004	52O08H084	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	118221	52O08H164	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	121656	52O08G178	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	121657	52O08G200	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125050	52O08H046	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125051	52O08H045	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125052	52O08H065	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125053	52O08H106	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125760	52O08H124	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125761	52O08H122	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	125762	52O08H161	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	129676	52O08G154	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	160810	52O08G139	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	164956	52O08G172	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	166304	52O08G179	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	166305	52O08G198	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	169680	52O08H086	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	169681	52O08H085	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	173060	52O08H163	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	178291	52O08G133	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	178314	52O08G171	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	179657	52O08G160	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	189146	52O08G100	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	189147	52O08H123	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	189148	52O08H141	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	194210	52O08G153	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	194211	52O08G173	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	195563	52O08G138	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	218371	52O08H104	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	219081	52O08H081	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	224876	52O08G131	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	226523	52O08H103	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	226524	52O08H144	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	226525	52O08H142	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	227088	52O08H125	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	231687	52O08G174	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	260845	52O08G151	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	262197	52O08G177	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	262198	52O08G196	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	265588	52O08H066	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	266276	52O08H102	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	266277	52O08G120	SCMC	16/03/2022	100% (412507) ARDIDEN LTD

DONA LAKE AREA	266278	52O08H162	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	273549	52O08H044	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	273550	52O08H105	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	282260	52O08G137	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	282261	52O08G136	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	285637	52O08H026	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	285770	52O08G194	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	289638	52O08G157	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	289639	52O08G176	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	293068	52O08G155	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	293147	52O08H143	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	297669	52O08G134	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	297670	52O08G132	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	321676	52O08H025	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	321677	52O08H024	BCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	322315	52O08G175	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	341207	52O08G159	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	341208	52O08G156	SCMC	16/03/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	101396	52O08G053	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	116721	52O08G051	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	166176	52O08G110	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	178995	52O08G052	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	194187	52O08G112	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	232868	52O08G074	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	268320	52O08G114	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	268321	52O08G113	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	281607	52O08G050	SCMC	11/04/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	551427	52O08G135	SCMC	13/06/2022	100% (412507) ARDIDEN LTD
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DONA LAKE AREA	562024	52O08H126	SCMC	17/10/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	562025	52O08H145	SCMC	17/10/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	562026	52O08H165	SCMC	17/10/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535546	52O08G219	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	535547	52O08H181	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535548	52O08G220	SCMC	30/11/2022	100% (412507) ARDIDEN LTD

COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535549	52O08G216	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535550	52O08G218	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535551	52O08H201	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	535552	52O08H184	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	535553	52O08H182	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535554	52O08G215	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535555	52O08G217	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
COUCHEEMOSKOG LAKE AREA,DONA LAKE AREA	535556	52O08G214	SCMC	30/11/2022	100% (412507) ARDIDEN LTD
DONA LAKE AREA	535557	52O08H183	SCMC	30/11/2022	100% (412507) ARDIDEN LTD

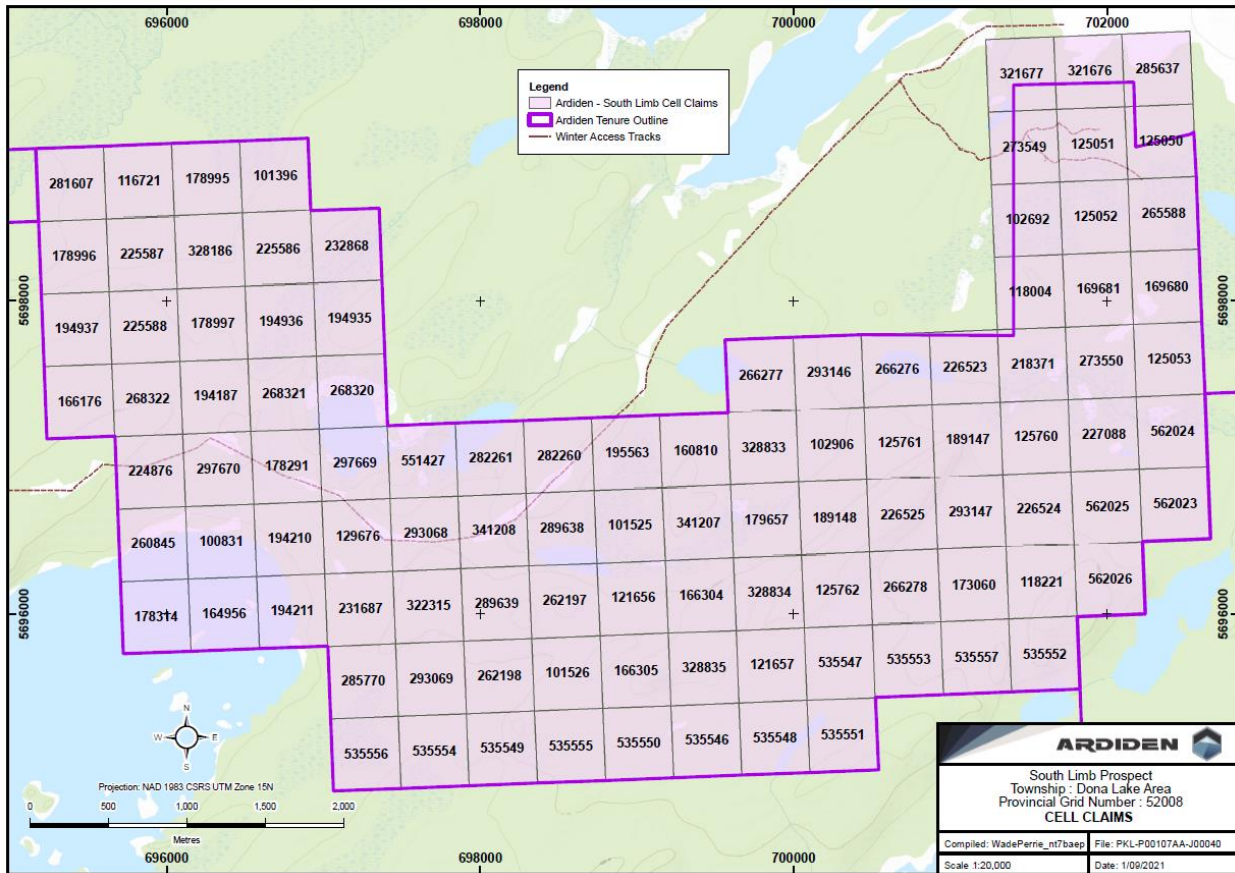


Figure 2 – Regional Location and Access to the South Limb Project, Dona Lake Area

Access Infrastructure and Resources

The Project is located within the Mishkeegogamang First Nations traditional lands. The property falls within the taa shi kay win land use planning area.

This property is accessible by year-round access track to the past producing Dona Lake Mine. This access road turns off Provincial Road 599, which runs between Ignace and Pickle Lake, at 694440mE, 5696890mN (UTM, Zone 15, NAD83) (Figure 2). Axiom has utilised this track to complete the UAV survey work as described within the report.

The villages of Pickle Lake and neighbouring Central Patricia are the centre of commercial activity in the area. Amenities available in these villages include groceries, fuel, telecommunications, hotel accommodation, and regular charter aircraft services to Thunder Bay. The major population center in the area is Thunder Bay, 235 km southeast of Ignace. This city provides significant cultural, social, commercial, educational, and medical facilities in northwestern Ontario. Goods and services relevant to minerals exploration and mine production are readily available in Thunder Bay.

Climate and Physiography

Elevations on the 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 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 southeastern 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.

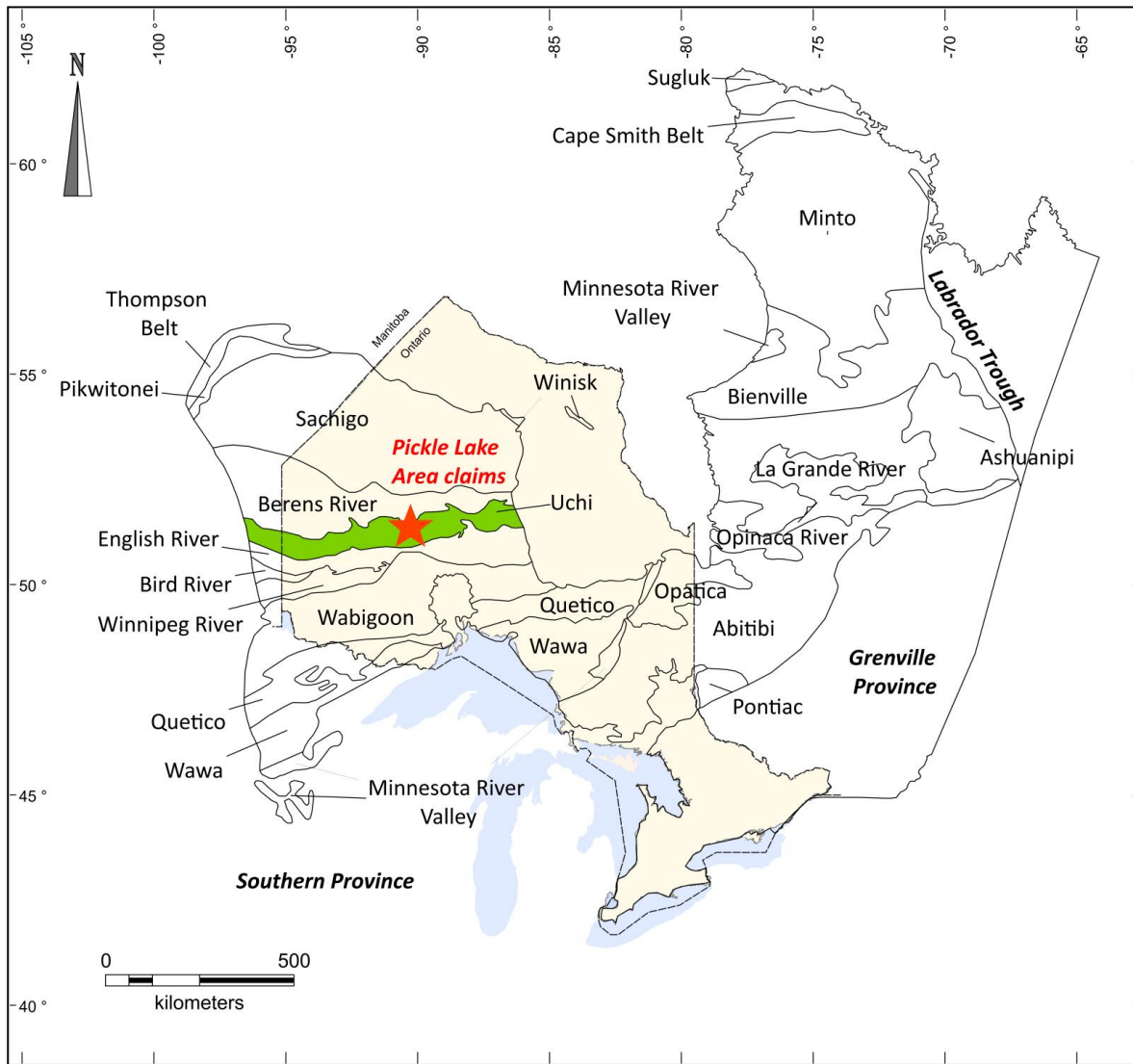


Figure 3 – Geological Subprovinces

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 southeastern 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). 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 northwestern 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 4). 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.

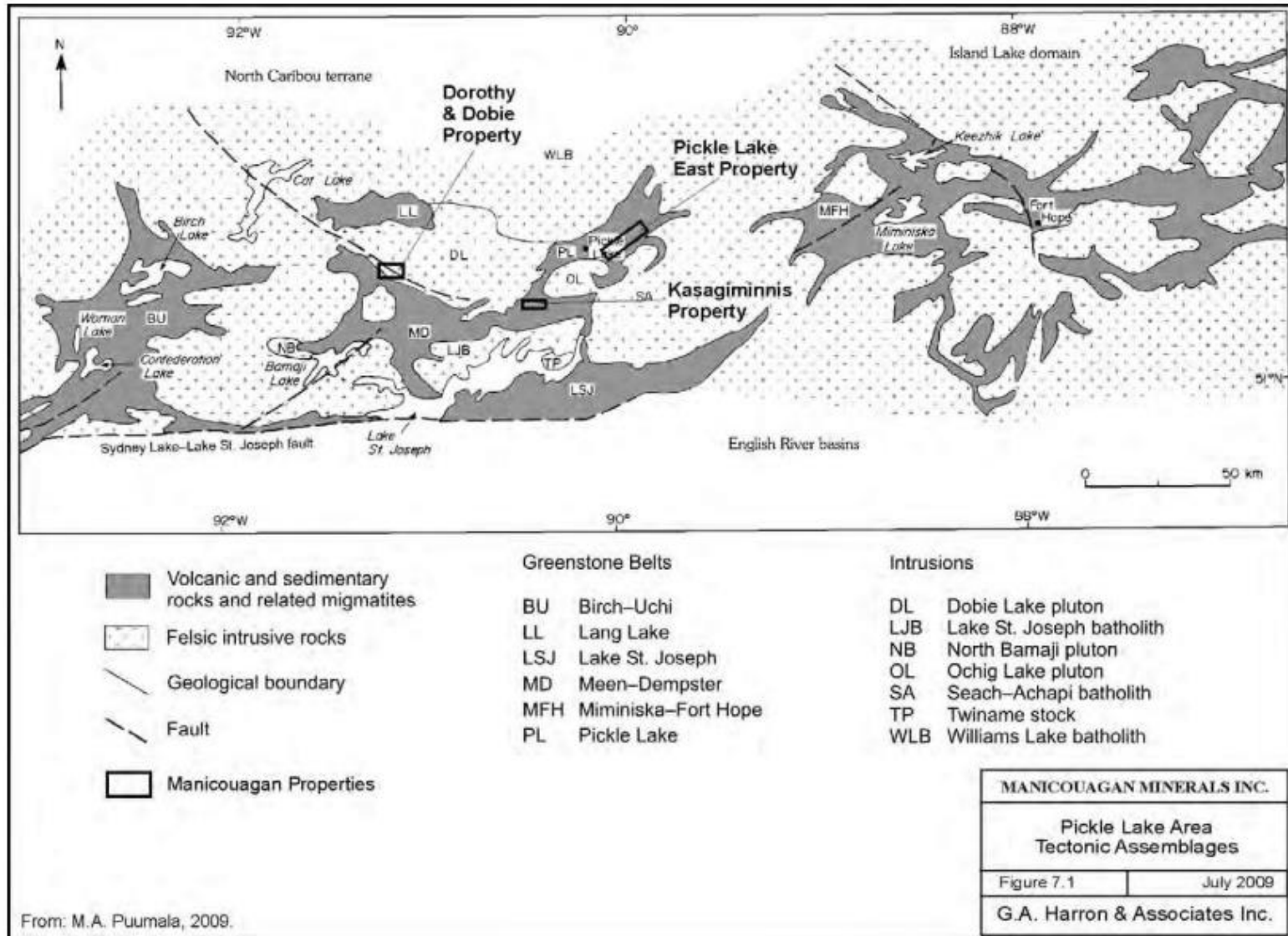


Figure 4 – Pickle Lake Area Tectonic Assemblages (Herron, 2009)

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 northwestern 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.

South Limb Project Geology

The general geology of the Pickle Lake area is best documented by Young et al (2006). The Property is underlain by portions of both the Pickle Crow and Confederation assemblages. These groups of rocks have been intruded by diabase, diorite, and lamprophyre dykes. In the Property area, volcanic rocks of the Pickle Crow assemblage have been intruded by three late granitic stocks known as the Ochig Lake, Hooker-Burkowski, Pickle Lake Stocks and Quarrier Tonalite Gneiss Intrusion (Figure 5).

The Ochig Lake Stock (~2741 Ma) is the largest of the three intrusive bodies. It consists of homogenous granodiorite to trondhjemite. This stock primarily exists in the southern portion of the Property. The Hooker-Burkowski Stock (~2716 Ma) is located southeast on the Property and intersects all Pickle Lake greenstone belt assemblages. The southern margin of the stock is well exposed on the property and is composed of quartz phyric trondhjemite.

The Project is located near the contact of the Confederation assemblage and consists of intercalated mafic to intermediate volcanic rocks. The bulk of this assemblage occurs across the property with the assemblage being deposited unconformably on the overturned Pickle Crow assemblage to the north. 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 Project 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 intrusive bodies, the Ochig Lake Pluton and Quarrier Tonalite Gneiss Intrusion, to the east and west respectively, resulting in a narrowing of the belt to approximately three kilometers 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 in the western region of the property.

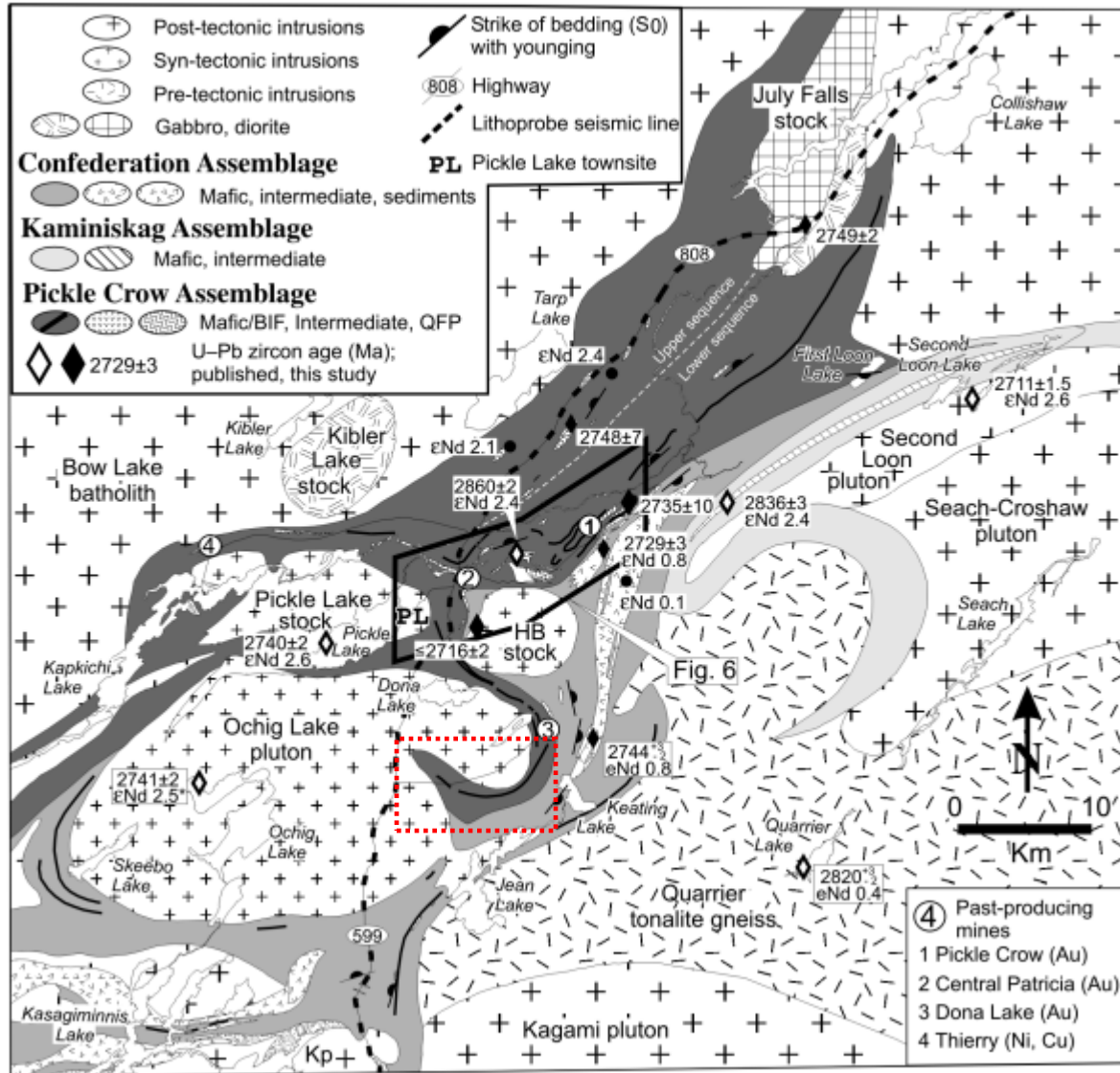


Figure 5 – South Limb Project (red dashed area) and Regional Geology (Young et al, 2006)

The South Limb project is underlain by the Pickle Lake and Confederation assemblages of the Pickle Lake greenstone belt. The former producing Dona Lake mine and South Limb property are located within the Pickle Lake assemblage. The following description of the Dona Lake property below was provided by former Dona Lake mine geologist Cahoon (1986) and consistent with South Limb property and local geology.

Alteration and Mineralization

Gold mineralization at the South Limb property is orogenic in nature and occurs in complexly folded and sheared, mainly tholeiitic, volcanic rocks of the Pickle Crow assemblage near its contact with calc-alkaline

volcanic/volcaniclastic rocks of the Confederation assemblage. Host rocks for the mineralization include tholeiitic lavas, banded iron formation, intermediate volcanic/volcaniclastic rocks and quartz feldspar porphyry. Gold occurrences on the property are associated with iron formation-hosted gold mineralization.

The iron formation-hosted gold mineralization is set adjacent to vein structures and contains stringers, discontinuous lenses of quartz and the iron-bearing minerals have been replaced by sulphides. Both quartz and sulphides are gold mineralized.

Deposit Type

The Dona Lake Property is south of the previous producers, [ie. Pickle Crow, Central Patricia, etc.] in a separate greenstone sequence that trends south and merges with the Osnaburgh-Pickle Lake belt. The main trend on the property is described by the nearly circular, 11km long arc of high magnetics which wraps around the tongue of the Ochig Lake Pluton. The high magnetics are caused by a major, semi-continuous unit and numerous minor discontinuous units of oxide iron formation.

The formations occur within a package of tholeiitic, usually pillowed basalt and amphibolite with local tuffs and minor felsic volcanics and clastic sediments. These units dip away from the pluton at a very consistent 60° and also young away from the pluton, suggesting a pre-erosion domal structure over the intrusive. All of the volcanic and sedimentary units have been intruded by sodium-rich felsic dykes and albite porphyry with a composition similar to the Ochig Pluton. The entire assemblage has been metamorphosed to amphibolite grade, as indicated by the presence of garnet porphyroblasts, biotite, local amphibolites with blue-green hornblende, and the relative lack of chlorite.

The Dona Lake deposit is located in iron formation near the west-central portion of the property. The general geology in the immediate vicinity of the deposit, as derived from scattered outcrops, drilling, and ground magnetic surveys, consists of tholeiitic basalt separated by several major units of iron formation, and intruded by felsic dykes and albite porphyry. The volcanics and sediments strike north-south to locally northwest-southeast and dip to the east and northeast at 60°. Tops, as determined from well-preserved pillows, are also to the east.

The basalts, which are normally pillowed and massive, are very schistose and foliated in the vicinity of the iron formations. Some, but not all, of the felsic dykes are also affected by this foliation event. Virtually all of the iron formation has been isoclinally folded. The fold planes are parallel to overall stratigraphy and the fold axes plunge east down the dip of the iron formation. These folds have wavelengths of about 1m and amplitudes of up to 10m. It is within the fold axis of one of these broad-wavelength cross folds, in iron formation, that the Dona Lake gold deposit occurs.

The iron formations are usually classic oxide-facies iron formation, composed of finely bedded magnetite, chert and hornblende, with local grunerite, garnet, calcite and sulphides. A finely bedded chert-sulphide unit in the hanging wall has been genetically grouped with the iron-rich minerals other than sulphides and might be more properly termed a chert, since the sulphides may be secondary. Significantly, no carbonate iron formation, nor iron-rich carbonates, have been located on the property. There is some evidence to suggest

that the magnetite content is considerably reduced in mineralized sections, perhaps having been altered to pyrrhotite and/or grunerite. There are virtually no quartz veins and the few which do occur seldom contain gold. There is also no visible or geochemically evident siliceous alteration, at least not within the basalts. Within the iron formation, variable quartz content and the possibility of remobilization of original chert makes identification of siliceous alteration difficult in drill core.

All of the gold occurs in oxide-facies iron formation. Mineralized sections display the following characteristics: between 5% and 15% pyrrhotite virtually always accompanies gold. Notably, this relationship does not apply to pyrite; even when pyrrhotite is abundant, if the pyrite content exceeds 3%-4%, gold values are usually low. The pyrrhotite is fine-grained and wispy, cross cutting bedding and apparently replacing or displacing other minerals. There is no arsenopyrite and no evidence of geochemically anomalous arsenic. This situation should be contrasted with the other gold deposits in the Pickle Lake camp where vein quartz was usually the immediate host and arsenopyrite was often the main sulphide (Cahoon 1986).

History of Exploration on the Property

Mineral exploration in the central part of the Uchi sub-province began in 1928 with the discovery of Pickle Crow and Central Patricia Gold Deposits near Pickle Lake. In 1933 prospecting in the Meen and Kasagiminnis Lake areas discovered minor quantities of visible gold. In the 1940's through the 1960's minimal exploration is recorded in the area, except for the discovery of the Koval-Ohman gold deposit at Bancroft Lake. Hasaga Gold Mines Ltd optioned the property and drill defined a small potentially economic gold deposit. In the late 1960's and early 1970's the area was subject to a period of base metal exploration with the discovery of the Thierry Ni-Cu deposit at Pickle Lake, the Mattabi base metal massive sulphide deposit at Sturgeon Lake Union Miniere Explorations ("UMEX") completed airborne geophysical surveys over a large area, including the current Drum Lake Project with follow-up diamond drilling.

Interest in gold mineralization in the area was in the 1980's and resulted in the discovery of the Golden Patricia and Dona Lake Deposits. Since the early 1990's the level of mineral has diminished and only a few exploration companies. Since 2019 a renewed interest has started in the region with several exploration companies (Ardiden Ltd, AuTeco, Commander Resources Ltd, Metals Creek Resources Corp, New Origin Ltd) active in the area.

Exploration has been documented in the South Limb-Dona Lake area since 1973 as follows:

- 1973 UMEX completed one drill hole on the property C-136, No assay results reported.

- 1985-1989 Placer Dome Canada completed 60 drill holes on the property with limited assays reported. Significant results included 0.5m of 7.8 g/t Au, 1.0m of 4.8 g/t and 1.0m of 2.7 g/t Au.

- 2010 Manicouagan conducted a field mapping program at the western portion of the South Limb property, no significant gold values reported.

- 2011 Furgo Airborne Surveys carried out a helicopter – borne electromagnetic and magnetic GeoTEM survey on behalf of Manicouagan.
- 2020 Ardiden Limited contracted Axiom Exploration Group Ltd to conduct an unmanned aerial vehicle (UAV) magnetic geophysical and photogrammetry survey over the South Limb Project

2021 Diamond Drilling Program

Between 27 January until 13 February 2021, Ardiden conducted diamond drilling at the South Limb Project (PR-20-000211) near Pickle Lake, Ontario. Six drill holes SL-21-01 to SL-21-06 totaling 1,293 meters were drilled as part of a due diligence program to test and evaluate historical gold intercepts and magnetic anomalies south of the existing Dona Lake Mine (Table 2-3/Figure 6). The drilling forms part of an early-stage exploration and due diligence program to evaluate high grade historic gold intercepts and to add further definition to the known iron rich magnetic conductors that form key gold mineralization zones adjacent to the historical Dona Lake Mine. These historic gold occurrences were previously drilled in 1989 by Placer Dome Inc.

Personnel

Field operations were supervised by Ardiden Limited. The drill program was supervised by Daniel Grabiec P. Geo and Joseph Suk GIT. Exploration geologists (Rory Krockner), and access track labour was provided by Pleson Geoscience with Mishkeegogamang First Nations providing a geotechnician (Colin Munro). The drill contractor for the drill program was Majors Drilling Inc. from Winnipeg, Manitoba. All these individuals and contractors satisfactorily carried out their respective duties. The program was based out of Pickle Lake, located approximately 15 kilometers northwest of the project area.

Diamond Drilling

Drill hole collars for this program were spotted from historical drilling and geophysical interpretation of the current iron formation at South Limb. 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. No holes were abandoned with all target depths achieved for the six drill holes, all casing was pulled and capped.

Azimuths for SL-21-01- to SL-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 from the original drill lineup.

All drill core was orientated using a core orientation tool utilised by the drilling company, verification of orientation was completed by the geologist at the end of each run of core.

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 1293 metres is distributed across 4 claim cells (125051, 273549, 321676 and 321677), with two drill holes SL-21-01 and SL-2106 traversing two claims. The remaining 4 drill holes are located within a single claim.

Table 2 – Drill Collar Table

HOLE-ID	Easting (m)	NORTH (m)	ELEV (m)	DEPTH (m)	AZIMUTH	DIP	ASSAYS	SAMPLES
SL-2101	701696	5699146	387	206m	205	-45	165	144
SL-2102	701584	5699321	387	200m	270	-45	54	47
SL-2103	701610	5698886	387	170m	270	-45	64	56
SL-2104	701883	5698908	388	338m	215	-45	125	110
SL-2105	701952	5699096	388	200m	215	-45	12	11
SL-2106	702030	5699312	387	179m	245	-45	35	31

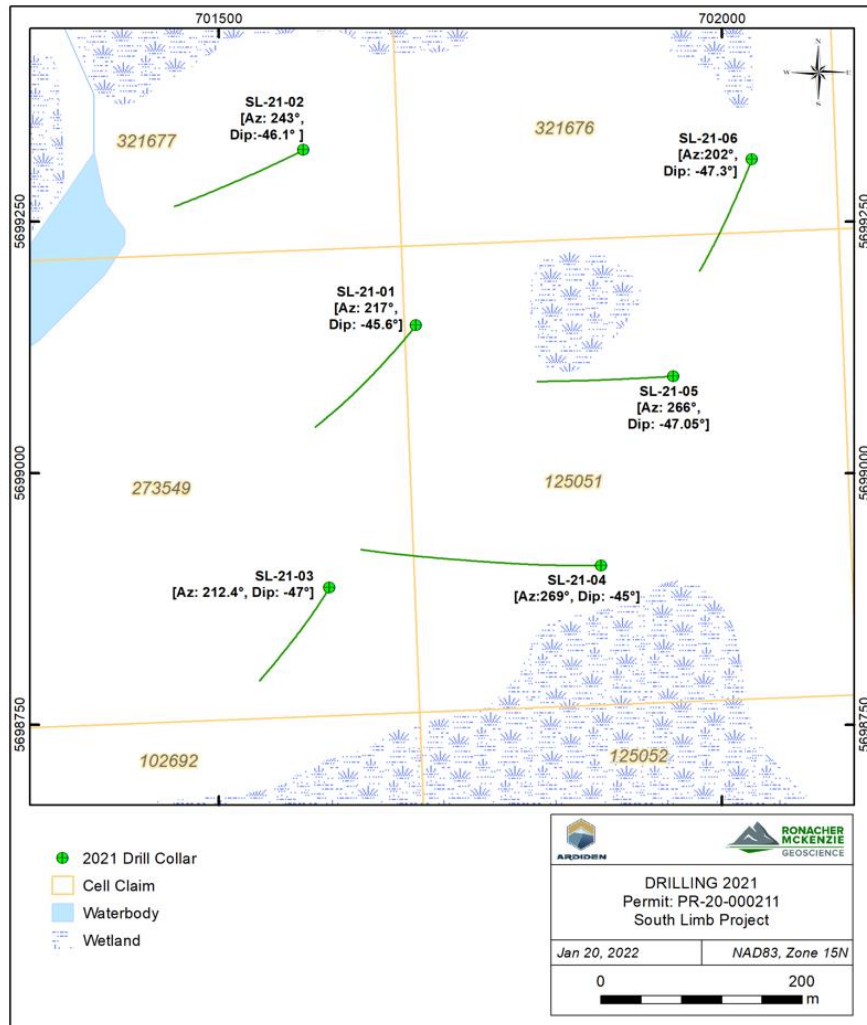


Figure 6 – Map of drill holes and access trail at the South Limb Prospect

Table 3 – Meterage per Claim

Hole_ID	Azimuth	Dip	Total Depth	Depth Per Cell	Cell_ID	Cell Total Depth
SL-21-01	215	-45	206	32	125051	0
SL-21-04	270	-45	338	338	125051	0
SL-21-05	270	-45	200	200	125051	0
SL-21-06	205	-45	179	75	125051	645
SL-21-01	215	-45	206	168	273549	0
SL-21-03	215	-45	170	170	273549	338
SL-21-06	205	-45	179	110	321676	110
SL-21-02	245	-45	200	200	321677	200

Drilling Access Trail

Access to the drill sites was via the current all year access road that is situated 16km from Pickle Lake on Highway 599. This road heads east off the highway and was created for the past producing Dona Lake mine. At approximately 7.9km along this road a trail was established in an easterly direction from Ardiden Limited’s earthworks contractor (Pleson Geoscience). A total of 2.5km was created to allow access into the six drill pad locations (Figure 7).

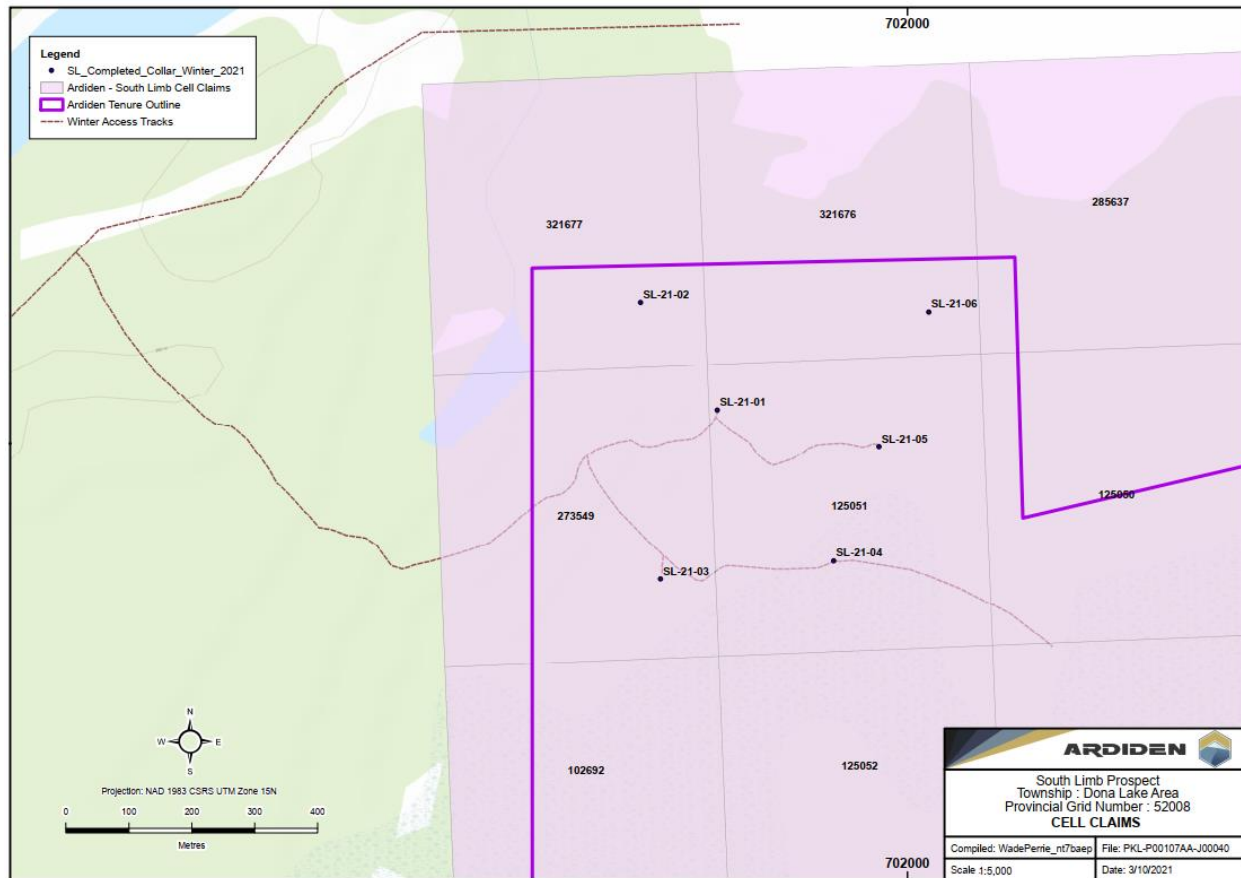


Figure 7 – Access Trail into the South Limb Prospect

Sampling and Analytical Methods

Diamond Drill Core Sampling 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 455 samples were taken across the 4 claim cells representing a total of 458 meters of sampling, which included 399 cores samples (Table 4), 22 standards, 12 duplicate samples and 22 blank standards.

Table 4 – Number of Samples per Drill Hole and Cell Claim

CELL CLAIM NUMBER	SL-21-01	SL-21-02	SL-21-03	SL-21-04	SL-21-05	SL-21-06	TOTAL
125051	0			110	11	31	152
273549	144		56				200
321676							0
321677		47					47
Total	144	47	56	110	11	31	399

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 0.55 to 1.6 metres in length. The average sample length for the program was 1.15 meters. 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 1.6-meter intervals and were taken over what appeared to be waste rock. All individual sample bags were labeled 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 21 standards analyses within the sample stream for drillholes 21-01 to 20-06. Three standards were used, with a high, a medium, and low Au-bearing certified reference material from CDN (CDN Resource Laboratories Ltd), CDN-GS-P5G, CDN-GS-3T and CDN-GS-4H.

The distribution of results for the low, medium and high-level standards was suitably distributed within 2 standard deviations of the certified value. Overall, no standards returned either low-level or high-level non-compliance failures exceeding 2 standard deviations.

Blank sample analysis totaled 22 assays with 2 of the total blank analyses returning anomalous Au values at detection, with values at 5 ppb Au for the detection limit.

A series of 12 duplicated assays were conducted by the company (Ardiden) 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.

An additional 31 laboratory duplicates were conducted by Activation Laboratories (Thunder Bay) with all assays displaying a satisfactory result represented across the Au values, again a certain level of 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^2 value of 0.962 (Figure 6).

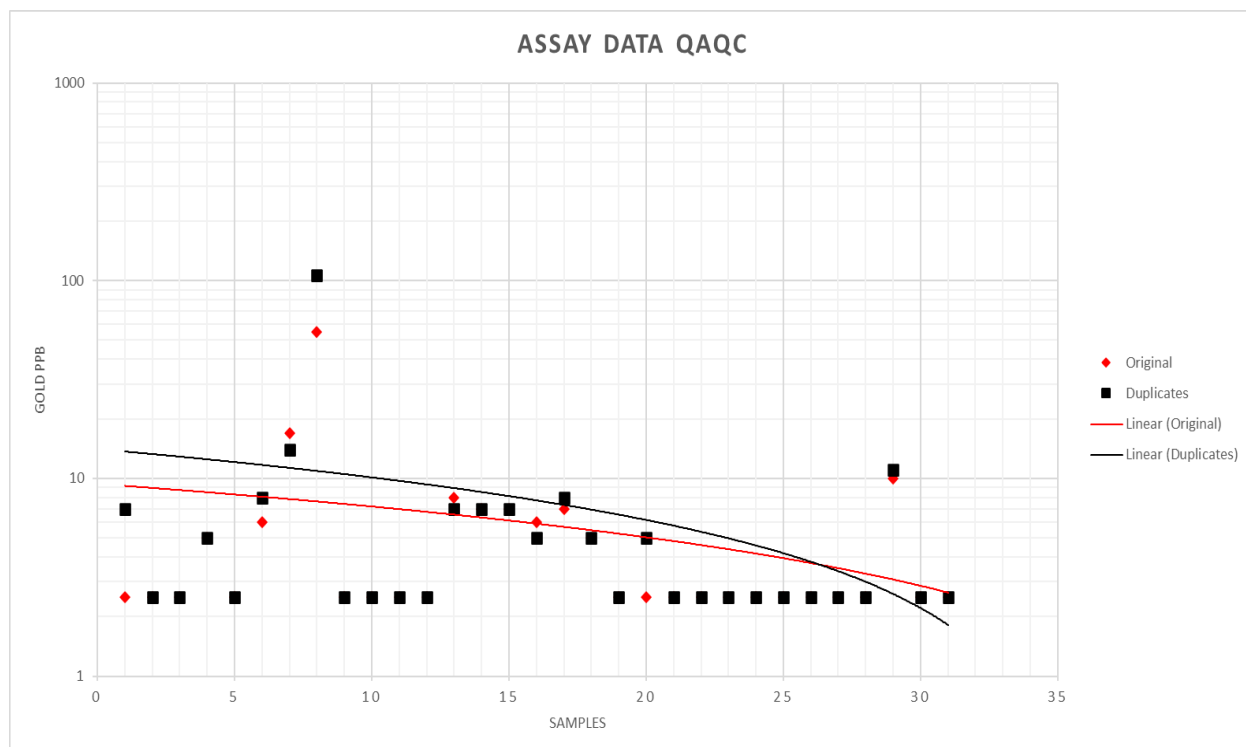


Figure 8 – Sample QAQC Plot for Duplicate Assays

Sample Preparation and Analytical Methods

The samples were first analyzed 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 30 standards were inserted in series to the rock samples. One of three alternating standards were added to the series every 20 samples (0.562g/t Au, 3.05g/t Au, 5.01g/t). A total of 31 blanks of ¼" crushed silica was also added in series every 20 samples. A total of 14 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 Winter 2021 Exploration Program was performed on diamond drill core from all holes completed. No drill holes were abandoned due to poor ground conditions with all drill holes reaching the target depth and sampling regime.

Results

Six diamond drill holes SL-21-01 to SL-21-06 totaling 1293 meters were drilled on mining claims 125051, 273549, 321676 and 321677. The holes were drilled in an east-west and west-south-west direction as the target horizon generally strikes north-south and dips steeply (70° - 80°) to the east.

One drill hole was completed per drill pad with the drill rig being moved via bulldozer. Holes were planned with a varying downhole dip from surface to test the zone of mineralisation with depth continuation. All hole's SL-21-01 to SL-21-06 were drilled with an orientation between 205° to 270°. Overburden conditions were typical of the region with depths ranging from 5.3 to 29.2 meters and often contained very large granitic boulders mixed with sand. No holes were abandoned during the drill program with all target depths being reached.

Drilling was completed over a small area in respect to the property size, geologically holes to the west demonstrated a proximal locality to the granitic pluton at depth the holes moving east generally displayed a strongly foliated series of mafic volcanics. The holes were collared into 6-30 meters of mafic volcanics (historically called a gabbro) along with foliated amphibolite schist, intercalated iron formation-mafic volcanic sequences and quartz porphyries.

The 3 drill holes to the west (SL-21-01/03) intercepted a series of interbedded and foliated mafic volcanics and quartz porphyries, representative sulphide mineralisation with disseminated pyrite before entering a basement of tonalites.

Mineralisation and alteration zones displayed a series of thin sulphide bands within the iron bearing metasediments that is generally silicified/bleached and occasionally mineralised for an area of 0.5 to 5 meters at the contact. Minor zones of quartz flooding were intersected and rare shearing and or folding with the disseminated 1-2% pyrite.

The remaining 3 holes to the east (SL-21-04/06) subsequently displayed similar lithologies the first 3 holes with interbedded metasediments, mafic volcanics and quartz porphyries. Whilst no tonalite was present at depth confirming the geological model and proximal contact to the granitic pluton. Mineralisation and alteration zones displayed a series of thin to moderate sulphide bands within the iron bearing metasediments that is generally silicified/bleached and occasionally mineralised for an area of 0.5 to 7 meters at the contact.

Minor zones of quartz flooding were intersected and rare shearing and or folding with the disseminated 5-7% pyrrhotite, 1-2% pyrite and trace chalcopyrite. The occurrence of a non mineralised felsic dyke was also present within SL-21-04/05.

All drill holes during this program were analysed to confirm and evaluate the postulated geology of the region before terminating each hole subsequent to traversing the metasediment unit.

Interpretations and Conclusions

The winter 2021 drill program at the South Limb Project met its original objectives although it failed to intersect gold mineralization within the six drill holes allocated to the program, whilst testing the historical geological model. Drilling clearly demonstrated the relationship between an iron bearing horizon, sulphide mineralization and alteration. The proximal location to the granitic pluton (tonalite) along with lack of pyrrhotite could attribute to the lack of gold mineralisation. More favourable iron bearing formations remain open to the east and coincide with the same structure that host the historical Dona Lake mine. Recently geophysical surveys displayed a strong magnetic signature within the rocks and whilst it was also noted the horizon was definitively not a classic banded iron formation of chert and magnetite but lean iron formation with identifiable horizons of more or less magnetite within the unit.

Additional work is warranted to the eastern extension of the South Limb Prospect that is a continuation of the same iron bearing formation that hosts the Dona Lake mine and significant mineralisation.

Ongoing analysis and review on the structural controls of the Project has merit given mineralisation appears to be consistent with a structurally controlled component and associated with iron bearing metasediments within the greenstone belt.

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 Northwestern Ontario (Figure 2).

The complete claim details for the South Limb 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 and signing of an MOU (Memorandum of Understanding) between the Mishkeegogamang First Nation Community and Ardiden Limited the company attended 10 meetings at Mishkeegogamang First Nation Community Band Offices. Details and summary for each meeting is included in Appendix 4. 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. Note a long period of little activity due to Covid 19 and the community being closed down.

Recommendations

Based on the results of the diamond drilling program, a further two-phase exploration program is warranted on the Project.

Exploration Phase I

Further exploration on the Project should include a 2000-3000 metre program of 20-30 drill holes recommended to effectively drill test the anomalous mineralisation of the Project. In addition, a ground magnetic survey (GMAG) should be planned to cover the region to the south of the Dona Lake mine on the property. Whilst historical drilling on the property has highlighted anomalous gold results, further drill holes should test depth extents of the known mineralization along with the targeting along strike to develop a larger, potentially economic, deposit size. Elsewhere in the Pickle Lake Greenstone belt, iron formation related gold has been mined successfully to depths of down to ~1,200 metres at the Central Pickle mine.

Exploration Phase II

In conjunction to the results of Phase I, a further airborne magnetic geophysical survey is recommended across the iron formation within the Project, combined with a detailed structural interpretation and a second round of drilling to test the structural hypothesis and mineralisation that coincides with the Dona Lake mine.

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Statement of Qualifications

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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 "Winter 2021 South Limb Gold Project Diamond Drilling Report, South Limb 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 January 2021.

Dated 31 December 2021

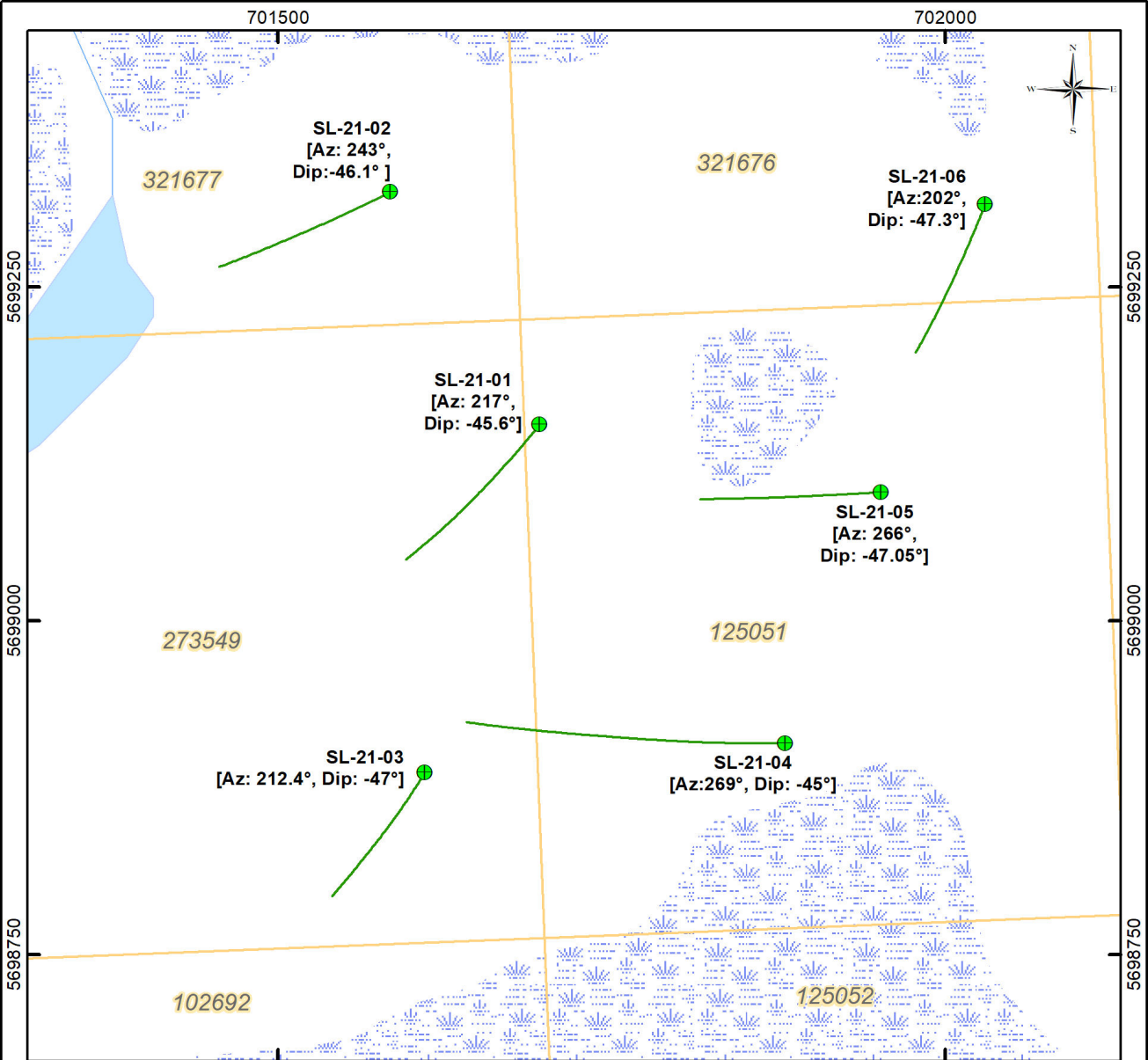
"Haydn Daxter"

Haydn Daxter BSc MAIG

Exploration Manager

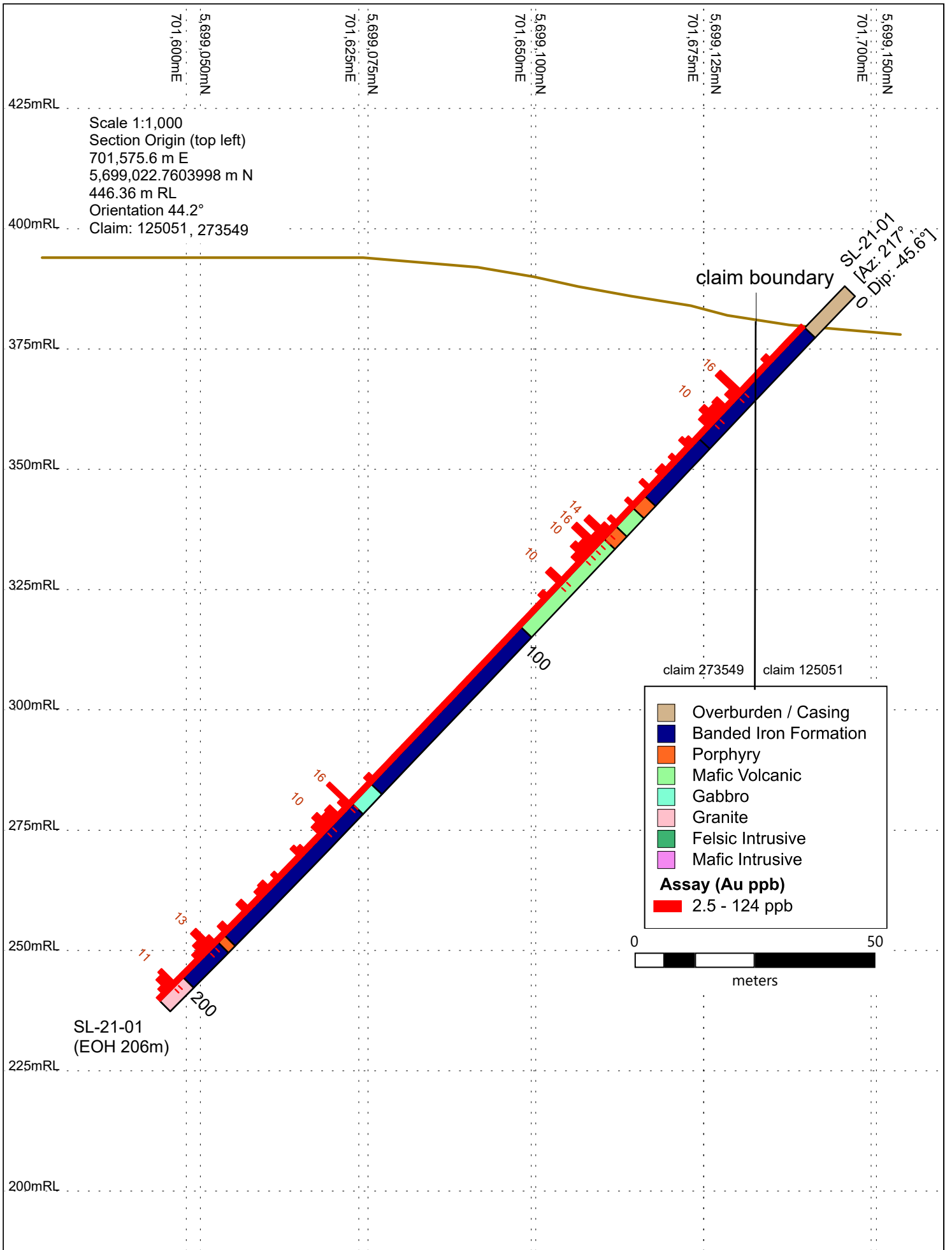
Ardiden Limited

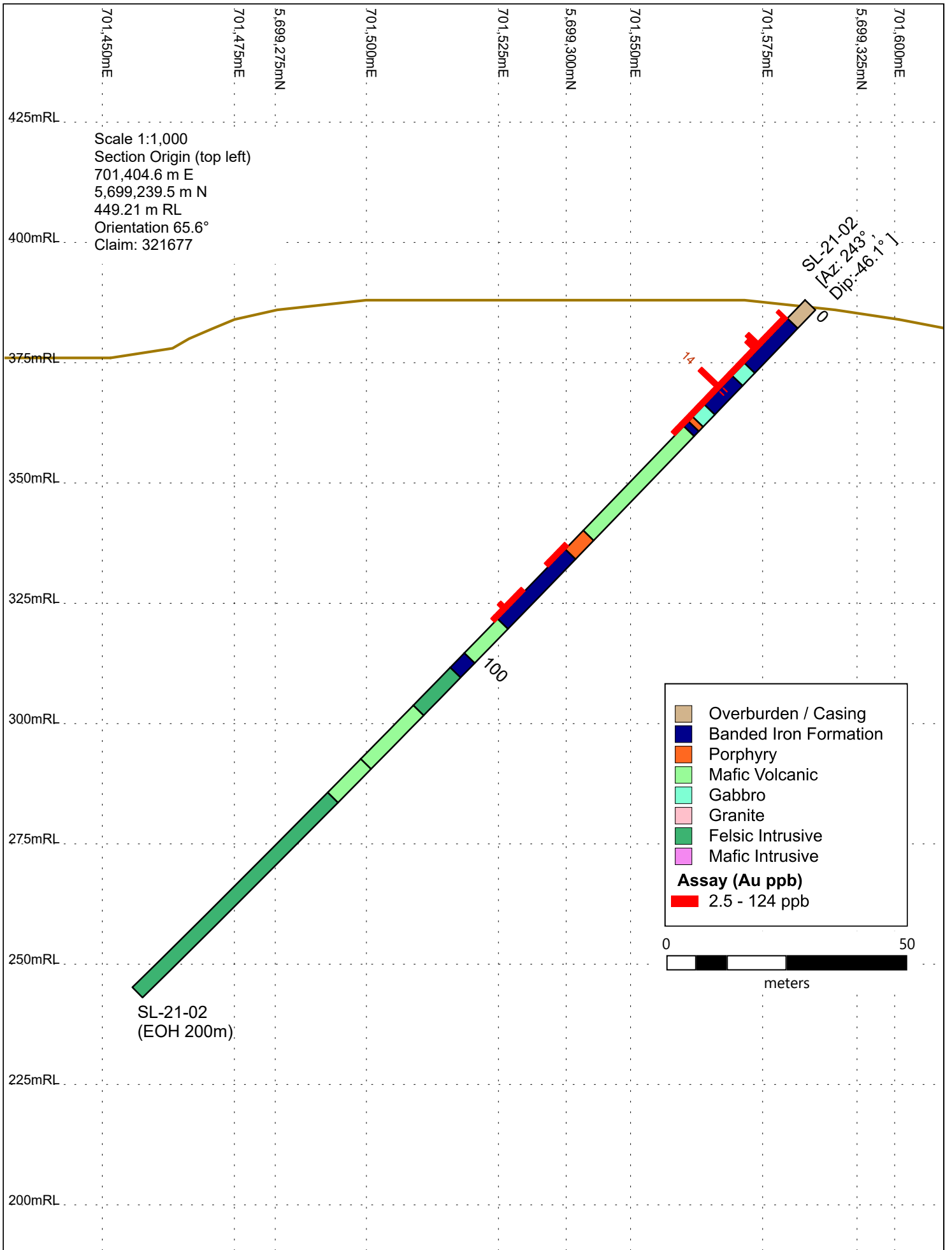
1 Appendix I Diamond Drill Plan Map & Cross Sections

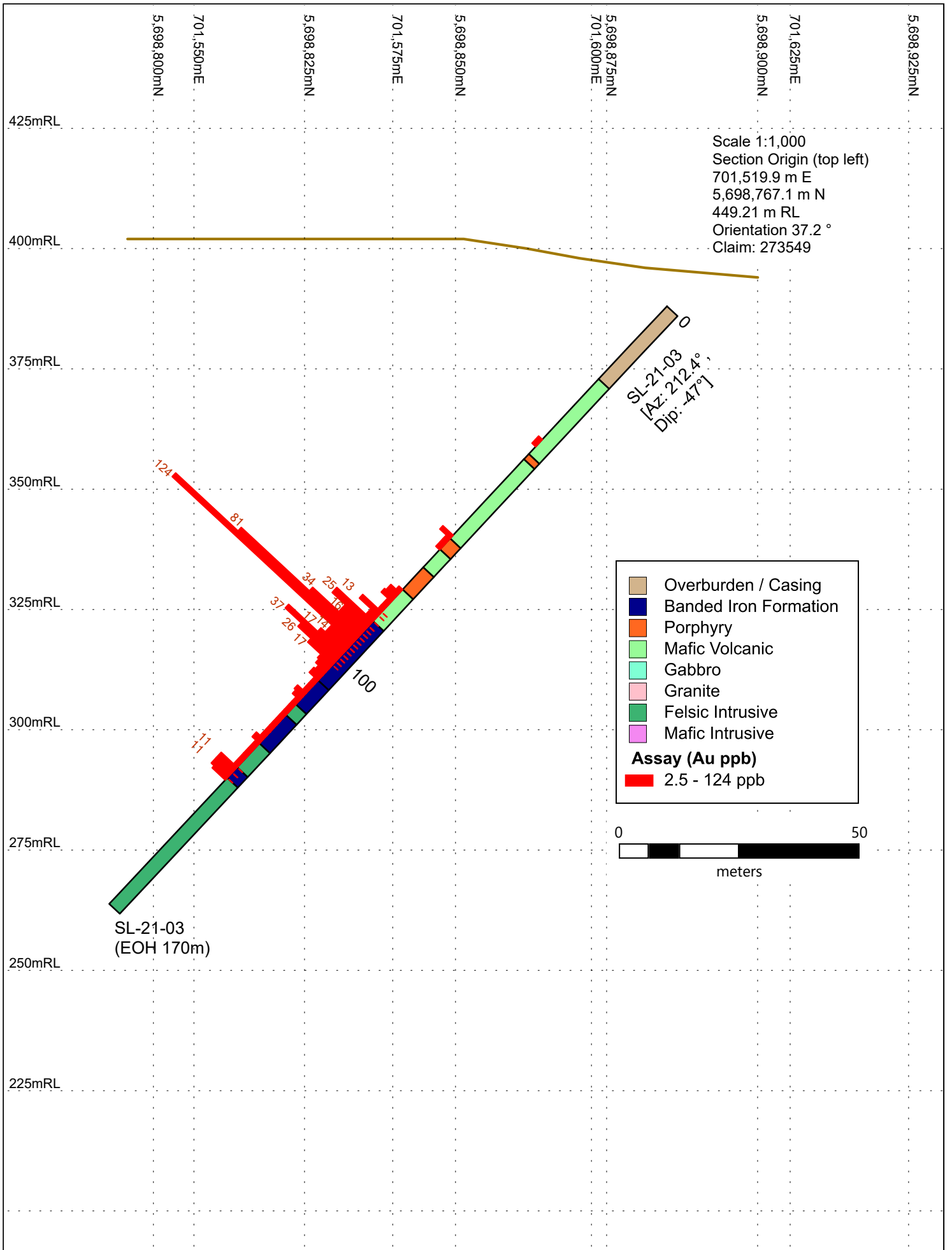


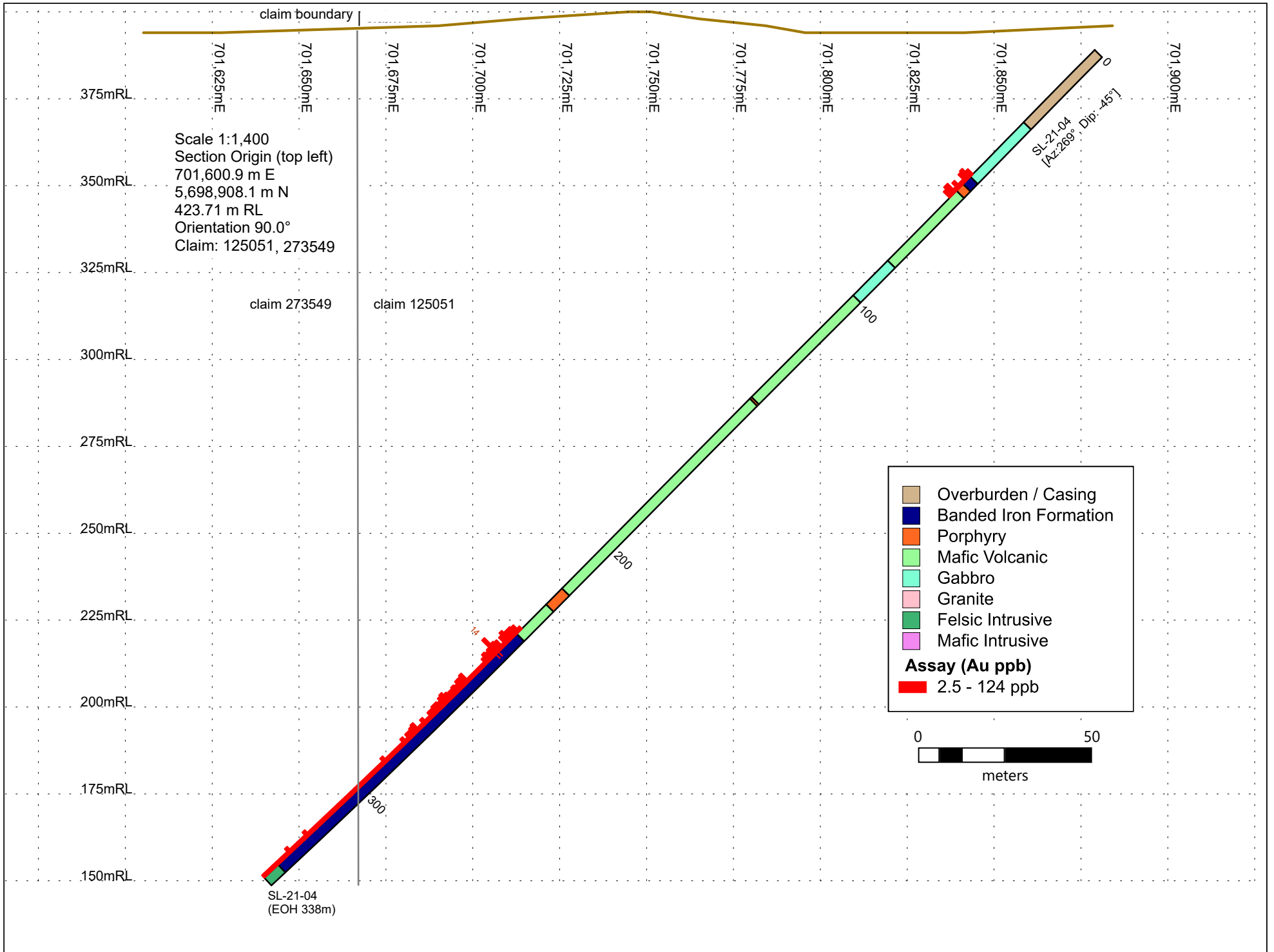
- 2021 Drill Collar
- Cell Claim
- Waterbody
- Wetland

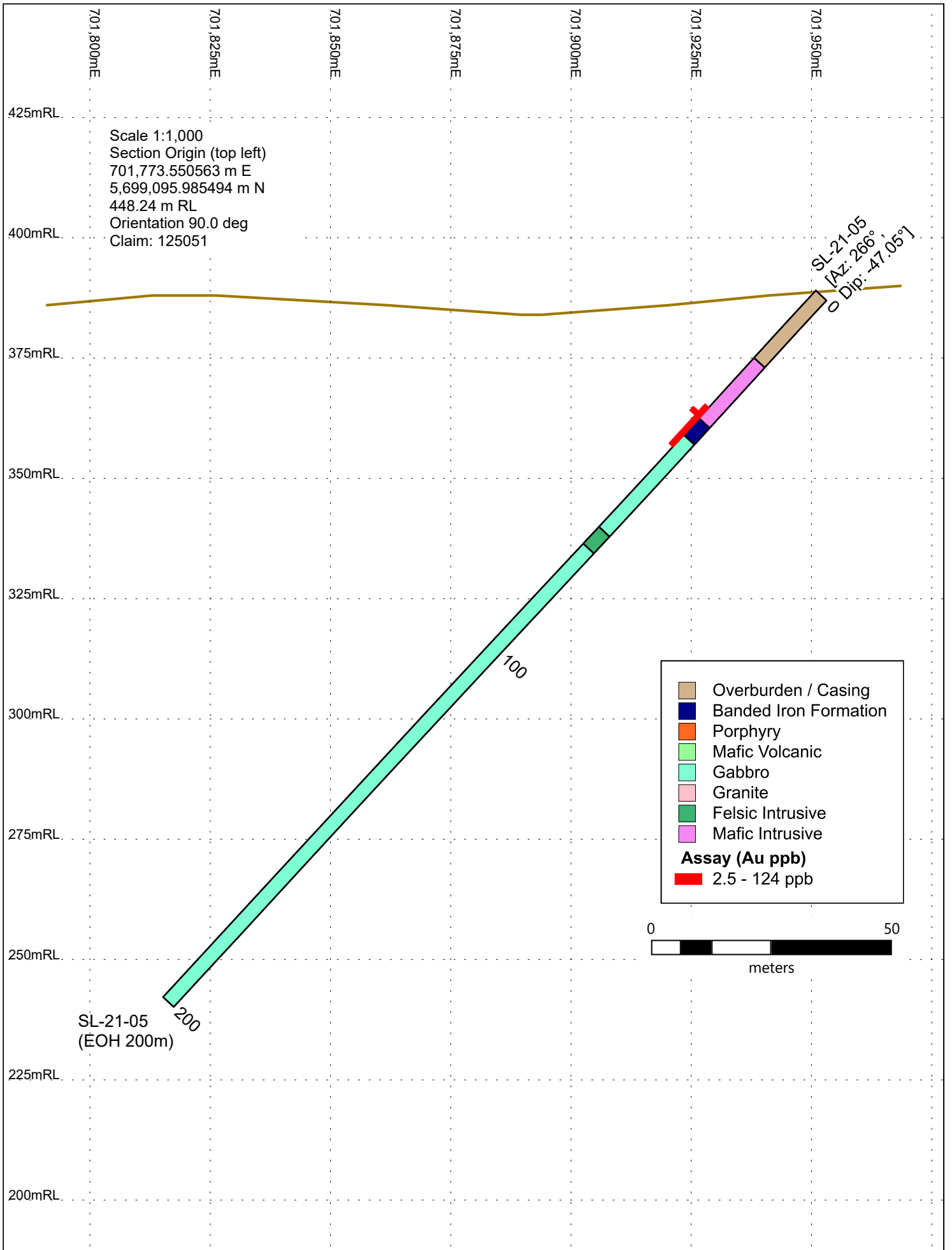
DRILLING 2021 Permit: PR-20-000211 South Limb Project	
Jan 20, 2022	NAD83, Zone 15N
0 200 m	

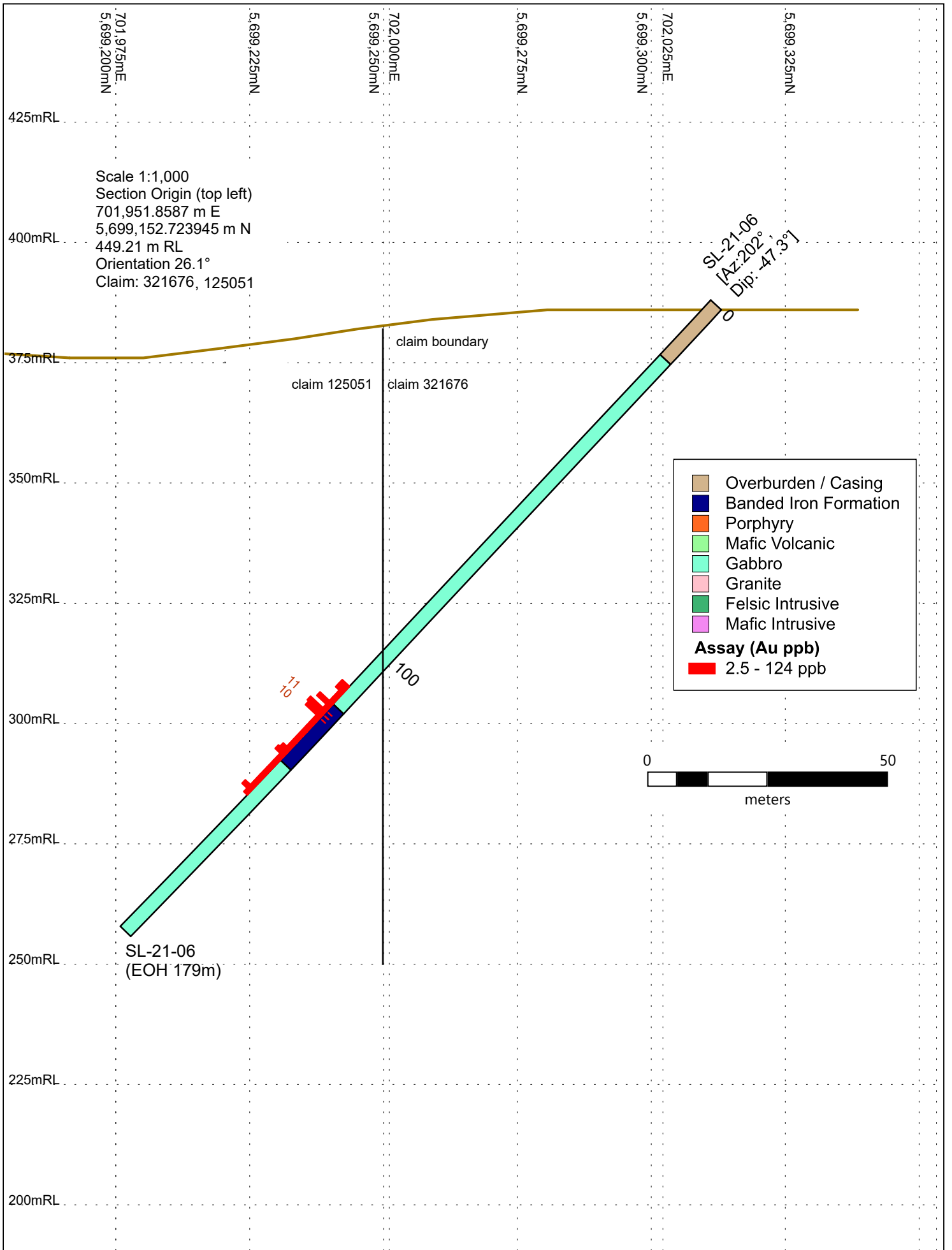












2 Appendix II Diamond Drill Logs



DRILL LOG REPORT

Hole Size: NQ		Drilling Contractor: Major Drilling		Start Date: 1/26/2021		Azimuth: 217		Coordinates						
Claim #: 125051		Casing Left in Hole: Yes		End Date: 1/28/2021		Dip: -45		Grid: NAD83 / UTM zone 15N						
Core Storage: Murillo		Casing Length (m): 18		Logger: Rory Krockner		Act. Depth (m): 206		Easting: 701696						
		Casing Capped: Yes		End Date of Logging: 1/29/2021				Northing: 5699146						
								Elevation (m): 387						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
0	12	Overburden												
12	43.9	Banded Iron Formation	Banded	Mafic Volcanic	Foliation	17.95	35	Straight up foliation measurement not oriented at 35 degrees to core axis.	1096334	12	13	1	2.5	
Banded Iron Formation (30-40%) intercalated with mafic volcanics (30-40%) and local porphyry dykes (20%). Both the BIF and mafic volcanics are locally strongly deformed and folded with axial rplanes typically parallel to foliation at 45-60 degrees to core axis. Semi-pervasive chlorite alteration. 2-4% disseminated pyrite with local stringers parallel to foliation. Trace disseminated chalcopyrite.									1096335	13	14	1	2.5	
									1096336	14	15.5	1.5	2.5	
									1096337	15.5	17	1.5	2.5	
									1096338	17	18.5	1.5	2.5	
									1096339	18.5	20	1.5	2.5 2% Banded Py	
									1096341	20	21.5	1.5	2.5	
									1096342	21.5	23	1.5	5 One 3cm semi massive band of py	
									1096343	23	24.5	1.5	2.5	
									1096344	24.5	26	1.5	2.5	
									1096345	26	27.5	1.5	2.5	
									1096346	27.5	29	1.5	2.5	
									1096347	29	30.5	1.5	2.5	
									1096348	30.5	32	1.5	16	
									1096349	32	33.5	1.5	6	
									1096351	33.5	35	1.5	2.5	
									1096352	35	36.5	1.5	8	
									1096353	36.5	38	1.5	7	
									1096354	38	39.5	1.5	10	
									1096355	39.5	41	1.5	7	
									1096356	41	42.5	1.5	2.5	
									1096357	42.5	43.9	1.4	2.5	
43.9	60.3	Banded Iron Formation	Banded	Mafic Volcanic	Foliation	44	60	Not oriented	1096358	43.9	45	1.1	2.5 4% Banded Py	
Banded Iron Formation (50%) intercalated with mafic volcanics (50%). No porphyry dykes.									1096359	45	46	1	5 2% Banded Py	
Banded Iron Folded with locally upwards of 5% Py. Overall 2% banded Pyrite. Semi-pervasive chlorite alteration in the Mafic Volcanic. 1% veining.									1096361	46	47	1	7 1% Banded Py	
									1096362	47	48	1	2.5 1% Banded Py	
									1096363	48	49	1	2.5 1% Banded Py	
									1096364	49	50	1	2.5 3% Banded Py	
									1096366	50	51	1	5 2% Banded Py	
									1096367	51	52	1	2.5 2% Banded Py	
									1096368	52	53	1	2.5 4% Banded Py	
									1096369	53	54	1	5 1% Banded Py	
									1096371	54	55	1	5 1% Banded Py	
									1096372	55	56	1	2.5	
									1096373	56	57	1	2.5 3% Banded Py	
									1096374	57	58	1	2.5 2% Banded Py	
									1096375	58	59	1	7 1% Banded Py	
									1096376	59	60.3	1.3	2.5 3% Banded Py	
60.3	63.8	Porphyry	Porphyritic		Sharp	60.3	55	Porphyry Contact	1096377	60.3	61.9	1.6	2.5	
Light grey quartz feldspar massive Porphyry. Minor biotite alteration. Trace disseminated sulphides.									1096378	61.9	62.9	1	2.5	
									1096379	62.9	63.8	0.9	6	
63.8	69	Mafic Volcanic	Flow						1096381	63.8	65	1.2	2.5	
Dark Green strongly chloritic Mafic Volcanic. Moderate Biotite. Metamorphic name would be Chlorite Biotite Schist. 1% veining.									1096382	65	66.5	1.5	2.5	
									1096383	66.5	68	1.5	2.5	
									1096384	68	69	1	6	
69	72.6	Porphyry	Porphyritic						1096385	69	70	1	2.5	



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments	
Light grey quartz feldspar massive Porphyry. Minor biotite alteration. Trace disseminated sulphides.					Sharp	69	60	Porphyry Contact	1096386	70	71.1	1.1	6	2% Banded Py	
									1096387	71.1	72.6	1.5	14		
72.6	97.8	Mafic Volcanic	Flow	Porphyry					1096388	72.6	74	1.4	6		
Dark Green strongly chloritic Mafic Volcanic. Moderate Biotite. Metamorphic name would be Chlorite Biotite Schist. 1% veining. Trace disseminated sulphides. 3 <1m porphyries (same as above)					Sharp	72.6	60	Porphyry Contact	1096389	74	75.5	1.5	16		
					Contact	75.5	80	Vein Contact	1096391	75.5	77	1.5	8		
					Foliation	85	60	Foliation	1096392	77	78.5	1.5	10	4% Banded Py	
									1096393	78.5	80	1.5	6		
									1096394	80	81.5	1.5	2.5		
									1096395	81.5	83	1.5	2.5		
									1096396	83	84.5	1.5	2.5		
									1096397	84.5	86	1.5	10		
									1096398	86	87.5	1.5	2.5		
									1096399	87.5	89	1.5	2.5		
									1096401	89	90.5	1.5	5		
									1096402	90.5	92	1.5	2.5	Contains Porphyry	
									1096403	92	93.5	1.5	2.5		
									1096404	93.5	95	1.5	2.5		
									1096406	95	96.5	1.5	2.5		
									1096407	96.5	97.8	1.3	2.5		
	97.8	142.9	Banded Iron Formation	Banded	Mafic Volcanic										BIF with 3% disseminated py with
Banded Iron Formation (25%). Mafic Volcanic (70%). Porphyry (5%). Intercalated BIF and Volcanic with minor local porphyries. Locally isoclinally folded Iron Formation and strongly sheared. 2% SMA/Stringer PY. Trace Chalcopyrite.					Foliation	98	60	Foliation	1096408	97.8	99	1.2	2.5	stringers, trace cpy, strongly deformed.	
					Foliation	107	58	Foliation	1096409	99	100	1	2.5		
					Foliation	111	59	Foliation	1096411	100	101	1	2.5		
					Bedding	122.5	45	BIF	1096412	101	102.5	1.5	2.5		
									1096413	102.5	104	1.5	2.5		
						Foliation	141	45	Foliation						BIF with 3% disseminated py with
									1096414	104	105.5	1.5		2.5	stringers, trace cpy, strongly deformed.
															BIF with 3% disseminated py with
									1096415	105.5	107	1.5		2.5	stringers, trace cpy, strongly deformed.
															BIF with 3% disseminated py with
								1096416	107	108.5	1.5		2.5	stringers, trace cpy, strongly deformed.	
														BIF with 3% disseminated py with	
								1096417	108.5	110	1.5		2.5	stringers, trace cpy, strongly deformed.	
														BIF with 3% disseminated py with	
								1096418	110	111.5	1.5		2.5	stringers, trace cpy, strongly deformed.	
								1096419	111.5	113	1.5		2.5		
								1096421	113	114.5	1.5		2.5		
								1096422	114.5	116	1.5		2.5		
								1096423	116	117.5	1.5		2.5		
								1096424	117.5	119	1.5		2.5		
								1096425	119	120.5	1.5		2.5		
								1096426	120.5	122	1.5		2.5	2% banded py	
								1096427	122	123.5	1.5		2.5	4% scattered banded py	
								1096428	123.5	125	1.5		2.5	3% banded py	
								1096429	125	126.5	1.5		2.5		
								1096431	126.5	128	1.5		2.5		
								1096432	128	129.5	1.5		2.5		
								1096433	129.5	131	1.5		2.5		
								1096434	131	132.5	1.5		2.5	1% banded py	



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
									1096435	132.5	134	1.5	2.5	
									1096436	134	135.5	1.5	2.5	
									1096437	135.5	137	1.5	2.5	
									1096438	137	138.5	1.5	2.5	
									1096439	138.5	140	1.5	2.5	1% banded py
									1096441	140	141.5	1.5	2.5	
									1096442	141.5	143	1.5	5	
									1096443	143	144.5	1.5	2.5	
									1096444	144.5	146	1.5	2.5	
									1096446	146	147.5	1.5	2.5	2% banded py.
									1096447	147.5	148.6	1.1	2.5	
									1096448	148.6	149.5	0.9	16	3% py.
									1096449	149.5	150.5	1	6	4% py.
									1096451	150.5	152	1.5	2.5	
									1096452	152	153.5	1.5	8	1% py.
									1096453	153.5	155	1.5	7	
									1096454	155	156.5	1.5	10	
									1096455	156.5	158	1.5	7	
									1096456	158	159.5	1.5	2.5	
									1096457	159.5	161	1.5	2.5	
									1096458	161	162.25	1.25	2.5	
														6% diss/banded py on fringes of IF Chert
									1096459	162.25	163.25	1	5	Later. 20% Sphalerite? in Chert Bands.
									1096461	163.25	164.3	1.05	7	
									1096462	164.3	165.5	1.2	2.5	
									1096463	165.5	167	1.5	2.5	
									1096464	167	168.5	1.5	2.5	
									1096465	168.5	170	1.5	2.5	
														4% diss/banded py on fringes of IF Chert
									1096466	170	171	1	5	Later. 20% Sphalerite? in Chert Bands.
														2% diss/banded py on fringes of IF Chert
									1096467	171	172	1	2.5	Later. 20% Sphalerite? in Chert Bands.
									1096468	172	173	1	2.5	
									1096469	173	174.5	1.5	6	
									1096471	174.5	176	1.5	5	
									1096472	176	177	1	2.5	
									1096473	177	178	1	2.5	
									1096474	178	179	1	2.5	
									1096475	179	180.5	1.5	7	2% diss py in IF.
									1096476	180.5	182	1.5	2.5	
									1096477	182	183.5	1.5	2.5	
									1096478	183.5	185	1.5	2.5	
									1096479	185	186.5	1.5	6	
									1096481	186.5	188	1.5	2.5	
									1096482	188	189	1	2.5	
														5% disseminated banded py in sheared
									1096483	189	190	1	6	Iron Formation.
									1096484	190	191.5	1.5	13	
									1096486	191.5	193	1.5	8	
									1096487	193	194.5	1.5	5	
									1096488	194.5	196	1.5	2.5	
									1096489	196	197.5	1.5	2.5	
142.9	148.6	Gabbro	Granoblastic											
Medium grained Gabbro. Strong Chlorite and Biotite Alteration. No sig minz. 1% qtz veining.														
148.6	186.8	Banded Iron Formation	Banded											
Banded Iron Formation (10%). Mafic Volcanic (85%). 5% porphyritic dykes. Intercalated BIF and Volcanic. Locally isoclinally folded Iron Formation and strongly sheared. 2% SMA/Stringer PY. Trace Chalcopyrite. 162.3 to 163.8 is a banded iron formation with bands of sphalerite? and cross cutting qtz veins. 6% qtz veings along Magnetite/Chert boundaries.														
					Bedding	153	53	BIF						
					Bedding	162.5	48	BIF						
					Sharp	177.9	52	Contact						
					Foliation	184	51							
186.8	188.8	Porphyry	Porphyritic											
Porphyry with quartz and feldspar eyes.														
188.8	199.1	Banded Iron Formation	Banded											
Banded Iron Formation (10%). Mafic volcanic (70%). Porphyry (10%). Intercalated BIF and Volcanic. Iron Formation is locally folded. <1% trace sulphides throughout. 189.2 to 189.5 is a strongly sheared and qtz flooded Iron Formation with 5% banded/scattered Py on BIF/Chert boundaries.														
					Bedding	189.4	64							



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
199.1	206	Granite	Granoblastic	Mafic Volcanic					1096491	197.5	199.1	1.6	2.5	
Granite (60%). Mafic Volcanic(40%). Qtz/Feldspar/Biotite granite.									1096492	199.1	200	0.9	2.5	
					Sharp	203.5	72		1096493	200	201	1	2.5	
									1096494	201	202	1	11	
									1096495	202	203.4	1.4	9	
									1096496	203.4	204.5	1.1	5	
									1096497	204.5	206	1.5	2.5	



DRILL LOG REPORT

Drill Hole						Coordinates			
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	1/31/2021	Azimuth:	243	Grid:	NAD83 / UTM zone 15N
Claim #:	321677	Casing Left in Hole:	Yes	End Date:	2/1/2021	Dip:	-46	Easting:	701952
Core Storage:	Murillo	Casing Length (m):	6	Logger:	Rory Krockner	Act. Depth (m):	200	Northing:	5699096
		Casing Capped:	Yes	End Date of Logging:	2/2/2021			Elevation (m):	387

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
0	5.3	Overburden												
5.3	18.2	Banded Iron Formation	Banded	Mafic Volcanic	Bedding	15.9	62	BIF	1096498	5.3	6	0.7	6	1% py in BIF
Iron Formation (80%). Mafic Volcanic (20%). Strongly Intercalated BIF and Volcanic. Pervasively folded and sheared Iron Formation. 5% banded Pyrite throughout the Iron Formation. No significant veining.									1096499	6	7	1	2.5	
									1096501	7	8	1	2.5	2% py
									1096502	8	9	1	2.5	5% py
									1096503	9	10	1	2.5	3% py
									1096504	10	11	1	2.5	
									1096505	11	12	1	2.5	
									1096506	12	13	1	2.5	3% py
									1096507	13	14	1	9	4% py
									1096508	14	15	1	7	5% py
									1096509	15	16	1	2.5	5% py
									1096511	16	17	1	2.5	4% py strong chlorite alteration and dark
									1096512	17	18.2	1.2	2.5	4% py
18.2	21.85	Gabbro		Granoblastic					1096513	18.2	19.5	1.3	2.5	
Mafic dyke and or fine-medium grained gabbro. Biotite and Chlorite alteration. No sig minz or veins.									1096514	19.5	21	1.5	2.5	
									1096515	21	21.85	0.85	2.5	
21.85	30.2	Banded Iron Formation	Banded		Bedding	22	63	BIF	1096516	21.85	23	1.15	2.5	2% py
Iron Formation that is pervasively folded and sheared. 5% disseminated / banded Py throughout.									1096517	23	24	1	2.5	3% py
									1096518	24	25	1	2.5	6% py
									1096519	25	26	1	14	4% py
									1096521	26	27	1	2.5	1% py
									1096522	27	28	1	2.5	4% py
									1096523	28	29	1	2.5	4% py
									1096524	29	30.2	1.2	2.5	
30.2	33.7	Gabbro		Granoblastic					1096526	30.2	31	0.8	2.5	
Mafic dyke and or fine-medium grained gabbro. Biotite and Chlorite alteration. No sig minz or veins.									1096527	31	32	1	2.5	
									1096528	32	33	1	2.5	
									1096529	33	33.7	0.7	2.5	
33.7	35	Porphyry		Porphyritic					1096531	33.7	35	1.3	2.5	
Porphyry. No sig minz or veining.									1096532	35	36.4	1.4	2.5	
35	36.4	Banded Iron Formation	Banded											
Iron Formation that is pervasively folded and sheared. 5% disseminated / banded Py throughout.									1096533	36.4	37.5	1.1	2.5	
36.4	66.5	Mafic Volcanic	Flow		Foliation	53	68	Foliation	1096534	37.5	39	1.5	2.5	
Dark green mafic volcanic. Local broad folding. No sig minz.									1096535	71	71.9	0.9	2.5	
66.5	71.9	Porphyry		Porphyritic										
Light to medium grey porphyry. 10% biotite. No sig minz or veining.									1096536	71.9	73	1.1	2.5	
71.9	92.1	Banded Iron Formation	Banded	Porphyry	Fold Axis	73.9	65		1096537	73	74	1	2.5	2% sct py
Iron Formation 70%. Porphyry. Iron formation differs from other iron formations encountered in program thus far. Very strongly altered. Bands of Dark Chlorite. Bands of Light green									1096538	74	75	1	2.5	2% sct py



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments		
minerals (grunerite?). Bands of milky chert. Strongly folded and distorted. 5% pyrite throughout.					Bedding	88	80		1096539	75	76	1	2.5	1% sct py		
											1096541	76	77	1	2.5	
											1096542	84	85	1	2.5	
											1096543	85	86	1	2.5	1% sct py in porphyry
											1096544	86	87	1	2.5	trace sct py in bif
											1096545	87	88	1	2.5	trace sct py in bif
											1096546	88	89	1	2.5	1% sct py in bif
											1096547	89	90	1	5	5% sct py in bif
											1096548	90	91.25	1.25	2.5	5% sct py in bif
											1096549	91.25	92.1	0.85	2.5	
											1096551	92.1	93	0.9	2.5	
92.1	102	Mafic Volcanic	Flow													
Dark green mafic volcanic. Local broad folding. No sig minz.																
102	106.2	Banded Iron Formation	Banded		Foliation	105	66									
Formation. Weakly magnetic however banded with light green amphiboles (grunerite) encompassing red subhedral garnets. No sig minz or veining.																
106.2	117.2	Felsic Intrusive	Granoblastic													
White massive medium grained felsic intrusive. No veining or mineralization.																
117.2	132.8	Mafic Volcanic	Flow	Felsic Intrusive	Foliation	128.5	62									
Volcanic with strong chlorite. 1-40cm wide felsic intrusives similar to units above and below.																
132.8	142.6	Mafic Volcanic	Flow	Felsic Intrusive	Foliation	141	49									
Dark green chloritic volcanic with 30% white massive medium grained felsic intrusive. No veining or mineralization.																
142.6	200	Felsic Intrusive	Granoblastic		Foliation	179.5	53									
White with 20% speckled biotite. Tonalite or Granodiorite plutonic rock. No sig minz and no qtz veining.																



DRILL LOG REPORT

Drill Hole										Coordinates					
Hole Size:	NQ	Drilling Contractor:	Major Drilling	Start Date:	2/1/2021	Azimuth:	212	Grid:	NAD83 / UTM zone 15N						
Claim #:	273549	Casing Left in Hole:	Yes	End Date:	2/2/2021	Dip:	-47	Easting:	701610						
Core Storage:	Murillo	Casing Length (m):	22	Logger:	Rory Krocker	Act. Depth (m):	170	Northing:	5698886						
		Casing Capped:	Yes	End Date of Logging:	2/3/2021			Elevation (m):	387						
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments	
0	20.8	Overburden													
20.8	42.1	Mafic Volcanic	Flow	Mafic Volcanic					1096552	38	39	1	2.5	3% qtz veining and trace py	
		Dark green and chloritic mafic volcanic. 2% qtz crb veining. No significant mineralization.			Foliation	33	45		1096553	39	40	1	2.5	5% qtz veining and 2 diss py in vein	
42.1	43.6	Porphyry	Porphyritic												
		Massive qtz porphyry with no significant mineralization or veining.													
43.6	66.1	Mafic Volcanic	Flow						1096554	65.2	66.1	0.9	7	60% white qtz veining and 2% sct PY	
		Dark green and chloritic mafic volcanic. 2% qtz crb veining. No significant mineralization. Blocky core from 56m to 66m.			Foliation	46	43								
					Foliation	53.5	38								
					Foliation	63.7	45								
66.1	69.2	Porphyry	Flow						1096555	66.1	67.1	1	2.5	Trace sct PY in porphyry	
		Massive qtz porphyry. One 60cm smokey-white qtz vein in middle of porphyry. No significant mineralization												70cm sheared quartz veing with no sig	
69.2	74.3	Mafic Volcanic	Flow						1096556	67.1	68	0.9	2.5	sulphides	
		Dark green and chloritic mafic volcanic. 2% qtz crb veining. No significant mineralization.							1096557	68	69.3	1.3	2.5	porphyry with 1% veining.	
74.3	80.6	Porphyry	Porphyritic	Mafic Volcanic											
80.6	89.6	Mafic Volcanic	Flow						1096558	80.6	81.5	0.9	2.5		
		Dark green mafic volcanic. 5% wispy qtz veining. 40% chlorite alteration. No significant mineralization.			Foliation	85	45		1096559	81.5	83	1.5	6		
									1096561	83	84	1	7		
									1096562	84	85	1	2.5		
									1096563	85	86	1	2.5		
									1096564	86	87	1	2.5		
									1096566	87	88	1	13		
									1096567	88	89.6	1.6	5		
89.6	106.4	Banded Iron Formation	Banded	Mafic Volcanic					1096568	89.6	91	1.4	25	4% SCT PY IN BIF	
		80% iron formation and 20% mafic volcanic. Iron formation with 10% red garnets and 4% sct PY. Locally sheared and folded. No significant veining.			Bedding	94	94		1096569	91	92	1	16	4% SCT PY IN BIF	
									1096571	92	93	1	16	5% SCT PY IN BIF	
									1096572	93	94	1	34	5% SCT PY IN BIF	
									1096573	94	95	1	81	4% SCT PY IN BIF	
									1096574	95	96	1	124	3% SCT PY IN BIF	
									1096575	96	97	1	14	3% SCT PY IN BIF	
									1096576	97	98	1	14	4% SCT PY IN BIF	
									1096577	98	99	1	17	5% SCT PY IN BIF	
									1096578	99	100	1	37	2% SCT PY IN BIF	
									1096579	100	101	1	26	2% SCT PY IN BIF	
									1096581	101	102	1	17	2% SCT PY IN BIF	
									1096582	102	103	1	8	2% SCT PY IN BIF	
									1096583	103	104	1	7	2% SCT PY IN BIF	
									1096584	104	105	1	5	3% SCT PY IN BIF	
									1096585	105	106.4	1.4	6	2% SCT PY IN BIF	
106.4	113.2	Banded Iron Formation	Banded	Porphyry					1096586	106.4	107.5	1.1	2.5	PORPHYRY	



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments					
Mix of Iron formation (30%) and Mafic Volcanic (20%) and porphyry dikes (50%). 4% scattered PY.					Foliation	111	42		1096587	107.5	108.05	0.55	2.5	PORPHYRY					
											1096588	108.05	109	0.95	2.5	4% SCT PY IN BIF			
											1096589	109	110	1	2.5	3% SCT PY IN BIF			
											1096591	110	111	1	6	4% SCT PY IN BIF			
											1096592	111	112	1	5	3% SCT PY IN BIF			
											1096593	112	113.2	1.2	2.5	PORPHYRY			
113.2	116.2	Felsic Intrusive	Granoblastic								1096594	113.2	114	0.8	2.5				
Tonalite or granodiorite intrusive. 10% biotite.											1096595	114	115.5	1.5	2.5				
116.2	124.3	Banded Iron Formation	Banded	Mafic Volcanic							1096596	115.5	116.2	0.7	2.5				
30% iron formation with garnets. 70% green chloritic mafic volcanic. Weakly folded. 1% scattered PY.								Foliation	118	60		1096597	116.2	117	0.8	2.5			
														1096598	117	118	1	2.5	TRACE SCT PY IN BIF
														1096599	118	119	1	2.5	TRACE SCT PY IN BIF
														1096601	119	120	1	2.5	TRACE SCT PY IN BIF
														1096602	120	121	1	2.5	TRACE SCT PY IN BIF
														1096603	121	122	1	2.5	TRACE SCT PY IN BIF
											1096604	122	123	1	2.5	TRACE SCT PY IN BIF			
											1096606	123	124.3	1.3	5				
124.3	131.1	Felsic Intrusive	Granoblastic								1096607	124.3	125	0.7	2.5				
Tonalite or granodiorite intrusive. 10% biotite.											1096608	125	126.5	1.5	2.5				
								1096609	126.5	128	1.5	2.5							
								1096611	128	129.5	1.5	2.5							
131.1	134.1	Banded Iron Formation	Granoblastic					1096612	129.5	131.1	1.6	2.5							
40% iron formation with garnets. 60% green chloritic mafic volcanic. Weakly folded. 1% scattered PY.					Bedding	132.5	45		1096613	131.1	132.6	1.5	11	3% SCT PY IN BIF					
											1096614	132.6	134.1	1.5	11	3% SCT PY IN BIF			
134.1	170	Felsic Intrusive	Granoblastic								1096615	134.1	134.7	0.6	9				
Tonalite or granodiorite intrusive. 15% biotite.					Foliation	156	40												
					Foliation	165	40												
					Foliation	169	52												



DRILL LOG REPORT

Hole Size: NQ		Drilling Contractor: Major Drilling		Start Date: 2/4/2021		Azimuth: 270		Coordinates							
Claim #: 125051		Casing Left in Hole: Yes		End Date: 2/6/2021		Dip: -45		Grid: NAD83 / UTM zone 15N							
Core Storage: Murillo		Casing Length (m): 32		Logger: Rory Krockner		Act. Depth (m): 338		Easting: 701883							
		Casing Capped: Yes		End Date of Logging: 2/7/2021				Northing: 5698908							
								Elevation (m): 388							
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
0	29.2	Overburden													
29.2	51.1	Gabbro	Granoblastic		Foliation	43	55	0		1096616	50	51.1	1.1	5	
Massive and weakly foliated medium gabbro. 1% qtz crb veining. No sig mineralization.															
51.1	54.1	Banded Iron Formation	Banded	Mafic Volcanic	Bedding	51.5	80	0	BIF	1096617	51.1	52.1	1	8	1% sct py in BIF
Thinly banded Iron formation 60%. Appears strongly sheared and locally isoclinally folded. 3% sct PY. No veining. Interbedded Volcanic massive fine grained volcanic units 40% with no mineralization.															
54.1	56.8	Porphyry	Porphyritic		Sharp	54.1	47	0		1096618	52.1	53.1	1	7	
Mineralized porphyry. Strongly sheared. 3% sct PY. 10% white quartz veining.															
56.8	85	Mafic Volcanic	Flow		Contact	54.7	50	0		1096619	53.1	54.1	1	2.5	5% sct py in BIF
Green fine grained mafic volcanic. No veining or mineralization.															
85	99.1	Gabbro	Granoblastic							1096621	54.1	55.1	1	2.5	3% sct py.
Medium grained medium green gabbro with <1% qtz veining and no sig minz.															
99.1	140.5	Mafic Volcanic	Flow							1096622	55.1	56.1	1	6	2% sct py in porphyry
Fine and locally grades into slightly coarser grained.															
140.5	141.2	Porphyry	Porphyritic							1096623	56.1	57.1	1	2.5	
Qtz porphyry. No sig minz or veining.															
141.2	218.12	Mafic Volcanic	Flow							1096624	57.1	58.6	1.5	8	1% sct PY
Green fine grained mafic volcanic. 1% qtz veining, milky white, regular smooth margins and locally strongly distorted and folded. Trace local disseminated pyrite.															
218.12	224.6	Porphyry	Porphyritic	Mafic Volcanic						1096625	58.6	59.6	1	6	
QFP (70%) intercalated with mafic volcanic (30%). QFP is massive, no significant mineralization. Mafic volcanic is medium to dark green, weak to moderately foliated, minor mm scale quartz veining parallel to foliation with trace disseminated pyrite.															
224.6	236.6	Mafic Volcanic	Flow												
Mafic Volcanic, medium to dark green, fine grained. Local 1-2% quartz veining, milky white to translucent. Two sets of veining, one parallel to foliation with smooth margins, the second crosscuts foliation, is typically folded and distorted with irregular margins.															
236.6	332.5	Banded Iron Formation	Banded	Mafic Volcanic						1096626	234.5	235.5	1	2.5	
Banded Iron Formation (30-40%) intercalated with mafic volcanic (60-70%).															
Mafic volcanic is fine grained, medium to dark green, there are two sets of veins, milky white to translucent with one parallel to foliation with smooth margins, the second vein set is typically folded and distorted with irregular margins. Pervasive chlorite alteration with local carbonate and epidote associated with veining. Mafic volcanics are mineralized with 1-3% disseminated pyrite with local stringers parallel to foliation and locally mineralized late cross-cutting hairline fractures.															
										1096627	235.5	236.6	1.1	6	
										1096628	236.6	238	1.4	7	
										1096629	238	239	1	7	
										1096631	239	240	1	9	
										1096632	240	241	1	7	



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
BIF is medium grey to metallic grey, fine to medium grained, occurs as bands 5 to 100 cm wide but typically between 10 and 40 cm wide, quartz veins are typically folded and distorted with local epidote, carbonate and potassic K-spar alteration. BIF intervals are typically well mineralized with 5-7% sulphides including 3-5% pyrite, rare local intervals contain pyrrhotite up to 5-7%, rare local chalcopyrite blebs. All mineralization occurs associated with quartz veining highly concentrated along the margins veins, disseminated with local stringers parallel to foliation and as replacement style replacing magnetite bands. Potential tuffaceous unit from 287 to 294 m with 0.1 to 0.5 mm wide lapilli.					259.85	Foliation	80	295		1096633	241	242	1	2.5	
					262.8	Foliation	75	220		1096634	242	243	1	7	
					271.9	Foliation	65	200		1096635	243	244	1	8	
					274.8	Veining	25	310	Late cross-cutting quartz-carb vein with potassic alteration, no mineralization.	1096636	244	245	1	14 5-7% pyrrhotite of 40 cm interval.	
					277.7	Fold	45	295	Small piece of iron formation which is folded and distorted, mineralized with magnetite and pyrite along margin, pyrite also replaces magnetite locally. Measurement is of axial plane of fold.	1096637	245	246	1	7	
					289.5	Contact	65	95	Contact between small Iron formation with tuffaceous unit. Contact is parallel to foliation.	1096638	246	247	1	6	
					292.8	Foliation	60	100	Foliation	1096639	247	248	1	7	
					298.8	Foliation	25	160		1096641	248	249	1	5	
					306.8	Veining	75	320	Quartz vein parallel to foliation, milky white, no significant mineralization.	1096642	249	250	1	2.5	
					307.7	Foliation	45	80		1096643	250	251	1	2.5	
307.9	Veining	65	60	Late hairline quartz vein, cross-cuts foliation at a high angle, no significant mineralization.	1096644	251	252	1	2.5 Next sample is Dup						
316.6	Foliation	55	220		1096646	252	253	1	2.5						
319.6	Foliation	50	320		1096647	253	254	1	2.5						
325.8	Contact	75	280	Contact with felsic dyke.	1096648	254	255	1	2.5						
328.5	Foliation	55	330		1096649	255	256	1	2.5						
					1096651	256	257	1	8						
					1096652	257	258	1	7						
					1096653	258	259	1	7						
					1096654	259	260	1	5						
					1096655	260	261	1	6						
					1096656	261	262	1	5						
					1096657	262	263	1	5						
					1096658	263	264	1	6						
					1096659	264	265	1	8						
					1096661	265	266	1	7						
					1096662	266	267	1	5						
					1096663	267	268	1	6						
					1096664	268	269	1	6						
					1096665	269	270	1	5						
					1096666	270	271	1	5						
					1096667	271	272	1	2.5						
					1096668	272	273	1	2.5						
					1096669	273	274	1	5						
					1096671	274	275	1	2.5						
					1096672	275	276	1	2.5						
					1096673	276	277	1	7						
					1096674	277	278	1	6						
					1096675	278	279	1	5						



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
										1096676	279	280	1	5	
										1096677	280	281	1	2.5	
										1096678	281	282	1	5	
										1096679	282	283	1	2.5	
										1096681	283	284	1	2.5	
										1096682	284	285	1	2.5	
										1096683	285	286	1	2.5	
										1096684	286	287	1	2.5	
										1096686	287	288	1	2.5	
										1096687	288	289	1	2.5	
										1096688	289	290	1	5	
										1096689	290	291	1	2.5	
										1096691	291	292	1	2.5	
										1096692	292	293	1	2.5	
										1096693	293	294	1	2.5	
										1096694	294	295	1	2.5	
										1096695	295	296	1	2.5	
										1096696	296	297	1	2.5	
										1096697	297	298	1	2.5	
										1096698	298	299	1	2.5	
										1096699	299	300	1	2.5	
										1096701	300	301	1	2.5	
										1096702	301	302	1	2.5	
										1096703	302	303	1	2.5	
										1096704	303	304	1	2.5	
										1096705	304	305	1	2.5	
										1096706	305	306	1	2.5	
										1096707	306	307	1	2.5	
										1096708	307	308	1	2.5	
										1096709	308	309	1	2.5	
										1096711	309	310	1	2.5	
										1096712	310	311	1	2.5	
										1096713	311	312	1	2.5	
										1096714	312	313	1	2.5	
										1096715	313	314	1	2.5	
										1096716	314	315	1	2.5	
										1096717	315	316	1	2.5	
										1096718	316	317	1	2.5	
										1096719	317	318	1	2.5	
										1096721	318	319	1	2.5	
										1096722	319	320	1	2.5	
										1096723	320	321	1	5	
										1096724	321	322	1	2.5	
										1096726	322	323	1	2.5	
										1096727	323	324	1	2.5	
										1096728	324	325	1	2.5	
										1096729	325	326	1	2.5	
										1096731	326	327	1	2.5	
										1096732	327	328	1	5	
										1096733	328	329	1	2.5	
										1096734	329	330	1	2.5	
										1096735	330	331	1	2.5	
										1096736	331	332.5	1.5	2.5	
										1096737	332.5	334	1.5	2.5	
										1096738	334	335.5	1.5	2.5	
										1096739	335.5	337	1.5	2.5	
332.5	338	Felsic Intrusive	Granoblastic												
Felsic intrusive, medium to coarse grained, grey/black/pink, strong biotite and feldspar, no significant mineralization.															



DRILL LOG REPORT

From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
										1096741	337	338	1	2.5	



DRILL LOG REPORT

Hole Size: NQ		Drilling Contractor: Major Drilling		Start Date: 2/7/2021		Azimuth: 266		Coordinates							
Claim #: 125051		Casing Left in Hole: No		End Date: 2/10/2021		Dip: -47		Grid: NAD83 / UTM zone 15N							
Core Storage: Murillo		Casing Length (m): 21		Logger: Colin Munro		Act. Depth (m): 200		Easting: 701952							
		Casing Capped: No		End Date of Logging: 2/11/2021				Northing: 5699096							
								Elevation (m): 388							
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments
0	19	Casing													
19	36	Mafic Intrusive	Crystalization												
Mafic Intrusive, coarse grained gabbro, medium to dark green, moderate foliation. Two sets of veining, one milky white, 0.1 to 1 cm wide, parallel to foliation typically with regular margins, locally distorted. The second vein set are 0.1 to 0.5 cm wide, milky white to translucent, cross-cut foliation, often folded and distorted. Neither host significant mineralization. No significant mineralization in unit.										1096742	33	34	1	2.5	
										1096743	34	35	1	2.5	
										1096744	35	36	1	6	
36	40.7	Banded Iron Formation	Banded		Foliation	37.9	55	80	Foliation measurement in the mineralized BIF, unfortunately could not extend line as core is very broken up. Surrounding gabbro is dead and not much in the way of foliation to take measurements.	1096745	36	37	1	2.5	Mineralized BIF, 3-5% pyrrhotite, 1-2% cpy, 1% py.
Banded Iron Formation, cherty greenish grey intervals intercalated with silvery metallic grey magnetite bands. Unit is strongly foliated and locally folded and distorted. The unit hosts significant mineralization in the form of 3-5% pyrrhotite, disseminated but mainly replacing magnetite in bands and locally filling in late cross-cutting fractures. 1-2% chalcopyrite also replacing magnetite in bands and associated with late cross-cutting fractures and hairline veins. 1-2% pyrite same as above.										1096746	37	38	1	2.5	Mineralized BIF, 3-5% pyrrhotite, 1-2% cpy, 1% py.
										1096747	38	39	1	2.5	Mineralized BIF, 3-5% pyrrhotite, 1-2% cpy, 1% py.
										1096748	39	40	1	2.5	Mineralized BIF, 3-5% pyrrhotite, 1-2% cpy, 1% py.
										1096749	40	40.7	0.7	2.5	Mineralized BIF, 3-5% pyrrhotite, 1-2% cpy, 1% py.
40.7	66.7	Gabbro	Porphyritic							1096751	40.7	42	1.3	2.5	
Gabbro, coarse grained, medium to dark green, weakly foliated, no significant mineralization.										1096752	42	43	1	2.5	
										1096753	43	44	1	2.5	
66.7	71.5	Felsic Intrusive	Crystalization												
Felsic intrusive, medium to coarse grained, quartz-feldspar porphyry, comprised of quartz, feldspar, biotite, massive. No significant alteration or mineralization.															
71.5	200	Gabbro	Crystalization	Mafic Volcanic											
Coarse grained gabbro intercalated with fine grained mafic volcanic. Both medium to dark green. Both contain late cross cutting quartz +-carbonate +- K-spar veins, 0.1 to 5 mm thick, locally veins host trace pyrite. Pervasive chlorite alteration across both units. No significant mineralization in either unit. Local small <3 m wide felsic intrusive unit, typically QFP dyke, massive with no significant mineralization.															
					Veining	76.9	50	210	Late cross-cutting hairline fracture fill						
					Foliation	79.9	55	340							
					Veining	82.9	65	120	Late cross-cutting vein.						
					Foliation	100.9	50	340							
					Foliation	109.9	45	340							
					Foliation	118.9	45	340							
					Breccia	127.9	50	285	Contact of small brecciated interval. Healed fault? Matrix infilled with quartz-carbonate veining.						
					Foliation	136.9	45	340							
					Foliation	139.9	25	300							
					Fracture	148.9	50	290	Fracture set infilled with quartz carbonate.						
					Fracture	160.9	70	180	Fracture set infilled with quartz carbonate.						
					Fracture	178.9	35	130	Fracture set infilled with quartz-Kspar.						



DRILL LOG REPORT

Hole Size:		Claim #:		Core Storage:		Drilling Contractor:		Casing Left in Hole:		Casing Length (m):		Casing Capped:		Drill Hole		Start Date:		End Date:		Logger:		End Date of Logging:		Azimuth:		Dip:		Act. Depth (m):		Coordinates	
NQ		321676		Murillo		Major Drilling		No		18		No		Major Drilling		2/12/2021		2/15/2021		Colin Munro		2/16/2021		202		-47		179		Grid: NAD83 / UTM zone 15N	
																												Easting: 702030			
																												Northing: 5699312			
																												Elevation (m): 387			
From (m)	To (m)	Lithology 1	Texture	Lithology 2	Structure	Depth (m)	Alpha (°)	Beta (°)	Comments	Sample ID	From (m)	To (m)	Length (m)	AU_PPB	Comments																
0	15.5	Casing																													
15.5	115	Gabbro	Crystalization	Mafic Volcanic	38	Fracture	0	0	Highly fractured area, fractures at 40 degrees to core axis. No oriented core done at top of the hole by drillers, started at 50 m.	1096754	110	111	1	5																	
										1096755	111	112	1	5																	
										1096756	112	113	1	2.5																	
										1096757	113	114	1	2.5																	
					52.3	Fracture	35	80	General orientation of fractures in the area, possibly pillow salvages, typically parallel to foliation.	1096758	114	115	1	2.5																	
					52.7	Contact	70	80	Contact between intermediate to felsic dyke and mafic volcanics.																						
										1096759	115	116	1	9																	
					118.8	Foliation	35	90	Foliation in BIF	1096761	116	117	1	2.5																	
					121.9	Foliation	5	260	Strongly distorted foliation in BIF, shallowed almost parallel to foliation.	1096762	117	118	1	11																	
										1096763	118	119	1	10																	
										1096764	119	120	1	2.5																	
					124.2	Fold Axis	30	300	Axial plane of fold in strongly folded BIF interval.	1096766	120	121	1	2.5																	
										1096767	121	122	1	2.5																	
										1096768	122	123	1	2.5																	
										1096769	123	124	1	2.5																	
										1096771	124	125	1	2.5																	
										1096772	125	126	1	2.5																	
										1096773	126	127	1	2.5																	
										1096774	127	128	1	2.5																	
										1096775	128	129	1	5																	
										1096776	129	130	1	6																	
										1096777	130	131	1	2.5																	
										1096778	131	132	1	2.5																	
										1096779	132	133	1	2.5																	
										1096781	133	134	1	2.5																	
										1096782	134	135	1	2.5																	
										1096783	135	136	1	2.5																	
										1096784	136	137	1	2.5																	
										1096785	137	138	1	2.5																	
										1096786	138	139	1	2.5																	
										1096787	139	140	1	6																	
										1096788	140	141	1	2.5																	
131	179	Gabbro							Coarse grained gabbro intercalated with fine grained mafic volcanic. Medium to dark greyish green. Moderate foliation. No significant mineralization.																						



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(s) requested, Testing Date, and details for samples 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 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

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		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	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
1096489 Orig	< 5																						
1096489 Dup	< 5																						
1096493 Orig	< 5																						
1096493 Dup	< 5																						
1096494 Orig		< 0.2	< 0.5	120	817	< 1	100	< 2	63	3.03	< 2	< 10	14	< 0.5	< 2	2.18	31	120	5.56	< 10	2	0.34	< 10
1096494 Dup		< 0.2	< 0.5	115	784	< 1	97	< 2	62	2.95	< 2	< 10	13	< 0.5	< 2	2.06	32	117	5.40	< 10	< 1	0.31	< 10
Method Blank	< 5																						
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Method Blank	< 5																						
Method Blank	< 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 Blank	< 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 Blank	< 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 Blank	< 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 Blank	< 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

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

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
1096489 Orig																
1096489 Dup																
1096493 Orig																
1096493 Dup																
1096494 Orig	2.54	0.117	0.034	0.04	< 2	10	124	0.34	< 20	2	< 2	< 10	127	< 10	6	2
1096494 Dup	2.51	0.110	0.034	0.04	< 2	9	114	0.33	< 20	4	< 2	< 10	124	< 10	6	2
Method Blank																
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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	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.011	< 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



Report No.: A21-02875
Report Date: 09-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

54 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 A21-02875

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.
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Results

Activation Laboratories Ltd.

Report: A21-02875

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
1096498	6	0.3	< 0.5	58	754	< 1	58	< 2	55	2.89	< 2	< 10	235	< 0.5	< 2	1.77	25	75	7.21	< 10	1	1.36	< 10
1096499	< 5	< 0.2	< 0.5	65	633	< 1	49	3	59	2.56	< 2	< 10	135	< 0.5	< 2	1.36	25	68	5.64	< 10	< 1	1.41	12
1096500	594	0.6	0.7	119	694	7	12	94	150	1.34	40	12	85	< 0.5	< 2	1.09	6	24	2.73	< 10	< 1	0.13	< 10
1096501	< 5	0.2	< 0.5	57	627	< 1	35	4	81	2.48	< 2	< 10	73	< 0.5	< 2	1.34	21	50	6.89	< 10	2	1.26	15
1096502	< 5	0.2	< 0.5	44	686	< 1	17	< 2	68	1.44	< 2	< 10	40	< 0.5	< 2	1.57	12	22	10.4	< 10	< 1	0.40	13
1096503	< 5	0.3	< 0.5	33	656	< 1	8	5	95	1.78	3	< 10	43	< 0.5	2	0.86	12	8	14.4	< 10	< 1	1.11	< 10
1096504	< 5	< 0.2	< 0.5	18	742	< 1	6	< 2	128	2.97	< 2	< 10	194	< 0.5	< 2	1.23	22	9	3.93	< 10	1	1.98	18
1096505	< 5	< 0.2	< 0.5	23	706	< 1	6	2	121	2.62	< 2	< 10	219	< 0.5	< 2	1.17	21	9	3.76	< 10	< 1	1.77	18
1096506	< 5	0.2	1.6	24	542	< 1	7	< 2	285	1.41	6	< 10	61	< 0.5	< 2	0.71	16	6	15.8	< 10	< 1	0.92	< 10
1096507	< 5	0.4	< 0.5	50	507	< 1	12	< 2	177	0.76	6	< 10	15	< 0.5	< 2	0.55	9	7	19.9	< 10	< 1	0.40	< 10
1096508	9	0.5	< 0.5	70	1500	< 1	11	6	89	0.11	8	< 10	< 10	< 0.5	< 2	1.29	8	6	23.1	< 10	< 1	< 0.01	< 10
1096509	7	0.4	< 0.5	27	555	< 1	7	< 2	107	0.68	7	< 10	52	< 0.5	< 2	1.03	6	6	21.8	< 10	< 1	0.27	< 10
1096510	< 5	< 0.2	< 0.5	19	657	4	7	< 2	35	1.23	< 2	< 10	58	< 0.5	< 2	1.16	6	14	2.49	< 10	< 1	0.10	< 10
1096511	< 5	0.3	< 0.5	49	641	< 1	79	< 2	122	3.25	5	< 10	44	< 0.5	3	1.09	22	110	17.4	< 10	< 1	1.96	< 10
1096512	< 5	0.3	< 0.5	58	390	< 1	27	< 2	81	0.98	4	< 10	30	< 0.5	< 2	1.28	10	51	20.6	< 10	< 1	0.41	< 10
1096513	< 5	< 0.2	1.2	52	569	< 1	35	< 2	125	1.35	< 2	< 10	144	< 0.5	< 2	1.41	17	115	4.26	< 10	2	0.62	< 10
1096514	< 5	0.4	< 0.5	37	346	< 1	8	3	16	0.37	7	< 10	41	< 0.5	< 2	1.27	5	16	24.2	< 10	< 1	0.18	< 10
1096515	< 5	< 0.2	< 0.5	59	475	< 1	55	< 2	44	2.14	< 2	< 10	285	< 0.5	< 2	1.37	23	154	3.20	< 10	< 1	1.23	< 10
1096516	< 5	0.2	< 0.5	35	503	< 1	31	< 2	53	1.92	5	< 10	67	< 0.5	< 2	1.69	14	72	15.0	< 10	< 1	0.99	< 10
1096517	< 5	0.3	< 0.5	33	357	< 1	3	3	17	0.23	6	< 10	18	< 0.5	2	1.37	2	6	24.9	< 10	< 1	0.07	< 10
1096518	< 5	< 0.2	< 0.5	32	554	< 1	37	< 2	54	1.65	< 2	< 10	113	< 0.5	< 2	1.29	18	104	10.5	< 10	< 1	0.86	< 10
1096519	< 5	0.3	< 0.5	26	318	< 1	3	< 2	16	0.06	7	< 10	< 10	< 0.5	< 2	1.12	1	2	25.9	< 10	< 1	< 0.01	< 10
1096520	3280	11.8	4.7	76	439	4	31	382	756	1.35	4040	< 10	49	< 0.5	< 2	2.58	12	25	7.95	< 10	< 1	0.23	13
1096521	14	0.4	< 0.5	46	405	< 1	8	2	25	0.40	10	< 10	37	< 0.5	< 2	1.40	6	20	24.1	< 10	< 1	0.16	< 10
1096522	< 5	0.4	< 0.5	40	349	1	7	< 2	14	0.12	10	< 10	< 10	< 0.5	< 2	0.81	2	2	26.5	< 10	< 1	< 0.01	< 10
1096523	< 5	0.5	< 0.5	52	348	1	7	< 2	18	0.25	4	< 10	16	< 0.5	2	0.68	< 1	6	26.8	< 10	< 1	0.08	< 10
1096524	< 5	0.3	< 0.5	45	426	2	47	< 2	37	1.52	3	< 10	70	< 0.5	< 2	1.45	12	53	14.7	< 10	< 1	0.74	< 10
1096525	< 5	0.2	< 0.5	50	426	2	44	< 2	35	1.45	8	< 10	57	< 0.5	< 2	1.43	12	50	15.4	< 10	< 1	0.72	< 10
1096526	< 5	< 0.2	< 0.5	41	584	< 1	33	< 2	55	2.83	< 2	< 10	129	< 0.5	< 2	1.19	23	30	3.68	< 10	2	1.75	< 10
1096527	< 5	< 0.2	< 0.5	39	566	< 1	38	< 2	53	2.93	< 2	< 10	272	< 0.5	< 2	1.26	24	38	4.38	< 10	1	1.72	11
1096528	< 5	< 0.2	< 0.5	46	475	< 1	36	< 2	48	2.14	< 2	< 10	264	< 0.5	< 2	1.23	21	55	3.20	< 10	< 1	1.34	12
1096529	< 5	< 0.2	< 0.5	37	461	< 1	32	4	50	2.12	< 2	< 10	203	< 0.5	< 2	1.33	21	52	3.04	< 10	< 1	1.23	13
1096530	< 5	< 0.2	< 0.5	19	654	4	6	< 2	35	1.22	2	< 10	57	< 0.5	< 2	1.15	5	14	2.47	< 10	< 1	0.10	< 10
1096531	< 5	< 0.2	< 0.5	1	149	< 1	3	< 2	41	0.86	< 2	< 10	72	< 0.5	< 2	0.34	4	7	1.01	< 10	< 1	0.50	14
1096532	< 5	0.3	< 0.5	61	326	< 1	14	< 2	42	0.38	4	< 10	22	< 0.5	< 2	0.98	5	18	23.4	< 10	< 1	0.14	< 10
1096533	< 5	< 0.2	< 0.5	80	518	< 1	56	< 2	56	2.62	< 2	< 10	185	< 0.5	< 2	1.22	26	67	3.54	< 10	< 1	1.58	< 10
1096534	< 5	< 0.2	< 0.5	74	428	< 1	56	< 2	40	2.11	< 2	< 10	222	< 0.5	< 2	1.84	25	97	3.00	< 10	< 1	1.05	< 10
1096535	< 5	< 0.2	< 0.5	77	446	< 1	47	< 2	43	1.88	< 2	< 10	216	< 0.5	< 2	1.34	24	125	2.87	< 10	< 1	1.15	11
1096536	< 5	< 0.2	< 0.5	90	514	< 1	48	< 2	38	1.76	< 2	< 10	186	< 0.5	< 2	2.26	22	129	2.84	< 10	< 1	0.84	< 10
1096537	< 5	0.2	< 0.5	73	553	< 1	75	4	41	2.01	< 2	< 10	136	< 0.5	< 2	3.34	31	113	3.02	< 10	< 1	0.72	< 10
1096538	< 5	0.2	< 0.5	67	519	< 1	52	< 2	41	1.96	< 2	< 10	159	< 0.5	< 2	2.78	27	90	2.99	< 10	< 1	0.90	< 10
1096539	< 5	< 0.2	< 0.5	91	603	< 1	47	< 2	47	1.93	< 2	< 10	180	< 0.5	< 2	3.21	23	90	2.89	< 10	< 1	0.84	< 10
1096540	4930	1.9	3.4	348	355	9	24	127	613	1.45	6720	< 10	15	< 0.5	< 2	1.67	16	26	11.3	< 10	< 1	0.24	< 10
1096541	< 5	< 0.2	< 0.5	52	410	< 1	37	< 2	32	1.59	3	< 10	90	< 0.5	< 2	1.94	16	121	2.25	< 10	< 1	0.42	< 10
1096542	< 5	< 0.2	< 0.5	11	261	< 1	8	7	27	0.62	< 2	< 10	43	< 0.5	< 2	0.48	4	25	0.88	< 10	< 1	0.20	19
1096543	< 5	< 0.2	< 0.5	13	407	< 1	23	9	40	1.32	< 2	< 10	85	< 0.5	< 2	0.76	9	54	1.72	< 10	< 1	0.71	15
1096544	< 5	0.4	< 0.5	128	657	< 1	82	5	60	2.49	4	< 10	58	0.6	< 2	1.71	33	84	5.84	< 10	1	1.48	< 10
1096545	< 5	0.3	< 0.5	78	718	< 1	99	< 2	72	2.92	< 2	< 10	63	< 0.5	2	2.44	32	99	7.53	< 10	1	0.93	< 10
1096546	< 5	0.3	< 0.5	89	657	< 1	93	5	75	2.53	< 2	< 10	44	< 0.5	< 2	2.19	31	109	7.02	< 10	2	0.97	< 10
1096547	5	0.5	< 0.5	201	579	< 1	92	< 2	59	2.52	2	< 10	< 10	< 0.5	3	1.88	31	106	9.62	< 10	< 1	0.13	< 10
1096548	< 5	0.4	< 0.5	189	663	< 1	103	3	88	3.17	< 2	< 10	< 10	< 0.5	< 2	2.07	30	107	9.97	< 10	1	0.13	< 10

Results

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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
1096549	< 5	< 0.2	< 0.5	5	64	< 1	< 1	17	6	0.38	< 2	< 10	< 10	< 0.5	< 2	0.22	< 1	10	0.41	< 10	< 1	0.17	< 10
1096550	< 5	< 0.2	< 0.5	19	646	4	6	< 2	35	1.24	< 2	< 10	57	< 0.5	< 2	1.14	5	13	2.43	< 10	< 1	0.10	< 10
1096551	< 5	< 0.2	< 0.5	51	451	< 1	53	3	44	2.03	< 2	< 10	67	< 0.5	< 2	1.81	22	131	2.91	< 10	< 1	0.65	< 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
1096498	2.46	0.264	0.069	0.22	3	13	25	0.25	< 20	2	< 2	< 10	118	< 10	8	7
1096499	2.21	0.205	0.072	0.32	2	11	25	0.27	< 20	1	< 2	< 10	105	< 10	7	11
1096500	0.55	0.114	0.039	0.10	3	4	51	0.13	< 20	< 1	< 2	< 10	35	< 10	11	7
1096501	2.11	0.198	0.072	0.55	2	9	19	0.25	< 20	< 1	< 2	< 10	103	< 10	8	14
1096502	1.19	0.165	0.077	1.00	3	7	26	0.16	< 20	< 1	< 2	< 10	72	< 10	7	10
1096503	1.32	0.087	0.083	0.67	6	3	48	0.19	< 20	< 1	< 2	< 10	59	< 10	4	10
1096504	2.07	0.097	0.115	0.12	< 2	5	143	0.30	< 20	2	< 2	< 10	85	< 10	6	11
1096505	1.90	0.125	0.110	0.10	< 2	4	130	0.30	< 20	< 1	< 2	< 10	84	< 10	5	12
1096506	1.12	0.061	0.074	0.60	4	2	67	0.15	< 20	< 1	< 2	< 10	46	< 10	4	9
1096507	0.59	0.036	0.055	1.86	5	< 1	24	0.08	< 20	< 1	< 2	< 10	28	< 10	3	7
1096508	0.12	0.012	0.055	2.75	9	< 1	16	0.01	< 20	3	< 2	< 10	11	< 10	5	7
1096509	0.49	0.042	0.059	0.68	9	1	38	0.06	< 20	< 1	< 2	< 10	32	< 10	3	7
1096510	0.47	0.083	0.039	0.04	< 2	4	50	0.12	< 20	2	< 2	< 10	26	< 10	11	6
1096511	2.61	0.151	0.035	0.68	6	10	11	0.29	< 20	< 1	< 2	< 10	135	< 10	6	5
1096512	0.94	0.063	0.053	1.22	8	3	31	0.08	< 20	3	< 2	< 10	44	< 10	3	7
1096513	1.50	0.156	0.059	0.39	< 2	7	20	0.17	< 20	5	< 2	< 10	67	< 10	6	9
1096514	0.41	0.030	0.044	0.89	7	< 1	25	0.03	< 20	2	< 2	< 10	15	< 10	3	7
1096515	2.03	0.136	0.060	0.06	< 2	6	35	0.21	< 20	< 1	< 2	< 10	74	< 10	3	5
1096516	1.66	0.096	0.056	0.70	5	4	38	0.11	< 20	< 1	< 2	< 10	50	< 10	3	6
1096517	0.22	0.021	0.046	0.77	9	< 1	20	0.02	< 20	5	< 2	< 10	11	< 10	2	7
1096518	1.67	0.126	0.058	0.44	3	6	25	0.15	< 20	< 1	< 2	< 10	67	< 10	4	6
1096519	0.11	0.011	0.040	0.61	14	< 1	21	< 0.01	< 20	5	< 2	< 10	7	< 10	2	7
1096520	0.83	0.031	0.054	1.08	5	2	148	0.02	< 20	1	< 2	< 10	22	18	4	16
1096521	0.45	0.041	0.048	0.74	8	1	29	0.04	< 20	3	< 2	< 10	22	< 10	3	7
1096522	0.17	0.017	0.050	0.93	12	< 1	12	< 0.01	< 20	6	< 2	< 10	9	< 10	3	7
1096523	0.28	0.020	0.048	0.72	13	< 1	14	0.01	< 20	2	< 2	< 10	10	< 10	3	8
1096524	1.32	0.050	0.062	0.75	5	2	44	0.13	< 20	< 1	< 2	< 10	34	< 10	3	7
1096525	1.26	0.046	0.060	0.77	6	2	43	0.12	< 20	< 1	< 2	< 10	33	< 10	3	6
1096526	2.08	0.087	0.071	0.22	< 2	4	58	0.24	< 20	2	< 2	< 10	66	< 10	3	7
1096527	2.15	0.126	0.074	0.26	< 2	6	72	0.25	< 20	1	< 2	< 10	74	< 10	4	8
1096528	1.84	0.143	0.074	0.15	< 2	6	55	0.23	< 20	2	< 2	< 10	72	< 10	5	10
1096529	1.78	0.159	0.072	0.15	< 2	5	56	0.23	< 20	< 1	< 2	< 10	65	< 10	5	11
1096530	0.46	0.080	0.039	0.04	< 2	4	49	0.12	< 20	2	< 2	< 10	26	< 10	11	6
1096531	0.31	0.156	0.029	< 0.01	< 2	1	42	0.13	< 20	2	< 2	< 10	16	< 10	2	18
1096532	0.37	0.024	0.052	0.62	8	< 1	16	0.03	< 20	3	< 2	< 10	14	< 10	3	7
1096533	2.16	0.090	0.071	0.17	< 2	4	84	0.25	< 20	< 1	< 2	< 10	67	< 10	3	6
1096534	1.80	0.126	0.067	0.25	< 2	5	78	0.23	< 20	3	3	< 10	67	< 10	4	7
1096535	1.86	0.117	0.067	0.29	4	6	70	0.23	< 20	1	< 2	< 10	71	< 10	5	8
1096536	1.73	0.126	0.067	0.26	< 2	6	81	0.22	< 20	2	< 2	< 10	69	< 10	5	6
1096537	1.25	0.077	0.067	0.45	< 2	6	239	0.38	< 20	4	< 2	< 10	88	< 10	7	4
1096538	1.56	0.103	0.071	0.35	< 2	6	164	0.29	< 20	2	< 2	< 10	75	< 10	6	6
1096539	1.41	0.088	0.062	0.26	< 2	6	122	0.32	< 20	5	< 2	< 10	80	< 10	6	7
1096540	0.89	0.024	0.052	3.16	6	2	126	0.02	< 20	< 1	< 2	< 10	17	24	3	21
1096541	1.35	0.110	0.081	0.07	< 2	5	93	0.21	< 20	3	< 2	< 10	59	< 10	5	6
1096542	0.32	0.072	0.016	0.03	< 2	2	32	0.05	< 20	2	< 2	< 10	13	< 10	8	24
1096543	0.62	0.112	0.024	0.16	< 2	3	20	0.11	< 20	2	< 2	< 10	25	< 10	7	20
1096544	1.75	0.084	0.030	0.85	2	7	20	0.30	< 20	< 1	< 2	< 10	94	< 10	5	10
1096545	2.04	0.136	0.043	0.92	< 2	8	30	0.32	< 20	1	< 2	< 10	104	< 10	6	4
1096546	1.79	0.118	0.046	1.24	3	7	22	0.28	< 20	< 1	< 2	< 10	87	< 10	5	4
1096547	1.71	0.112	0.042	2.47	4	7	30	0.25	< 20	1	< 2	< 10	81	< 10	5	5
1096548	2.28	0.116	0.047	1.70	2	7	42	0.28	< 20	< 1	< 2	< 10	95	< 10	4	5

Results

Activation Laboratories Ltd.

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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
1096549	0.05	0.129	0.001	0.03	< 2	1	7	0.03	< 20	< 1	< 2	< 10	4	< 10	< 1	24
1096550	0.46	0.080	0.039	0.04	< 2	4	50	0.12	< 20	< 1	< 2	< 10	26	< 10	11	6
1096551	1.53	0.094	0.069	0.06	< 2	7	70	0.23	< 20	2	< 2	< 10	73	< 10	5	6

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	72	1060	< 1	26	97	123	7.10	211	< 10	751	0.8	3	0.15	13	75	5.96	20	2	1.14	< 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	1050	1	26	96	122	6.99	213	< 10	742	0.8	< 2	0.15	13	74	5.89	20	2	1.13	< 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	75	1070	1	28	99	125	7.13	243	< 10	669	0.8	4	0.14	14	76	6.18	20	2	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
OREAS 922 (AQUA REGIA) Meas		1.4	< 0.5	2180	773	< 1	37	62	259	2.77	7		69	0.7	10	0.42	19	43	5.20	< 10		0.47	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	2210	769	< 1	39	60	257	2.81	4		71	0.7	10	0.42	19	43	5.24	< 10		0.48	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	2180	757	< 1	37	63	252	2.78	5		72	0.7	9	0.42	20	43	5.21	< 10		0.49	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		1.6	< 0.5	4280	873	< 1	34	82	336	2.80	8		54	0.6	23	0.42	22	40	5.97	< 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 923 (AQUA REGIA) Meas		1.6	< 0.5	4290	873	< 1	35	85	333	2.81	7		58	0.6	23	0.42	22	40	6.04	< 10		0.40	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		1.6	< 0.5	4380	870	< 1	35	83	323	2.86	9		59	0.7	25	0.42	22	39	6.09	< 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		67.8	292	3420	537	12	25	> 5000	> 10000	1.72	73			0.6	8	1.71	31	29	3.24	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		69.2	299	3570	544	13	26	> 5000	> 10000	1.74	79			0.6	6	1.72	31	29	3.37	10	4	0.37	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		66.2	286	3400	520	11	25	> 5000	> 10000	1.63	75			0.5	7	1.66	30	27	3.28	< 10	3	0.35	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 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3140																						

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 Meas																							
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 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																						
1096510 Orig		< 0.2	< 0.5	19	662	4	7	< 2	36	1.24	< 2	< 10	58	< 0.5	< 2	1.17	6	14	2.51	< 10	< 1	0.10	< 10
1096510 Dup		< 0.2	< 0.5	19	652	3	7	< 2	35	1.22	3	< 10	58	< 0.5	< 2	1.15	6	14	2.48	< 10	< 1	0.10	< 10
1096514 Orig	< 5																						
1096514 Dup	7																						
1096524 Orig	< 5	0.3	< 0.5	45	429	2	47	< 2	37	1.53	2	< 10	66	< 0.5	< 2	1.47	12	54	14.8	< 10	< 1	0.74	< 10
1096524 Dup	< 5	0.2	< 0.5	45	422	2	47	< 2	36	1.50	4	< 10	74	< 0.5	< 2	1.43	12	53	14.6	< 10	< 1	0.74	< 10
1096528 Orig	< 5																						
1096528 Dup	< 5																						
1096537 Orig		0.2	< 0.5	74	566	< 1	76	5	41	2.09	< 2	< 10	135	< 0.5	< 2	3.45	31	115	3.12	< 10	< 1	0.73	< 10
1096537 Dup		0.2	< 0.5	72	541	< 1	73	4	40	1.93	< 2	< 10	137	< 0.5	< 2	3.23	31	111	2.91	< 10	< 1	0.71	< 10
1096547 Orig	5	0.5	< 0.5	201	579	< 1	92	< 2	59	2.52	2	< 10	< 10	< 0.5	3	1.88	31	106	9.62	< 10	< 1	0.13	< 10
1096547 Split PREP DUP	5	0.5	< 0.5	207	611	< 1	97	3	61	2.78	< 2	< 10	< 10	< 0.5	< 2	2.08	30	114	10.3	< 10	2	0.15	< 10
1096548 Orig	< 5																						
1096548 Dup	< 5																						
1096550 Orig		< 0.2	< 0.5	18	635	4	6	< 2	34	1.21	< 2	< 10	56	< 0.5	< 2	1.11	5	13	2.37	< 10	< 1	0.10	< 10
1096550 Dup		< 0.2	< 0.5	19	656	3	7	< 2	35	1.27	< 2	< 10	59	< 0.5	< 2	1.16	5	14	2.50	< 10	< 1	0.10	< 10
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		< 0.2	< 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

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	0.147	0.033	0.01	3	20	34		< 20	< 1	< 2	< 10	157	< 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	0.146	0.033	0.01	3	19	34		< 20	< 1	2	< 10	158	< 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	0.40	0.135	0.034	0.01	4	19	31		< 20	< 1	< 2	< 10	164	< 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
OREAS 922 (AQUA REGIA) Meas	1.28	0.031	0.059	0.35	3	4	17		< 20		< 2	< 10	33	< 10	21	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	1.30	0.031	0.061	0.36	< 2	4	17		< 20		< 2	< 10	34	< 10	21	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	1.28	0.031	0.059	0.36	3	4	17		< 20		< 2	< 10	34	< 10	21	4
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		0.058	0.65	3	4	15		< 20		< 2	< 10	33	< 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	1.36		0.058	0.64	3	4	15		< 20		< 2	< 10	33	< 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	1.38		0.057	0.67	< 2	4	15		< 20		< 2	< 10	34	< 10	20	6
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	0.42	0.170	0.032	4.55	99	2	20		< 20		4	< 10	12	< 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 621 (Aqua Regia) Meas	0.43	0.178	0.033	4.73	104	2	20		< 20		< 2	< 10	12	< 10	8	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	0.40	0.171	0.032	4.53	99	2	19		< 20		< 2	< 10	12	< 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 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
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																
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Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
1096510 Orig	0.47	0.083	0.040	0.04	< 2	4	50	0.12	< 20	2	< 2	< 10	27	< 10	11	6
1096510 Dup	0.46	0.083	0.038	0.04	< 2	4	50	0.12	< 20	1	< 2	< 10	26	< 10	11	6
1096514 Orig																
1096514 Dup																
1096524 Orig	1.33	0.051	0.062	0.75	5	2	45	0.13	< 20	< 1	< 2	< 10	34	< 10	3	7
1096524 Dup	1.31	0.050	0.062	0.75	4	2	44	0.12	< 20	< 1	< 2	< 10	34	< 10	3	7
1096528 Orig																
1096528 Dup																
1096537 Orig	1.26	0.080	0.067	0.46	< 2	7	255	0.39	< 20	4	< 2	< 10	91	< 10	7	5
1096537 Dup	1.23	0.074	0.066	0.44	< 2	6	223	0.37	< 20	5	3	< 10	85	< 10	7	4
1096547 Orig	1.71	0.112	0.042	2.47	4	7	30	0.25	< 20	1	< 2	< 10	81	< 10	5	5
1096547 Split PREP DUP	1.88	0.130	0.043	2.59	4	8	33	0.26	< 20	3	< 2	< 10	86	< 10	5	6
1096548 Orig																
1096548 Dup																
1096550 Orig	0.45	0.078	0.038	0.04	< 2	4	49	0.12	< 20	< 1	< 2	< 10	26	< 10	11	6
1096550 Dup	0.47	0.082	0.040	0.04	2	4	51	0.12	< 20	1	< 2	< 10	27	< 10	11	6
Method Blank																
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	0.008	< 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

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	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Report No.: A21-02877
Report Date: 12-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

64 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 with their respective test methods and dates.

REPORT A21-02877

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 Esemé, Ph.D.
Quality Control Coordinator

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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
1096552	< 5	< 0.2	< 0.5	123	656	< 1	57	< 2	45	2.05	< 2	< 10	< 10	< 0.5	< 2	2.48	22	87	4.19	< 10	1	0.07	< 10
1096553	< 5	< 0.2	< 0.5	193	706	< 1	53	< 2	46	1.65	< 2	< 10	26	< 0.5	< 2	3.18	24	80	3.53	< 10	< 1	0.07	< 10
1096554	7	< 0.2	< 0.5	133	563	8	51	10	59	1.14	< 2	< 10	< 10	< 0.5	< 2	3.54	19	42	5.10	< 10	2	0.04	< 10
1096555	< 5	0.5	< 0.5	1030	399	3	7	24	16	0.14	3	< 10	< 10	< 0.5	< 2	1.60	10	8	9.94	< 10	1	0.03	< 10
1096556	< 5	< 0.2	< 0.5	86	297	1	14	6	31	0.74	< 2	< 10	< 10	< 0.5	< 2	1.12	7	35	2.63	< 10	< 1	0.03	< 10
1096557	< 5	< 0.2	< 0.5	24	297	< 1	11	2	42	1.17	< 2	< 10	67	< 0.5	< 2	0.90	9	21	1.96	< 10	< 1	0.18	24
1096558	< 5	< 0.2	< 0.5	35	1140	< 1	57	3	50	2.23	2	< 10	12	< 0.5	< 2	3.06	20	78	4.84	< 10	1	0.14	< 10
1096559	6	< 0.2	< 0.5	69	1170	< 1	61	< 2	56	2.37	< 2	< 10	44	< 0.5	< 2	3.01	21	85	5.08	< 10	2	0.26	< 10
1096560	527	0.7	0.7	129	716	6	13	93	150	1.24	42	11	83	< 0.5	< 2	1.07	6	25	2.69	< 10	< 1	0.13	< 10
1096561	7	0.2	< 0.5	157	1170	< 1	59	< 2	48	2.42	< 2	< 10	16	< 0.5	< 2	3.06	21	81	5.11	< 10	2	0.16	< 10
1096562	< 5	< 0.2	< 0.5	60	1100	< 1	63	< 2	47	2.61	< 2	< 10	20	< 0.5	< 2	2.92	21	91	5.23	< 10	< 1	0.21	< 10
1096563	< 5	< 0.2	< 0.5	90	1060	< 1	72	< 2	57	2.83	< 2	< 10	54	< 0.5	< 2	2.95	26	95	5.54	< 10	2	0.34	< 10
1096564	< 5	< 0.2	< 0.5	63	966	< 1	70	< 2	67	2.55	< 2	< 10	38	< 0.5	< 2	2.83	24	96	5.24	< 10	< 1	0.24	< 10
1096565	6	< 0.2	< 0.5	64	945	< 1	69	< 2	66	2.49	< 2	< 10	42	< 0.5	< 2	2.78	24	95	5.08	< 10	2	0.25	< 10
1096566	13	< 0.2	< 0.5	96	1020	< 1	82	< 2	81	3.14	< 2	< 10	87	< 0.5	< 2	2.74	27	107	6.34	< 10	1	0.42	< 10
1096567	5	< 0.2	< 0.5	35	1040	< 1	52	< 2	49	1.88	< 2	< 10	13	< 0.5	< 2	3.68	19	71	4.10	< 10	2	0.07	< 10
1096568	25	0.4	< 0.5	119	684	1	43	4	60	1.00	5	< 10	14	< 0.5	< 2	2.09	17	63	14.5	< 10	< 1	0.05	< 10
1096569	16	0.4	< 0.5	122	768	2	55	< 2	77	1.94	< 2	< 10	34	< 0.5	< 2	1.78	20	73	18.5	< 10	< 1	0.43	< 10
1096570	< 5	< 0.2	< 0.5	20	661	4	7	< 2	35	1.15	< 2	< 10	57	< 0.5	< 2	1.12	6	15	2.31	< 10	< 1	0.10	< 10
1096571	16	0.5	< 0.5	138	827	< 1	54	< 2	81	1.50	< 2	< 10	23	< 0.5	3	1.85	15	68	18.8	< 10	< 1	0.19	< 10
1096572	34	0.4	< 0.5	70	852	< 1	21	< 2	59	0.58	4	< 10	29	< 0.5	< 2	1.98	13	24	20.8	< 10	< 1	0.04	< 10
1096573	81	0.5	< 0.5	83	734	1	30	3	76	0.72	7	< 10	24	< 0.5	< 2	2.24	15	27	21.7	< 10	< 1	0.18	< 10
1096574	124	1.0	< 0.5	133	925	32	43	96	69	0.69	4	< 10	28	< 0.5	< 2	4.22	12	40	17.2	< 10	< 1	0.10	< 10
1096575	14	0.5	< 0.5	171	616	< 1	29	9	72	0.19	4	< 10	12	< 0.5	< 2	2.76	7	15	21.6	< 10	< 1	< 0.01	< 10
1096576	14	0.3	< 0.5	39	645	< 1	12	< 2	86	0.24	5	< 10	11	< 0.5	< 2	2.11	7	11	22.0	< 10	< 1	0.02	< 10
1096577	17	0.4	< 0.5	46	538	< 1	22	3	120	0.33	6	< 10	< 10	< 0.5	< 2	1.72	10	47	24.5	< 10	< 1	0.01	< 10
1096578	37	0.4	< 0.5	43	743	< 1	19	5	94	0.53	7	< 10	16	< 0.5	< 2	2.18	10	24	23.1	< 10	< 1	0.05	< 10
1096579	26	0.4	< 0.5	80	706	< 1	37	14	49	0.61	3	< 10	< 10	< 0.5	3	2.22	17	32	16.6	< 10	< 1	0.02	< 10
1096580	2870	11.4	5.7	77	446	4	30	373	745	1.32	4060	< 10	61	< 0.5	< 2	2.53	14	26	7.99	< 10	< 1	0.22	13
1096581	17	0.3	< 0.5	57	836	< 1	48	4	56	1.17	6	< 10	44	< 0.5	< 2	2.36	19	67	13.7	< 10	< 1	0.07	< 10
1096582	8	0.3	< 0.5	64	920	< 1	79	4	95	2.55	6	< 10	20	< 0.5	< 2	2.21	26	100	12.6	< 10	< 1	0.10	< 10
1096583	7	0.4	< 0.5	71	908	< 1	58	122	226	1.95	5	< 10	< 10	< 0.5	< 2	2.27	19	79	16.2	< 10	< 1	0.05	< 10
1096584	5	0.3	< 0.5	72	978	< 1	34	8	75	1.26	5	< 10	16	< 0.5	< 2	2.73	15	44	17.0	< 10	< 1	0.10	< 10
1096585	6	0.4	< 0.5	95	890	< 1	53	7	91	1.60	4	< 10	15	< 0.5	< 2	2.20	21	73	14.3	< 10	< 1	0.17	< 10
1096586	< 5	< 0.2	< 0.5	2	125	< 1	1	7	8	0.26	< 2	< 10	20	< 0.5	< 2	0.17	< 1	9	0.57	< 10	< 1	0.14	< 10
1096587	< 5	< 0.2	< 0.5	1	121	< 1	< 1	7	2	0.24	< 2	< 10	19	< 0.5	< 2	0.14	< 1	10	0.38	< 10	< 1	0.17	< 10
1096588	< 5	0.3	< 0.5	74	1080	< 1	51	5	115	2.37	4	< 10	62	< 0.5	< 2	1.93	17	69	15.7	< 10	< 1	0.65	< 10
1096589	< 5	0.5	0.5	81	972	1	58	192	277	2.08	5	< 10	41	< 0.5	< 2	2.23	21	73	15.8	< 10	< 1	0.32	< 10
1096590	< 5																						
1096591	6	0.3	< 0.5	81	982	< 1	61	< 2	91	2.01	3	< 10	47	< 0.5	< 2	2.48	22	81	16.5	< 10	< 1	0.54	< 10
1096592	5	0.2	< 0.5	65	701	< 1	35	15	69	1.33	< 2	< 10	66	< 0.5	< 2	1.96	16	52	11.4	< 10	< 1	0.30	< 10
1096593	< 5	< 0.2	< 0.5	19	567	< 1	23	4	72	1.48	< 2	< 10	161	< 0.5	< 2	0.90	11	39	10.9	< 10	2	0.74	< 10
1096594	< 5	< 0.2	< 0.5	7	444	< 1	4	5	72	0.85	< 2	< 10	78	< 0.5	< 2	1.77	6	9	2.00	< 10	< 1	0.24	13
1096595	< 5	< 0.2	< 0.5	24	442	< 1	5	5	30	0.80	< 2	< 10	78	< 0.5	< 2	1.61	5	9	3.74	< 10	< 1	0.25	17
1096596	< 5	< 0.2	< 0.5	30	369	< 1	8	6	37	1.25	< 2	< 10	100	< 0.5	< 2	0.79	7	18	4.96	< 10	1	0.29	14
1096597	< 5	0.4	< 0.5	66	549	< 1	30	< 2	71	0.66	4	< 10	18	< 0.5	< 2	1.89	18	39	22.3	< 10	< 1	0.06	< 10
1096598	< 5	0.3	< 0.5	68	850	< 1	44	< 2	84	1.42	2	< 10	16	< 0.5	3	2.61	19	58	18.0	< 10	< 1	0.09	< 10
1096599	< 5	< 0.2	< 0.5	69	868	< 1	60	< 2	86	1.92	4	< 10	13	< 0.5	< 2	2.62	22	85	14.0	< 10	< 1	0.08	< 10
1096600	> 5000																						
1096601	< 5	0.3	< 0.5	56	869	< 1	61	< 2	196	2.03	3	< 10	35	< 0.5	< 2	2.50	21	83	15.4	< 10	< 1	0.30	< 10
1096602	< 5	0.3	< 0.5	83	802	< 1	76	< 2	118	2.84	3	< 10	44	< 0.5	< 2	1.53	26	106	16.4	< 10	< 1	0.45	< 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
1096603	< 5	< 0.2	< 0.5	84	667	< 1	62	< 2	84	2.21	8	< 10	23	< 0.5	< 2	1.74	25	85	15.8	< 10	< 1	0.26	< 10
1096604	< 5	0.2	< 0.5	67	891	< 1	55	< 2	85	1.82	6	< 10	42	< 0.5	< 2	2.49	20	81	16.9	< 10	< 1	0.36	< 10
1096605	< 5	0.2	< 0.5	64	797	< 1	47	< 2	76	1.49	3	< 10	39	< 0.5	< 2	2.32	18	71	16.2	< 10	< 1	0.33	< 10
1096606	5	0.2	< 0.5	54	813	< 1	14	< 2	56	0.34	3	< 10	< 10	< 0.5	< 2	3.69	10	18	20.2	< 10	< 1	< 0.01	< 10
1096607	< 5	< 0.2	< 0.5	6	288	< 1	7	6	50	0.78	< 2	< 10	82	< 0.5	< 2	0.57	7	12	3.21	< 10	< 1	0.48	26
1096608	< 5	< 0.2	< 0.5	6	143	< 1	2	11	22	0.44	< 2	< 10	36	< 0.5	< 2	0.51	2	7	0.69	< 10	< 1	0.20	14
1096609	< 5	< 0.2	< 0.5	4	142	< 1	2	8	27	0.48	< 2	< 10	43	< 0.5	< 2	0.61	2	8	0.62	< 10	< 1	0.20	12
1096610	< 5	< 0.2	< 0.5	19	655	3	7	< 2	35	1.24	< 2	< 10	60	< 0.5	< 2	1.14	6	15	2.43	< 10	< 1	0.11	< 10
1096611	< 5	< 0.2	< 0.5	6	189	< 1	4	6	38	0.81	< 2	< 10	68	< 0.5	< 2	1.07	4	8	0.95	< 10	< 1	0.35	29
1096612	< 5	< 0.2	< 0.5	12	274	< 1	7	5	56	0.91	< 2	< 10	94	< 0.5	< 2	0.99	7	10	2.39	< 10	< 1	0.52	33
1096613	11	0.3	< 0.5	114	794	< 1	42	< 2	104	1.80	5	< 10	81	< 0.5	< 2	1.09	18	62	18.1	< 10	< 1	0.79	< 10
1096614	11	0.3	< 0.5	82	793	< 1	35	3	104	1.48	7	< 10	96	< 0.5	< 2	1.66	17	54	22.9	< 10	< 1	0.54	< 10
1096615	9	< 0.2	< 0.5	15	222	< 1	4	13	36	0.89	< 2	< 10	109	< 0.5	< 2	0.99	4	8	1.39	< 10	< 1	0.37	17

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
1096552	1.79	0.257	0.039	0.10	< 2	14	13	0.22	< 20	1	< 2	< 10	114	< 10	8	2	
1096553	1.23	0.193	0.035	0.25	< 2	12	43	0.24	< 20	1	< 2	< 10	95	< 10	7	2	
1096554	0.96	0.117	0.049	0.29	< 2	5	37	0.12	< 20	2	< 2	< 10	51	< 10	7	4	
1096555	0.13	0.012	0.037	0.29	4	< 1	5	< 0.01	< 20	< 1	< 2	< 10	10	< 10	6	3	
1096556	0.64	0.048	0.019	0.08	< 2	4	9	0.05	< 20	< 1	< 2	< 10	28	< 10	4	3	
1096557	0.80	0.114	0.063	0.04	< 2	3	41	0.19	< 20	< 1	< 2	< 10	39	< 10	3	15	
1096558	1.77	0.238	0.031	0.05	< 2	11	37	0.26	< 20	1	< 2	< 10	93	< 10	6	2	
1096559	1.89	0.245	0.036	0.05	< 2	11	27	0.25	< 20	1	< 2	< 10	99	< 10	7	2	
1096560	0.53	0.112	0.037	0.09	3	4	49	0.12	< 20	3	< 2	< 10	34	< 10	9	6	
1096561	1.83	0.281	0.029	0.07	< 2	12	19	0.23	< 20	2	< 2	< 10	101	< 10	8	2	
1096562	1.97	0.277	0.030	0.04	< 2	13	20	0.25	< 20	< 1	< 2	< 10	106	< 10	9	2	
1096563	2.16	0.285	0.029	0.10	< 2	13	19	0.24	< 20	2	< 2	< 10	110	< 10	8	2	
1096564	1.97	0.261	0.023	0.14	< 2	13	18	0.22	< 20	1	< 2	< 10	105	< 10	7	2	
1096565	1.93	0.243	0.023	0.15	< 2	13	18	0.22	< 20	2	< 2	< 10	103	< 10	7	2	
1096566	2.51	0.256	0.031	0.11	2	14	18	0.22	< 20	1	< 2	< 10	120	< 10	7	2	
1096567	1.21	0.125	0.038	0.14	< 2	9	53	0.28	< 20	3	< 2	< 10	80	< 10	7	3	
1096568	0.70	0.113	0.035	1.31	4	4	20	0.10	< 20	< 1	< 2	< 10	81	< 10	4	4	
1096569	1.53	0.161	0.036	1.44	5	7	10	0.12	< 20	1	< 2	< 10	98	< 10	5	5	
1096570	0.45	0.075	0.038	0.04	< 2	4	46	0.11	< 20	2	< 2	< 10	26	< 10	9	5	
1096571	1.17	0.146	0.052	1.62	6	5	14	0.10	< 20	< 1	< 2	< 10	89	< 10	5	6	
1096572	0.34	0.061	0.045	1.41	6	2	11	0.04	< 20	< 1	< 2	< 10	42	< 10	3	6	
1096573	0.52	0.038	0.041	1.96	6	2	21	0.07	< 20	< 1	< 2	< 10	44	< 10	3	6	
1096574	0.48	0.051	0.040	2.77	6	2	102	0.09	< 20	1	< 2	< 10	54	< 10	3	5	
1096575	0.06	0.018	0.032	2.54	7	< 1	26	0.03	< 20	< 1	< 2	< 10	18	< 10	2	6	
1096576	0.06	0.014	0.046	1.10	7	< 1	12	0.02	< 20	3	< 2	< 10	23	< 10	3	5	
1096577	0.05	0.011	0.034	1.32	15	1	14	0.10	< 20	4	< 2	< 10	43	< 10	2	7	
1096578	0.28	0.037	0.043	1.14	7	1	17	0.05	< 20	< 1	< 2	< 10	40	< 10	3	6	
1096579	0.39	0.054	0.035	1.72	5	2	23	0.08	< 20	< 1	< 2	< 10	50	< 10	2	4	
1096580	0.84	0.032	0.054	1.02	5	2	140	0.02	< 20	1	< 2	< 10	22	19	3	17	
1096581	0.83	0.123	0.044	1.24	5	5	24	0.12	< 20	< 1	< 2	< 10	76	< 10	4	4	
1096582	1.88	0.259	0.040	0.88	4	10	19	0.12	< 20	< 1	< 2	< 10	116	< 10	6	4	
1096583	1.46	0.231	0.047	1.20	5	8	18	0.11	< 20	< 1	< 2	< 10	96	< 10	5	5	
1096584	0.81	0.099	0.038	1.31	5	4	13	0.09	< 20	< 1	< 2	< 10	63	< 10	5	5	
1096585	1.33	0.171	0.040	1.79	4	7	12	0.14	< 20	< 1	< 2	< 10	87	< 10	5	4	
1096586	0.05	0.070	0.003	0.02	< 2	< 1	9	0.02	< 20	< 1	< 2	< 10	3	< 10	4	23	
1096587	0.02	0.073	0.003	0.02	< 2	< 1	9	< 0.01	< 20	< 1	< 2	< 10	1	< 10	5	27	
1096588	1.78	0.090	0.032	0.90	5	6	26	0.18	< 20	< 1	< 2	< 10	85	< 10	5	6	
1096589	1.57	0.187	0.038	1.29	5	7	13	0.15	< 20	1	< 2	< 10	91	< 10	5	4	
1096590																	
1096591	1.52	0.136	0.040	0.96	5	7	16	0.17	< 20	2	< 2	< 10	98	< 10	5	4	
1096592	0.99	0.140	0.038	0.68	4	5	36	0.14	< 20	1	< 2	< 10	64	< 10	4	10	
1096593	1.06	0.096	0.031	0.15	3	3	26	0.14	< 20	< 1	< 2	< 10	52	< 10	2	17	
1096594	0.56	0.093	0.029	0.06	< 2	1	92	0.09	< 20	3	< 2	< 10	15	< 10	2	10	
1096595	0.39	0.077	0.037	0.31	< 2	1	53	0.10	< 20	1	< 2	< 10	20	< 10	2	9	
1096596	0.63	0.088	0.035	0.22	< 2	1	99	0.09	< 20	< 1	< 2	< 10	29	< 10	2	11	
1096597	0.42	0.047	0.058	1.62	7	2	16	0.08	< 20	3	< 2	< 10	57	< 10	3	6	
1096598	1.05	0.152	0.054	1.00	5	5	9	0.08	< 20	1	< 2	< 10	78	< 10	6	5	
1096599	1.47	0.230	0.038	0.60	5	8	16	0.12	< 20	< 1	< 2	< 10	99	< 10	5	4	
1096600																	5.17
1096601	1.69	0.203	0.038	0.52	5	8	11	0.15	< 20	< 1	< 2	< 10	100	< 10	5	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
1096602	2.48	0.182	0.033	0.67	6	9	5	0.15	< 20	< 1	< 2	< 10	130	< 10	5	4	
1096603	1.89	0.171	0.035	0.68	6	8	6	0.14	< 20	< 1	< 2	< 10	106	< 10	5	4	
1096604	1.55	0.183	0.039	0.50	4	7	8	0.12	< 20	< 1	< 2	< 10	96	< 10	5	4	
1096605	1.26	0.134	0.041	0.50	5	5	7	0.10	< 20	< 1	< 2	< 10	85	< 10	4	4	
1096606	0.20	0.031	0.048	0.44	6	< 1	15	0.04	< 20	< 1	< 2	< 10	37	< 10	3	5	
1096607	0.40	0.078	0.039	0.02	< 2	2	34	0.15	< 20	2	< 2	< 10	25	< 10	3	26	
1096608	0.15	0.065	0.021	0.02	< 2	< 1	53	0.07	< 20	< 1	< 2	< 10	8	< 10	2	19	
1096609	0.15	0.056	0.029	0.02	< 2	< 1	67	0.08	< 20	1	< 2	< 10	7	< 10	2	12	
1096610	0.47	0.089	0.039	0.04	< 2	4	49	0.12	< 20	< 1	< 2	< 10	27	< 10	10	6	
1096611	0.33	0.065	0.033	0.05	< 2	1	128	0.15	< 20	2	< 2	< 10	10	< 10	3	21	
1096612	0.46	0.079	0.043	0.07	< 2	2	65	0.18	< 20	2	< 2	< 10	23	< 10	3	26	
1096613	1.50	0.076	0.041	0.62	5	5	35	0.16	< 20	< 1	< 2	< 10	94	< 10	4	6	
1096614	1.31	0.086	0.051	0.45	8	4	31	0.13	< 20	< 1	< 2	< 10	97	< 10	4	6	
1096615	0.31	0.076	0.041	0.05	< 2	1	293	0.13	< 20	1	< 2	< 10	18	< 10	3	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
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		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		1.5	< 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		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
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	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3020																						
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 E1336 (Fire Assay) Meas	504																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	502																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 297 (Fire Assay) Meas																							
OREAS 297 (Fire Assay) Cert																							
1096561 Orig	6																						
1096561 Dup	8																						
1096562 Orig		< 0.2	< 0.5	59	1090	< 1	63	< 2	47	2.60	< 2	< 10	20	< 0.5	< 2	2.90	21	90	5.23	< 10	< 1	0.21	< 10
1096562 Dup		< 0.2	< 0.5	60	1110	< 1	63	< 2	47	2.62	< 2	< 10	20	< 0.5	< 2	2.95	21	91	5.23	< 10	1	0.22	< 10
1096569 Orig	17																						
1096569 Dup	14																						
1096573 Orig	55																						
1096573 Dup	106																						
1096585 Orig		0.4	< 0.5	94	888	< 1	52	6	92	1.60	3	< 10	15	< 0.5	< 2	2.21	21	73	14.3	< 10	< 1	0.17	< 10
1096585 Dup		0.4	< 0.5	95	891	< 1	53	8	90	1.60	5	< 10	15	< 0.5	< 2	2.20	21	72	14.3	< 10	< 1	0.18	< 10
1096595 Orig	< 5																						
1096595 Dup	< 5																						
1096599 Orig		< 0.2	< 0.5	68	862	< 1	61	2	85	1.91	2	< 10	13	< 0.5	< 2	2.60	22	84	13.9	< 10	< 1	0.08	< 10
1096599 Dup		< 0.2	< 0.5	69	874	< 1	60	< 2	86	1.94	6	< 10	14	< 0.5	< 2	2.64	22	85	14.0	< 10	< 1	0.08	< 10
1096601 Orig	< 5	0.3	< 0.5	56	869	< 1	61	< 2	196	2.03	3	< 10	35	< 0.5	< 2	2.50	21	83	15.4	< 10	< 1	0.30	< 10
1096601 Split PREP DUP	< 5	0.3	< 0.5	55	872	< 1	59	< 2	192	2.00	6	< 10	33	< 0.5	< 2	2.59	21	81	15.3	< 10	< 1	0.29	< 10
1096604 Orig	< 5																						
1096604 Dup	< 5																						
1096608 Orig	< 5																						
1096608 Dup	< 5																						
1096613 Orig		0.3	< 0.5	114	794	< 1	43	< 2	103	1.79	2	< 10	78	< 0.5	< 2	1.08	18	62	17.9	< 10	< 1	0.77	< 10
1096613 Dup		0.3	< 0.5	115	794	< 1	41	< 2	104	1.81	8	< 10	84	< 0.5	< 2	1.09	18	62	18.4	< 10	< 1	0.80	< 10
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

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	0.122	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	1.27	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		0.060	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	0.41	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 Regia) Meas	0.43	0.175	0.033	4.47	112	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 229b (Fire Assay) Meas																	11.6
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
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 297 (Fire Assay) Meas																	17.1
OREAS 297 (Fire Assay) Cert																	17.8
1096561 Orig																	
1096561 Dup																	
1096562 Orig	1.96	0.276	0.031	0.04	2	12	20	0.24	< 20	< 1	< 2	< 10	105	< 10	9	2	
1096562 Dup	1.97	0.277	0.030	0.04	< 2	13	20	0.26	< 20	2	< 2	< 10	106	< 10	9	2	
1096569 Orig																	
1096569 Dup																	
1096573 Orig																	
1096573 Dup																	
1096585 Orig	1.33	0.170	0.040	1.82	5	7	12	0.14	< 20	< 1	< 2	< 10	87	< 10	5	4	
1096585 Dup	1.33	0.172	0.040	1.76	4	7	12	0.14	< 20	< 1	< 2	< 10	87	< 10	5	4	
1096595 Orig																	
1096595 Dup																	
1096599 Orig	1.46	0.229	0.038	0.59	5	8	16	0.12	< 20	< 1	< 2	< 10	99	< 10	5	4	
1096599 Dup	1.48	0.231	0.039	0.61	5	8	16	0.12	< 20	< 1	< 2	< 10	99	< 10	5	4	
1096601 Orig	1.69	0.203	0.038	0.52	5	8	11	0.15	< 20	< 1	< 2	< 10	100	< 10	5	4	
1096601 Split PREP DUP	1.65	0.198	0.037	0.52	5	8	12	0.14	< 20	< 1	< 2	< 10	98	< 10	5	4	
1096604 Orig																	
1096604 Dup																	
1096608 Orig																	
1096608 Dup																	
1096613 Orig	1.48	0.076	0.040	0.61	7	5	35	0.16	< 20	3	< 2	< 10	94	< 10	4	6	
1096613 Dup	1.51	0.077	0.041	0.63	4	5	35	0.16	< 20	< 1	< 2	< 10	94	< 10	4	6	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03
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	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	



Report No.: A21-03128
 Report Date: 08-Mar-21
 Date Submitted: 24-Feb-21
 Your Reference:

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

ATTN: Haydn Daxter

CERTIFICATE OF ANALYSIS

173 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2021-02-28 09:16:36
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2021-03-05 07:52:48

REPORT **A21-03128**

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
 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: A21-03128

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
1096616	5	< 0.2	< 0.5	21	500	< 1	72	< 2	30	2.43	< 2	< 10	< 10	< 0.5	< 2	2.74	17	75	4.70	< 10	< 1	0.05	< 10
1096617	8	0.5	< 0.5	392	186	< 1	63	3	22	0.52	3	< 10	< 10	< 0.5	< 2	0.77	34	24	22.2	< 10	< 1	0.01	< 10
1096618	7	< 0.2	< 0.5	37	455	< 1	90	< 2	17	2.27	< 2	< 10	< 10	< 0.5	< 2	1.42	21	143	4.00	< 10	< 1	0.03	< 10
1096619	< 5	0.4	< 0.5	405	532	< 1	122	3	30	1.43	< 2	< 10	40	< 0.5	< 2	3.38	22	80	13.3	< 10	< 1	0.16	< 10
1096620	561	0.6	0.8	110	632	6	10	87	140	1.10	35	< 10	90	< 0.5	< 2	0.95	5	22	2.45	< 10	< 1	0.12	< 10
1096621	< 5	0.2	0.5	238	187	2	33	3	66	0.90	< 2	< 10	70	< 0.5	< 2	0.33	21	23	2.98	< 10	< 1	0.33	< 10
1096622	6	< 0.2	< 0.5	71	165	< 1	12	3	38	0.87	< 2	< 10	176	< 0.5	< 2	0.27	6	16	1.93	< 10	< 1	0.31	17
1096623	< 5	< 0.2	< 0.5	66	180	1	12	2	43	0.85	< 2	< 10	193	< 0.5	< 2	0.30	6	17	1.81	< 10	< 1	0.35	16
1096624	8	0.6	< 0.5	762	282	< 1	340	9	78	0.21	< 2	< 10	< 10	< 0.5	< 2	1.43	85	108	13.9	< 10	< 1	0.01	11
1096625	6	< 0.2	< 0.5	174	371	1	107	3	49	1.72	< 2	< 10	< 10	< 0.5	< 2	1.86	26	138	3.49	< 10	< 1	0.07	< 10
1096626	< 5	< 0.2	< 0.5	108	582	< 1	64	< 2	43	2.69	< 2	< 10	21	< 0.5	< 2	2.86	23	90	3.93	< 10	< 1	0.07	< 10
1096627	6	< 0.2	< 0.5	108	602	< 1	61	< 2	58	2.29	< 2	< 10	20	< 0.5	< 2	2.49	25	94	4.12	< 10	< 1	0.09	< 10
1096628	7	< 0.2	< 0.5	166	631	< 1	68	< 2	63	2.45	< 2	< 10	24	< 0.5	< 2	2.36	24	97	7.71	< 10	< 1	0.10	< 10
1096629	7	< 0.2	< 0.5	138	505	< 1	77	< 2	72	2.88	< 2	< 10	< 10	< 0.5	< 2	1.53	28	118	6.16	< 10	< 1	0.07	< 10
1096630	< 5																						
1096631	9	< 0.2	< 0.5	124	806	< 1	52	< 2	69	1.98	< 2	< 10	18	< 0.5	< 2	3.03	24	86	3.94	< 10	< 1	0.07	< 10
1096632	7	< 0.2	< 0.5	117	649	< 1	53	< 2	56	2.39	< 2	< 10	< 10	< 0.5	< 2	2.85	24	93	4.24	< 10	< 1	0.06	< 10
1096633	< 5	< 0.2	< 0.5	137	630	< 1	51	< 2	45	2.38	< 2	< 10	< 10	< 0.5	< 2	2.97	24	89	3.96	< 10	< 1	0.06	< 10
1096634	7	< 0.2	< 0.5	123	709	< 1	64	< 2	64	2.49	< 2	< 10	13	< 0.5	< 2	2.62	25	93	5.21	< 10	< 1	0.08	< 10
1096635	8	0.2	0.7	92	715	< 1	69	< 2	90	2.59	< 2	< 10	31	< 0.5	< 2	2.10	23	100	11.9	< 10	< 1	0.09	< 10
1096636	14	0.4	< 0.5	197	658	< 1	69	5	64	1.75	< 2	< 10	15	< 0.5	< 2	2.08	27	79	13.1	< 10	< 1	0.19	< 10
1096637	7	< 0.2	< 0.5	126	607	< 1	73	< 2	86	2.72	< 2	< 10	20	< 0.5	< 2	2.13	24	97	8.27	< 10	< 1	0.11	< 10
1096638	6	< 0.2	< 0.5	119	616	< 1	83	< 2	92	3.42	< 2	< 10	72	< 0.5	< 2	1.89	26	104	7.24	< 10	2	0.20	< 10
1096639	7	< 0.2	< 0.5	77	550	< 1	79	< 2	79	3.46	< 2	< 10	28	< 0.5	< 2	1.94	25	109	7.34	< 10	2	0.09	< 10
1096640	580	0.6	0.8	123	719	7	12	94	153	1.31	42	12	104	< 0.5	< 2	1.11	7	25	2.81	< 10	< 1	0.14	< 10
1096641	5	< 0.2	< 0.5	121	517	< 1	75	< 2	64	2.88	< 2	< 10	< 10	< 0.5	< 2	1.95	24	94	7.28	< 10	2	0.06	< 10
1096642	< 5	< 0.2	< 0.5	146	646	< 1	82	< 2	72	3.20	< 2	< 10	39	< 0.5	< 2	1.85	28	108	8.54	< 10	< 1	0.17	< 10
1096643	< 5	< 0.2	< 0.5	152	775	< 1	87	< 2	70	3.50	< 2	< 10	134	< 0.5	< 2	1.82	31	122	7.14	< 10	< 1	0.60	< 10
1096644	< 5	< 0.2	< 0.5	90	713	< 1	78	< 2	62	3.10	< 2	< 10	102	< 0.5	< 2	1.81	26	110	6.40	< 10	2	0.48	< 10
1096645	< 5	< 0.2	< 0.5	100	717	< 1	81	< 2	63	3.14	< 2	< 10	106	< 0.5	< 2	1.81	27	111	6.57	< 10	< 1	0.50	< 10
1096646	< 5	< 0.2	< 0.5	52	666	< 1	82	< 2	60	2.97	< 2	< 10	117	< 0.5	< 2	1.78	28	123	5.73	< 10	1	0.57	< 10
1096647	< 5	< 0.2	< 0.5	78	623	< 1	78	< 2	55	2.73	< 2	< 10	131	< 0.5	< 2	1.67	27	113	5.80	< 10	2	0.60	< 10
1096648	< 5	< 0.2	< 0.5	115	686	1	85	< 2	59	3.43	< 2	< 10	124	< 0.5	< 2	1.72	30	123	7.20	< 10	< 1	0.53	< 10
1096649	< 5	< 0.2	< 0.5	105	768	< 1	86	< 2	61	3.41	< 2	< 10	174	< 0.5	< 2	1.97	29	124	7.48	< 10	1	0.72	< 10
1096650	< 5	< 0.2	< 0.5	20	658	4	6	< 2	36	1.25	< 2	< 10	72	< 0.5	< 2	1.15	5	15	2.53	< 10	< 1	0.10	< 10
1096651	8	0.3	< 0.5	212	664	< 1	73	4	55	2.72	< 2	< 10	68	< 0.5	< 2	1.96	27	102	9.59	< 10	< 1	0.62	< 10
1096652	7	< 0.2	< 0.5	93	643	< 1	77	< 2	54	2.81	< 2	< 10	146	< 0.5	< 2	2.56	25	111	9.66	< 10	< 1	1.05	< 10
1096653	7	0.3	< 0.5	109	611	< 1	38	< 2	36	1.10	< 2	< 10	52	< 0.5	3	3.90	13	49	16.7	< 10	1	0.19	< 10
1096654	5	< 0.2	< 0.5	99	657	< 1	70	6	64	2.21	< 2	< 10	63	< 0.5	< 2	2.04	23	106	9.08	< 10	< 1	0.29	< 10
1096655	6	< 0.2	< 0.5	142	610	< 1	80	< 2	63	2.51	< 2	< 10	117	< 0.5	< 2	1.77	28	117	9.54	< 10	< 1	0.68	< 10
1096656	5	< 0.2	< 0.5	107	608	< 1	90	< 2	69	2.94	< 2	< 10	144	< 0.5	< 2	1.67	29	128	7.75	< 10	< 1	0.78	< 10
1096657	5	< 0.2	< 0.5	114	576	< 1	83	< 2	68	2.89	< 2	< 10	138	< 0.5	< 2	1.58	29	123	7.08	< 10	< 1	0.80	< 10
1096658	6	0.2	< 0.5	104	612	< 1	73	25	79	2.30	< 2	< 10	105	< 0.5	< 2	1.73	27	113	12.3	< 10	< 1	0.67	< 10
1096659	8	< 0.2	< 0.5	139	756	< 1	81	26	75	2.61	< 2	< 10	161	< 0.5	< 2	2.00	28	112	8.02	< 10	2	0.77	< 10
1096660	2810	11.3	5.1	78	442	5	32	389	752	1.30	4090	< 10	37	< 0.5	< 2	2.55	13	28	7.96	< 10	< 1	0.24	13
1096661	7	0.2	< 0.5	126	636	< 1	52	27	72	1.85	< 2	< 10	95	< 0.5	< 2	3.11	18	73	13.7	< 10	< 1	0.48	< 10
1096662	5	< 0.2	< 0.5	34	450	3	37	4	52	1.50	< 2	< 10	114	< 0.5	< 2	1.18	13	66	4.47	< 10	< 1	0.27	< 10
1096663	6	0.2	< 0.5	153	728	1	69	< 2	50	2.37	< 2	< 10	68	< 0.5	< 2	3.22	22	93	10.9	< 10	< 1	0.27	< 10
1096664	6	< 0.2	< 0.5	129	664	< 1	55	< 2	41	2.32	< 2	< 10	18	< 0.5	< 2	3.17	21	91	4.95	< 10	< 1	0.13	< 10
1096665	5	< 0.2	< 0.5	127	817	2	83	< 2	55	2.93	< 2	< 10	20	< 0.5	< 2	2.61	29	116	7.20	< 10	1	0.13	< 10
1096666	5	< 0.2	< 0.5	126	750	2	79	< 2	52	2.78	< 2	< 10	20	< 0.5	< 2	2.36	28	109	6.79	< 10	2	0.12	< 10

Results

Activation Laboratories Ltd.

Report: A21-03128

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
1096667	< 5	< 0.2	< 0.5	80	788	< 1	76	< 2	52	2.76	< 2	< 10	19	< 0.5	< 2	2.61	24	108	6.48	< 10	1	0.11	< 10
1096668	< 5	< 0.2	< 0.5	73	713	< 1	82	< 2	59	3.05	< 2	< 10	31	< 0.5	< 2	2.22	27	113	6.91	< 10	< 1	0.17	< 10
1096669	5	< 0.2	< 0.5	67	760	< 1	81	< 2	64	3.30	< 2	< 10	58	< 0.5	< 2	2.20	27	116	7.06	< 10	2	0.29	< 10
1096670	5	< 0.2	< 0.5	20	657	4	6	< 2	35	1.24	< 2	< 10	71	< 0.5	< 2	1.15	6	15	2.53	< 10	< 1	0.10	< 10
1096671	< 5	< 0.2	< 0.5	79	788	< 1	80	< 2	63	3.34	< 2	< 10	31	< 0.5	< 2	2.28	28	117	6.96	< 10	3	0.16	< 10
1096672	< 5	< 0.2	< 0.5	97	769	< 1	76	< 2	56	3.13	< 2	< 10	25	< 0.5	< 2	2.50	26	110	6.53	< 10	< 1	0.14	< 10
1096673	7	0.2	< 0.5	292	676	< 1	64	< 2	51	2.70	< 2	< 10	12	< 0.5	< 2	2.17	29	86	7.07	< 10	< 1	0.08	< 10
1096674	6	0.3	< 0.5	120	793	< 1	77	5	111	3.31	< 2	< 10	30	< 0.5	< 2	2.56	25	106	9.57	< 10	1	0.16	< 10
1096675	5	< 0.2	< 0.5	87	886	< 1	83	5	91	3.47	2	< 10	70	< 0.5	< 2	1.96	28	114	10.2	< 10	< 1	0.27	< 10
1096676	5	0.3	< 0.5	75	820	< 1	55	38	201	2.66	< 2	< 10	101	< 0.5	< 2	2.00	20	86	8.59	< 10	< 1	0.24	< 10
1096677	< 5	< 0.2	< 0.5	92	533	< 1	52	< 2	43	1.98	< 2	< 10	78	< 0.5	< 2	1.78	20	66	4.85	< 10	< 1	0.14	< 10
1096678	5	< 0.2	< 0.5	83	799	< 1	73	< 2	54	3.06	< 2	< 10	32	< 0.5	< 2	2.91	25	122	6.43	< 10	2	0.17	< 10
1096679	< 5	< 0.2	< 0.5	118	632	< 1	65	< 2	47	2.38	< 2	< 10	21	< 0.5	< 2	2.47	20	86	8.33	< 10	< 1	0.08	< 10
1096680	4840	1.8	3.1	344	357	9	21	131	633	1.35	6530	< 10	15	< 0.5	< 2	1.12	13	28	10.9	< 10	< 1	0.24	< 10
1096681	< 5	< 0.2	0.7	181	798	< 1	68	< 2	52	2.72	< 2	< 10	38	< 0.5	< 2	2.98	26	104	11.5	< 10	< 1	0.20	< 10
1096682	< 5	0.2	< 0.5	97	834	1	50	< 2	43	1.97	< 2	< 10	52	< 0.5	< 2	3.86	18	79	13.5	< 10	1	0.24	< 10
1096683	< 5	0.2	< 0.5	174	735	< 1	41	< 2	31	1.44	< 2	< 10	31	< 0.5	< 2	4.37	16	56	13.6	< 10	< 1	0.09	< 10
1096684	< 5	< 0.2	< 0.5	139	749	< 1	66	< 2	48	2.44	< 2	< 10	19	< 0.5	< 2	2.69	22	100	8.85	< 10	< 1	0.13	< 10
1096685	< 5	< 0.2	< 0.5	100	648	< 1	69	6	54	2.49	< 2	< 10	74	< 0.5	< 2	2.36	23	98	6.05	< 10	< 1	0.39	< 10
1096686	< 5	< 0.2	< 0.5	128	871	< 1	69	< 2	57	2.94	< 2	< 10	20	< 0.5	< 2	3.23	25	109	9.62	< 10	1	0.14	< 10
1096687	< 5	< 0.2	< 0.5	103	638	< 1	72	< 2	54	2.69	< 2	< 10	49	< 0.5	< 2	2.16	25	97	6.70	< 10	1	0.25	< 10
1096688	< 5	< 0.2	< 0.5	121	670	< 1	80	< 2	49	2.37	< 2	< 10	64	< 0.5	< 2	2.04	30	93	5.31	< 10	< 1	0.35	< 10
1096689	< 5	< 0.2	< 0.5	123	697	< 1	75	4	51	2.15	< 2	< 10	32	< 0.5	< 2	2.20	29	92	4.96	< 10	< 1	0.16	< 10
1096690	< 5	< 0.2	< 0.5	17	579	3	5	< 2	33	1.07	< 2	< 10	62	< 0.5	< 2	1.01	4	13	2.20	< 10	< 1	0.09	< 10
1096691	< 5	< 0.2	< 0.5	96	727	< 1	78	13	73	2.47	< 2	< 10	46	< 0.5	< 2	2.30	27	99	5.51	< 10	< 1	0.21	< 10
1096692	< 5	< 0.2	< 0.5	106	610	< 1	87	< 2	51	2.68	< 2	< 10	24	< 0.5	< 2	2.08	28	110	5.91	< 10	< 1	0.14	< 10
1096693	< 5	< 0.2	< 0.5	147	638	< 1	61	< 2	43	2.04	4	< 10	43	< 0.5	< 2	2.64	21	76	8.81	< 10	< 1	0.18	< 10
1096694	< 5	< 0.2	< 0.5	128	664	< 1	70	< 2	55	2.14	< 2	< 10	73	< 0.5	< 2	2.10	24	95	7.72	< 10	2	0.31	< 10
1096695	< 5	0.2	< 0.5	154	618	< 1	56	7	68	1.77	< 2	< 10	11	< 0.5	< 2	2.25	23	67	9.01	< 10	< 1	0.07	< 10
1096696	< 5	< 0.2	< 0.5	134	591	< 1	63	< 2	50	2.05	< 2	< 10	61	< 0.5	< 2	2.30	24	84	7.90	< 10	< 1	0.30	< 10
1096697	< 5	< 0.2	< 0.5	107	758	< 1	53	< 2	47	1.61	< 2	< 10	37	< 0.5	< 2	3.52	18	75	11.8	< 10	< 1	0.16	< 10
1096698	< 5	< 0.2	< 0.5	58	635	< 1	44	< 2	41	1.07	< 2	< 10	64	< 0.5	< 2	3.15	16	79	17.5	< 10	< 1	0.23	< 10
1096699	< 5	< 0.2	< 0.5	129	791	< 1	70	< 2	60	2.62	< 2	< 10	44	< 0.5	< 2	2.43	26	102	7.88	< 10	3	0.24	< 10
1096700	561	0.6	< 0.5	117	677	6	11	92	152	1.24	39	10	97	< 0.5	< 2	1.04	5	24	2.64	< 10	< 1	0.13	< 10
1096701	< 5	< 0.2	< 0.5	130	760	< 1	62	3	55	2.33	< 2	< 10	62	< 0.5	< 2	2.70	22	86	8.34	< 10	< 1	0.31	< 10
1096702	< 5	< 0.2	< 0.5	80	795	< 1	77	< 2	72	3.12	< 2	< 10	74	< 0.5	< 2	2.52	26	106	6.34	< 10	< 1	0.48	< 10
1096703	< 5	< 0.2	< 0.5	83	693	< 1	69	< 2	55	2.67	< 2	< 10	92	< 0.5	< 2	2.19	24	98	5.85	< 10	< 1	0.51	< 10
1096704	< 5	< 0.2	< 0.5	82	723	< 1	69	< 2	63	3.01	< 2	< 10	27	< 0.5	< 2	2.23	25	104	6.08	< 10	< 1	0.16	< 10
1096705	< 5	< 0.2	< 0.5	119	615	< 1	74	22	130	2.74	< 2	< 10	36	< 0.5	< 2	1.97	25	92	7.41	< 10	< 1	0.14	< 10
1096706	< 5	0.2	< 0.5	240	575	< 1	74	13	93	2.40	< 2	< 10	24	< 0.5	< 2	1.69	32	87	9.79	< 10	1	0.11	< 10
1096707	< 5	< 0.2	< 0.5	141	620	< 1	80	< 2	60	2.49	< 2	< 10	25	< 0.5	< 2	1.84	28	99	6.01	< 10	1	0.15	< 10
1096708	< 5	< 0.2	0.7	112	639	< 1	80	< 2	63	2.55	< 2	< 10	62	< 0.5	< 2	2.08	30	101	5.68	< 10	< 1	0.31	< 10
1096709	< 5	< 0.2	< 0.5	140	617	< 1	75	< 2	68	2.53	< 2	< 10	91	< 0.5	< 2	2.13	27	97	6.45	< 10	< 1	0.43	< 10
1096710	3510																						
1096711	< 5	< 0.2	< 0.5	104	682	< 1	81	2	77	2.63	< 2	< 10	73	< 0.5	< 2	2.08	26	103	7.62	< 10	1	0.41	< 10
1096712	< 5	< 0.2	< 0.5	108	739	< 1	79	< 2	96	3.17	3	< 10	98	< 0.5	< 2	1.33	29	122	9.97	< 10	< 1	0.46	< 10
1096713	< 5	< 0.2	< 0.5	150	777	< 1	72	< 2	88	3.07	< 2	< 10	< 10	< 0.5	< 2	1.65	26	116	10.1	< 10	< 1	0.05	< 10
1096714	< 5	< 0.2	< 0.5	116	673	< 1	71	< 2	73	2.35	< 2	< 10	13	< 0.5	< 2	2.32	23	103	8.55	< 10	1	0.08	< 10
1096715	< 5	< 0.2	< 0.5	117	614	< 1	79	< 2	66	3.16	< 2	< 10	< 10	< 0.5	< 2	1.72	24	112	8.52	< 10	2	0.05	< 10
1096716	< 5	< 0.2	< 0.5	94	687	< 1	81	< 2	69	2.62	< 2	< 10	< 10	< 0.5	< 2	2.09	29	118	6.49	< 10	< 1	0.06	< 10
1096717	< 5	< 0.2	< 0.5	108	699	< 1	80	< 2	84	3.25	< 2	< 10	< 10	< 0.5	< 2	1.48	29	124	10.9	< 10	< 1	0.04	< 10

Results

Activation Laboratories Ltd.

Report: A21-03128

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
1096718	< 5	< 0.2	< 0.5	140	736	< 1	78	< 2	76	3.13	< 2	< 10	34	< 0.5	< 2	2.03	29	117	9.68	< 10	< 1	0.18	< 10
1096719	< 5	< 0.2	< 0.5	98	737	< 1	78	< 2	83	3.08	2	< 10	38	< 0.5	< 2	1.70	27	113	8.54	< 10	< 1	0.28	< 10
1096720	3090	12.1	5.8	77	442	5	32	407	789	1.33	4130	< 10	35	< 0.5	< 2	2.53	11	27	7.88	< 10	< 1	0.24	13
1096721	< 5	< 0.2	< 0.5	120	612	< 1	69	< 2	73	2.36	< 2	< 10	40	< 0.5	< 2	1.83	26	101	9.57	< 10	< 1	0.37	< 10
1096722	< 5	0.2	< 0.5	136	671	< 1	80	< 2	70	2.62	< 2	< 10	86	< 0.5	< 2	1.66	31	121	8.16	< 10	< 1	0.80	< 10
1096723	5	0.3	< 0.5	96	712	< 1	41	3	52	1.23	2	< 10	33	< 0.5	< 2	3.26	22	62	14.0	< 10	< 1	0.23	< 10
1096724	< 5	< 0.2	< 0.5	148	663	< 1	56	< 2	45	1.78	< 2	< 10	< 10	< 0.5	< 2	2.51	23	80	5.34	< 10	< 1	0.08	< 10
1096725	< 5	< 0.2	< 0.5	148	718	< 1	59	< 2	48	1.93	< 2	< 10	< 10	< 0.5	< 2	2.74	25	86	5.64	< 10	< 1	0.09	< 10
1096726	< 5	0.3	< 0.5	80	644	< 1	57	< 2	71	2.06	< 2	< 10	73	< 0.5	< 2	1.91	22	94	5.11	< 10	< 1	0.39	< 10
1096727	< 5	< 0.2	< 0.5	106	780	< 1	50	< 2	48	1.77	< 2	< 10	< 10	< 0.5	< 2	3.79	19	85	10.9	< 10	< 1	0.12	< 10
1096728	< 5	< 0.2	< 0.5	89	690	< 1	62	< 2	54	2.11	< 2	< 10	< 10	< 0.5	< 2	2.69	21	91	7.76	< 10	< 1	0.11	< 10
1096729	< 5	< 0.2	< 0.5	65	803	< 1	56	< 2	53	2.25	< 2	< 10	< 10	< 0.5	< 2	2.75	22	95	6.25	< 10	< 1	0.10	< 10
1096730	2200	0.2	< 0.5	26	241	< 1	64	9	79	2.77	459	< 10	116	1.4	< 2	0.27	15	105	3.52	< 10	< 1	1.02	33
1096731	< 5	< 0.2	< 0.5	86	706	< 1	61	< 2	57	2.21	< 2	< 10	16	< 0.5	< 2	2.16	22	94	5.00	< 10	< 1	0.11	< 10
1096732	5	< 0.2	< 0.5	123	773	< 1	67	< 2	59	2.59	< 2	< 10	< 10	< 0.5	< 2	2.81	26	106	5.40	< 10	< 1	0.10	< 10
1096733	< 5	< 0.2	< 0.5	78	714	< 1	56	< 2	58	2.29	< 2	< 10	< 10	< 0.5	< 2	2.62	23	86	5.57	< 10	< 1	0.07	< 10
1096734	< 5	< 0.2	< 0.5	179	779	< 1	51	< 2	61	2.41	< 2	< 10	< 10	< 0.5	< 2	2.86	22	83	6.30	< 10	2	0.08	< 10
1096735	< 5	< 0.2	< 0.5	51	671	< 1	49	< 2	131	2.33	< 2	< 10	< 10	< 0.5	< 2	2.59	20	74	5.15	< 10	< 1	0.05	< 10
1096736	< 5	< 0.2	< 0.5	97	770	< 1	66	< 2	129	2.69	< 2	< 10	< 10	< 0.5	< 2	2.71	24	96	5.86	< 10	2	0.09	< 10
1096737	< 5	< 0.2	< 0.5	5	118	< 1	2	3	32	0.59	< 2	< 10	90	< 0.5	< 2	0.49	3	7	0.78	< 10	< 1	0.23	14
1096738	< 5	< 0.2	< 0.5	7	123	< 1	2	3	39	0.64	< 2	< 10	56	< 0.5	< 2	0.54	3	6	0.82	< 10	< 1	0.30	14
1096739	< 5	< 0.2	< 0.5	7	133	< 1	2	4	37	0.63	< 2	< 10	55	< 0.5	< 2	0.60	3	7	0.85	< 10	< 1	0.29	16
1096740	4730	2.0	3.0	346	357	9	24	132	633	1.39	6600	< 10	16	< 0.5	2	1.06	14	28	11.0	< 10	< 1	0.24	< 10
1096741	< 5	< 0.2	< 0.5	4	125	< 1	2	3	39	0.63	< 2	< 10	58	< 0.5	< 2	0.52	3	7	0.84	< 10	< 1	0.31	14
1096742	< 5	< 0.2	< 0.5	39	382	< 1	64	< 2	16	1.63	< 2	< 10	10	< 0.5	< 2	1.73	19	59	2.87	< 10	< 1	0.05	< 10
1096743	< 5	< 0.2	< 0.5	68	355	< 1	81	< 2	25	1.68	< 2	< 10	19	< 0.5	< 2	1.77	22	68	3.10	< 10	< 1	0.08	< 10
1096744	6	< 0.2	< 0.5	83	382	< 1	62	< 2	38	2.09	< 2	< 10	< 10	< 0.5	< 2	1.47	18	63	4.76	< 10	< 1	0.04	< 10
1096745	< 5	0.5	< 0.5	365	107	< 1	42	6	11	0.08	6	< 10	< 10	< 0.5	< 2	0.34	35	3	25.9	< 10	< 1	< 0.01	< 10
1096746	< 5	0.3	< 0.5	184	330	< 1	50	5	27	1.34	< 2	< 10	29	< 0.5	< 2	0.41	31	84	17.5	< 10	< 1	0.18	< 10
1096747	< 5	0.3	< 0.5	767	301	< 1	212	< 2	39	2.21	< 2	< 10	18	< 0.5	< 2	0.58	56	99	10.1	< 10	< 1	0.11	< 10
1096748	< 5	0.3	< 0.5	391	331	< 1	164	6	78	4.02	< 2	< 10	< 10	< 0.5	< 2	0.46	25	160	8.51	< 10	2	0.01	< 10
1096749	< 5	1.0	< 0.5	832	91	< 1	277	8	5	0.11	3	< 10	< 10	< 0.5	< 2	0.59	74	6	9.51	< 10	< 1	0.01	< 10
1096750	< 5	< 0.2	< 0.5	< 1	88	< 1	< 1	< 2	16	4.52	< 2	20	< 10	0.5	< 2	0.18	< 1	1	0.58	< 10	< 1	1.38	< 10
1096751	< 5	< 0.2	< 0.5	72	426	< 1	92	< 2	34	2.62	< 2	< 10	< 10	< 0.5	< 2	1.32	25	150	4.47	< 10	< 1	0.05	< 10
1096752	< 5	< 0.2	< 0.5	57	289	< 1	67	< 2	10	1.44	< 2	< 10	12	< 0.5	< 2	1.13	18	114	2.41	< 10	< 1	0.07	< 10
1096753	< 5	< 0.2	0.5	69	343	< 1	49	< 2	12	1.58	< 2	< 10	15	< 0.5	< 2	1.52	20	121	2.88	< 10	< 1	0.10	< 10
1096754	5	< 0.2	< 0.5	83	364	< 1	50	< 2	12	1.64	< 2	< 10	< 10	< 0.5	< 2	1.80	17	53	2.55	< 10	< 1	0.03	< 10
1096755	5	< 0.2	< 0.5	85	461	< 1	61	< 2	15	2.07	< 2	< 10	< 10	< 0.5	< 2	2.40	19	65	3.25	< 10	< 1	0.04	< 10
1096756	< 5	< 0.2	< 0.5	67	415	< 1	57	< 2	14	1.58	< 2	< 10	< 10	< 0.5	< 2	1.93	20	59	2.97	< 10	< 1	0.04	< 10
1096757	< 5	< 0.2	< 0.5	51	425	< 1	61	< 2	14	1.59	< 2	< 10	< 10	< 0.5	< 2	1.73	19	65	3.05	< 10	< 1	0.04	< 10
1096758	< 5	< 0.2	0.6	34	365	< 1	95	< 2	39	2.30	< 2	< 10	33	< 0.5	< 2	0.93	24	156	4.13	< 10	< 1	0.23	< 10
1096759	9	0.4	< 0.5	416	237	< 1	146	3	28	0.19	4	< 10	< 10	< 0.5	2	1.46	40	7	21.8	< 10	< 1	< 0.01	< 10
1096760	573	0.6	0.6	115	659	6	11	87	142	1.15	38	< 10	91	< 0.5	< 2	0.98	7	23	2.60	< 10	< 1	0.12	< 10
1096761	< 5	0.4	< 0.5	331	179	< 1	58	< 2	16	0.08	7	< 10	< 10	< 0.5	4	0.32	22	5	28.4	< 10	< 1	< 0.01	< 10
1096762	11	2.9	< 0.5	1600	512	< 1	276	15	30	1.39	2	< 10	< 10	< 0.5	< 2	0.70	79	61	13.8	< 10	1	0.03	< 10
1096763	10	1.2	< 0.5	1110	591	1	112	15	27	1.61	< 2	< 10	< 10	< 0.5	< 2	1.46	39	68	13.2	< 10	< 1	0.04	< 10
1096764	< 5	0.5	< 0.5	471	200	< 1	137	2	38	0.44	< 2	< 10	21	< 0.5	3	0.76	53	15	18.0	< 10	1	0.03	< 10
1096765	< 5	0.5	< 0.5	477	204	< 1	135	< 2	39	0.44	3	< 10	21	< 0.5	< 2	0.79	52	16	18.3	< 10	< 1	0.03	< 10
1096766	< 5	0.3	< 0.5	609	139	< 1	224	5	32	0.29	< 2	< 10	13	< 0.5	< 2	0.77	51	117	11.9	< 10	2	0.01	< 10
1096767	< 5	< 0.2	< 0.5	304	174	< 1	131	< 2	16	0.29	< 2	< 10	< 10	< 0.5	< 2	0.94	35	44	10.2	< 10	< 1	0.02	< 10
1096768	< 5	< 0.2	< 0.5	283	159	< 1	213	7	11	0.18	< 2	< 10	< 10	< 0.5	< 2	0.60	30	528	10.3	< 10	< 1	0.02	< 10

Results

Activation Laboratories Ltd.

Report: A21-03128

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
1096769	< 5	0.4	< 0.5	414	167	< 1	162	4	22	0.33	< 2	< 10	< 10	< 0.5	< 2	1.00	45	176	10.9	< 10	1	0.02	< 10
1096770	1490	0.3	< 0.5	77	1340	1	116	4	73	1.68	998	< 10	38	< 0.5	< 2	1.88	29	46	5.97	< 10	1	0.08	14
1096771	< 5	0.4	< 0.5	569	144	< 1	46	< 2	14	0.16	2	< 10	< 10	< 0.5	< 2	0.62	58	17	18.6	< 10	< 1	< 0.01	< 10
1096772	< 5	< 0.2	< 0.5	269	161	< 1	28	4	18	0.39	< 2	< 10	54	< 0.5	< 2	0.71	23	11	10.1	< 10	< 1	0.06	< 10
1096773	< 5	< 0.2	< 0.5	279	125	< 1	117	4	8	0.25	< 2	< 10	33	< 0.5	< 2	0.56	22	268	12.8	< 10	< 1	0.03	< 10
1096774	< 5	< 0.2	< 0.5	174	138	< 1	140	< 2	11	0.32	< 2	< 10	23	< 0.5	< 2	0.79	27	113	6.58	< 10	< 1	0.03	< 10
1096775	5	0.3	< 0.5	223	131	< 1	39	4	17	0.89	2	< 10	97	< 0.5	< 2	0.58	26	13	18.0	< 10	< 1	0.21	< 10
1096776	6	0.2	< 0.5	226	95	< 1	43	2	10	0.26	< 2	< 10	< 10	< 0.5	< 2	0.40	19	11	19.3	< 10	< 1	0.01	< 10
1096777	< 5	0.3	< 0.5	717	121	< 1	269	6	12	0.66	< 2	< 10	25	< 0.5	< 2	0.46	58	25	14.8	< 10	< 1	0.19	< 10
1096778	< 5	< 0.2	< 0.5	65	443	< 1	82	< 2	29	2.77	< 2	< 10	27	< 0.5	< 2	1.35	24	124	4.94	< 10	< 1	0.18	< 10
1096779	< 5	0.2	< 0.5	175	192	< 1	113	2	13	0.86	< 2	< 10	27	< 0.5	< 2	0.83	21	403	7.41	< 10	< 1	0.17	< 10
1096780	2940	10.7	5.7	81	446	5	29	391	754	1.33	4050	< 10	36	< 0.5	< 2	2.56	13	28	7.97	< 10	< 1	0.24	12
1096781	< 5	< 0.2	< 0.5	274	206	< 1	131	3	16	1.21	4	< 10	26	< 0.5	< 2	0.70	27	371	10.6	< 10	< 1	0.17	< 10
1096782	< 5	0.3	< 0.5	532	378	< 1	186	6	27	1.73	< 2	< 10	11	< 0.5	< 2	0.70	43	104	10.7	< 10	1	0.04	< 10
1096783	< 5	0.2	< 0.5	452	274	< 1	171	3	27	1.59	< 2	< 10	36	< 0.5	< 2	1.19	48	163	4.52	< 10	< 1	0.27	< 10
1096784	< 5	< 0.2	< 0.5	76	341	< 1	89	< 2	23	1.87	< 2	< 10	31	< 0.5	< 2	1.59	24	134	3.14	< 10	< 1	0.17	< 10
1096785	< 5	< 0.2	< 0.5	51	330	< 1	75	< 2	11	1.93	< 2	< 10	14	< 0.5	< 2	1.81	20	129	2.93	< 10	< 1	0.09	< 10
1096786	< 5	< 0.2	< 0.5	75	359	< 1	93	< 2	17	2.19	< 2	< 10	91	< 0.5	< 2	1.15	25	144	3.40	< 10	< 1	0.62	< 10
1096787	6	< 0.2	< 0.5	123	389	< 1	84	< 2	27	2.29	< 2	< 10	92	< 0.5	< 2	1.76	23	154	3.25	< 10	< 1	0.51	< 10
1096788	< 5	< 0.2	< 0.5	94	424	< 1	47	< 2	24	3.16	< 2	< 10	102	< 0.5	< 2	3.37	17	119	2.85	< 10	< 1	0.24	< 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
1096616	2.05	0.329	0.023	0.03	< 2	13	23	0.13	< 20	4	< 2	< 10	89	< 10	6	2
1096617	0.44	0.058	0.069	0.81	8	2	12	0.03	< 20	< 1	< 2	< 10	23	< 10	3	7
1096618	2.42	0.177	0.019	< 0.01	< 2	10	8	0.12	< 20	< 1	< 2	< 10	78	< 10	4	2
1096619	1.54	0.157	0.051	1.00	5	5	44	0.08	< 20	< 1	< 2	< 10	48	< 10	4	6
1096620	0.45	0.101	0.033	0.09	2	4	45	0.11	< 20	1	< 2	< 10	31	< 10	9	7
1096621	0.55	0.138	0.015	0.75	< 2	1	18	0.08	< 20	2	< 2	< 10	13	< 10	1	25
1096622	0.37	0.195	0.032	0.15	< 2	1	26	0.13	< 20	2	< 2	< 10	15	< 10	2	29
1096623	0.36	0.166	0.034	0.07	< 2	1	21	0.12	< 20	< 1	< 2	< 10	16	< 10	2	29
1096624	0.71	0.039	0.307	1.56	5	< 1	7	0.02	< 20	< 1	< 2	< 10	40	< 10	9	6
1096625	1.83	0.159	0.079	0.17	< 2	8	10	0.12	< 20	< 1	< 2	< 10	69	< 10	5	3
1096626	1.70	0.380	0.037	0.07	< 2	15	39	0.18	< 20	< 1	< 2	< 10	117	< 10	9	3
1096627	1.79	0.311	0.037	0.09	< 2	15	19	0.19	< 20	< 1	< 2	< 10	123	< 10	9	4
1096628	1.77	0.273	0.038	0.58	< 2	13	14	0.16	< 20	< 1	< 2	< 10	120	< 10	9	3
1096629	2.48	0.195	0.032	0.30	3	13	8	0.17	< 20	4	< 2	< 10	126	< 10	8	3
1096630																
1096631	1.43	0.266	0.036	0.12	< 2	14	28	0.27	< 20	3	< 2	< 10	116	< 10	9	2
1096632	1.70	0.344	0.035	0.10	< 2	15	31	0.24	< 20	2	< 2	< 10	121	< 10	10	2
1096633	1.54	0.353	0.038	0.10	< 2	15	38	0.26	< 20	< 1	< 2	< 10	125	< 10	11	2
1096634	1.78	0.294	0.040	0.20	< 2	13	36	0.22	< 20	< 1	< 2	< 10	120	< 10	8	2
1096635	1.97	0.210	0.040	0.60	4	10	14	0.12	< 20	< 1	< 2	< 10	122	< 10	6	4
1096636	1.42	0.189	0.041	2.06	6	8	14	0.12	< 20	< 1	< 2	< 10	96	< 10	6	5
1096637	2.26	0.243	0.045	0.78	3	11	15	0.13	< 20	< 1	< 2	< 10	112	< 10	7	3
1096638	2.86	0.233	0.029	0.55	< 2	12	14	0.17	< 20	< 1	< 2	< 10	119	< 10	7	3
1096639	2.81	0.239	0.035	0.34	2	13	11	0.14	< 20	< 1	< 2	< 10	119	< 10	8	3
1096640	0.54	0.118	0.039	0.10	< 2	4	53	0.13	< 20	2	< 2	< 10	37	< 10	11	8
1096641	2.35	0.247	0.040	0.57	2	11	8	0.12	< 20	< 1	< 2	< 10	110	< 10	7	3
1096642	2.77	0.247	0.042	0.63	3	12	8	0.13	< 20	< 1	< 2	< 10	132	< 10	8	3
1096643	3.12	0.260	0.043	0.40	2	14	8	0.18	< 20	< 1	< 2	< 10	137	< 10	8	2
1096644	2.82	0.265	0.034	0.21	2	13	8	0.17	< 20	< 1	2	< 10	127	< 10	8	2
1096645	2.88	0.267	0.035	0.23	< 2	14	8	0.18	< 20	1	< 2	< 10	129	< 10	8	2
1096646	2.71	0.264	0.040	0.10	3	14	10	0.20	< 20	< 1	< 2	< 10	132	< 10	8	2
1096647	2.45	0.260	0.037	0.19	4	13	10	0.19	< 20	< 1	< 2	< 10	125	< 10	8	2
1096648	3.08	0.256	0.033	0.35	< 2	15	8	0.22	< 20	< 1	< 2	< 10	141	< 10	8	3
1096649	2.97	0.308	0.033	0.30	4	15	8	0.20	< 20	< 1	< 2	< 10	146	< 10	8	3
1096650	0.46	0.083	0.040	0.04	< 2	4	50	0.12	< 20	2	< 2	< 10	28	< 10	11	6
1096651	2.35	0.267	0.091	0.87	3	13	11	0.16	< 20	< 1	< 2	< 10	144	< 10	8	4
1096652	2.53	0.237	0.044	0.42	3	11	17	0.21	< 20	2	< 2	< 10	131	< 10	7	3
1096653	0.91	0.131	0.045	0.76	8	5	28	0.08	< 20	< 1	< 2	< 10	67	< 10	4	5
1096654	1.89	0.279	0.043	0.36	3	12	11	0.15	< 20	< 1	< 2	< 10	126	< 10	7	3
1096655	2.22	0.266	0.042	0.55	4	13	10	0.18	< 20	< 1	< 2	< 10	141	< 10	8	3
1096656	2.64	0.257	0.039	0.29	3	13	8	0.20	< 20	< 1	< 2	< 10	148	< 10	7	3
1096657	2.64	0.243	0.038	0.28	2	13	7	0.21	< 20	< 1	< 2	< 10	135	< 10	7	3
1096658	2.07	0.215	0.043	0.36	5	10	9	0.15	< 20	3	< 2	< 10	136	< 10	6	4
1096659	2.27	0.311	0.041	0.23	2	13	12	0.19	< 20	< 1	< 2	< 10	145	< 10	8	3
1096660	0.81	0.030	0.054	1.10	7	2	146	0.02	< 20	< 1	< 2	< 10	22	19	4	15
1096661	1.60	0.186	0.047	0.41	5	7	16	0.12	< 20	< 1	< 2	< 10	100	< 10	6	5
1096662	1.24	0.219	0.031	0.11	3	8	15	0.16	< 20	< 1	< 2	< 10	72	< 10	5	16
1096663	1.96	0.239	0.053	0.53	5	11	17	0.16	< 20	2	< 2	< 10	117	< 10	7	4
1096664	1.82	0.259	0.055	0.13	< 2	13	47	0.21	< 20	2	< 2	< 10	107	< 10	9	2
1096665	2.45	0.356	0.037	0.30	3	15	13	0.20	< 20	1	< 2	< 10	140	< 10	9	4
1096666	2.34	0.314	0.038	0.32	2	13	12	0.19	< 20	< 1	< 2	< 10	132	< 10	8	4

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
1096667	2.33	0.329	0.064	0.10	2	14	20	0.19	<20	3	<2	<10	128	<10	9	4
1096668	2.67	0.322	0.041	0.08	<2	14	12	0.18	<20	<1	<2	<10	138	<10	9	3
1096669	2.89	0.313	0.038	0.08	2	15	11	0.19	<20	<1	<2	<10	138	<10	9	3
1096670	0.46	0.082	0.040	0.04	<2	4	50	0.12	<20	2	<2	<10	28	<10	11	6
1096671	2.88	0.320	0.039	0.06	3	15	11	0.18	<20	<1	2	<10	139	<10	9	3
1096672	2.62	0.352	0.044	0.13	4	15	12	0.17	<20	<1	<2	<10	134	<10	9	3
1096673	2.31	0.284	0.059	0.55	2	12	13	0.13	<20	<1	<2	<10	119	<10	8	4
1096674	2.73	0.325	0.044	0.46	3	15	15	0.16	<20	<1	<2	<10	136	<10	9	4
1096675	2.84	0.248	0.040	0.42	5	13	11	0.19	<20	3	<2	<10	139	<10	8	4
1096676	2.05	0.289	0.047	0.42	2	12	18	0.19	<20	2	<2	<10	115	<10	8	13
1096677	1.57	0.198	0.052	0.17	<2	9	32	0.16	<20	2	<2	<10	90	<10	6	9
1096678	2.37	0.339	0.035	0.10	3	17	31	0.24	<20	<1	<2	<10	143	<10	11	3
1096679	1.94	0.213	0.041	0.15	4	10	23	0.20	<20	<1	<2	<10	101	<10	8	4
1096680	0.86	0.025	0.051	2.64	7	2	107	0.02	<20	<1	<2	<10	17	24	3	21
1096681	2.19	0.352	0.051	0.62	4	14	22	0.16	<20	4	<2	<10	136	<10	9	4
1096682	1.45	0.216	0.049	0.57	3	9	18	0.12	<20	<1	<2	<10	109	<10	7	4
1096683	1.07	0.198	0.051	0.98	5	6	30	0.09	<20	<1	<2	<10	86	<10	6	4
1096684	1.92	0.333	0.042	0.28	3	13	14	0.14	<20	<1	<2	<10	130	<10	8	3
1096685	2.06	0.334	0.035	0.15	<2	14	10	0.15	<20	<1	3	<10	122	<10	8	2
1096686	2.27	0.402	0.041	0.26	3	16	17	0.14	<20	<1	<2	<10	150	<10	10	3
1096687	2.17	0.288	0.038	0.26	<2	12	10	0.15	<20	2	2	<10	119	<10	8	2
1096688	2.07	0.288	0.034	0.34	<2	13	7	0.17	<20	3	<2	<10	112	<10	8	2
1096689	1.88	0.303	0.035	0.29	3	13	7	0.16	<20	<1	<2	<10	112	<10	8	2
1096690	0.40	0.072	0.035	0.04	<2	3	46	0.10	<20	<1	<2	<10	24	<10	10	6
1096691	2.13	0.320	0.033	0.28	2	14	8	0.17	<20	<1	<2	<10	120	<10	8	2
1096692	2.35	0.281	0.038	0.32	3	14	7	0.19	<20	1	<2	<10	131	<10	8	2
1096693	1.79	0.222	0.052	0.68	3	10	24	0.16	<20	<1	<2	<10	109	<10	7	3
1096694	1.86	0.281	0.044	0.27	<2	12	8	0.14	<20	3	<2	<10	137	<10	7	3
1096695	1.50	0.265	0.059	0.62	2	10	14	0.10	<20	<1	<2	<10	107	<10	7	3
1096696	1.79	0.241	0.045	0.36	3	10	13	0.14	<20	5	<2	<10	117	<10	6	3
1096697	1.37	0.215	0.048	0.34	5	9	20	0.13	<20	<1	<2	<10	110	<10	6	4
1096698	0.90	0.118	0.046	0.22	7	7	9	0.09	<20	<1	<2	<10	110	<10	5	5
1096699	2.01	0.302	0.039	0.25	<2	13	11	0.15	<20	<1	<2	<10	130	<10	7	3
1096700	0.50	0.110	0.036	0.10	4	4	49	0.12	<20	<1	<2	<10	34	<10	10	7
1096701	1.84	0.287	0.052	0.47	3	12	13	0.13	<20	1	<2	<10	119	<10	7	3
1096702	2.46	0.342	0.045	0.17	<2	15	11	0.18	<20	<1	<2	<10	130	<10	9	2
1096703	2.11	0.291	0.039	0.20	3	13	14	0.17	<20	<1	<2	<10	117	<10	8	2
1096704	2.52	0.286	0.039	0.14	3	13	15	0.19	<20	5	<2	<10	120	<10	8	2
1096705	2.18	0.263	0.038	0.47	3	11	11	0.12	<20	<1	<2	<10	108	<10	7	3
1096706	2.07	0.174	0.057	0.94	3	9	12	0.13	<20	2	<2	<10	110	<10	7	3
1096707	2.22	0.265	0.033	0.42	<2	12	8	0.16	<20	1	<2	<10	110	<10	7	2
1096708	2.21	0.313	0.034	0.26	<2	13	8	0.17	<20	2	<2	<10	117	<10	8	2
1096709	2.11	0.331	0.043	0.28	<2	13	7	0.15	<20	2	<2	<10	126	<10	8	2
1096710																
1096711	2.23	0.275	0.036	0.27	2	13	12	0.17	<20	<1	<2	<10	126	<10	7	3
1096712	2.76	0.186	0.034	0.31	5	11	8	0.16	<20	<1	<2	<10	141	<10	6	3
1096713	2.63	0.218	0.041	0.37	4	12	10	0.12	<20	<1	<2	<10	137	<10	8	3
1096714	1.92	0.225	0.043	0.28	4	11	20	0.14	<20	<1	<2	<10	122	<10	6	3
1096715	2.68	0.205	0.040	0.42	3	11	15	0.15	<20	<1	<2	<10	142	<10	7	3
1096716	2.04	0.262	0.037	0.27	3	14	28	0.17	<20	2	<2	<10	135	<10	7	2
1096717	2.78	0.167	0.033	0.32	6	11	11	0.14	<20	<1	<2	<10	141	<10	6	3

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
1096718	2.73	0.198	0.037	0.38	3	12	12	0.15	<20	<1	<2	<10	129	<10	7	3
1096719	2.69	0.227	0.039	0.35	4	11	9	0.16	<20	<1	<2	<10	137	<10	7	3
1096720	0.84	0.029	0.056	1.08	6	2	147	0.02	<20	<1	<2	<10	23	18	4	16
1096721	2.16	0.223	0.067	0.48	3	11	21	0.17	<20	<1	<2	<10	156	<10	7	3
1096722	2.51	0.191	0.031	0.81	3	11	25	0.26	<20	1	<2	<10	140	<10	6	3
1096723	1.06	0.122	0.044	0.61	5	5	19	0.13	<20	2	<2	<10	87	<10	5	4
1096724	1.36	0.230	0.039	0.37	<2	11	32	0.24	<20	<1	<2	<10	100	<10	7	2
1096725	1.48	0.254	0.042	0.36	<2	12	35	0.25	<20	3	<2	<10	107	<10	8	3
1096726	1.66	0.233	0.032	0.21	<2	12	35	0.21	<20	2	<2	<10	103	<10	7	6
1096727	1.37	0.216	0.047	0.29	5	9	28	0.15	<20	<1	<2	<10	127	<10	6	4
1096728	1.63	0.258	0.042	0.12	3	11	34	0.16	<20	<1	<2	<10	116	<10	6	2
1096729	1.70	0.297	0.032	0.15	3	13	88	0.21	<20	3	<2	<10	113	<10	7	3
1096730	1.26	0.109	0.050	0.10	319	6	25	0.14	<20	3	<2	<10	69	<10	10	27
1096731	1.80	0.230	0.032	0.05	<2	12	59	0.22	<20	2	<2	<10	108	<10	7	3
1096732	2.00	0.297	0.036	0.05	<2	15	53	0.23	<20	2	<2	<10	124	<10	9	2
1096733	1.78	0.242	0.035	0.12	3	11	54	0.23	<20	2	<2	<10	109	<10	7	2
1096734	1.85	0.262	0.043	0.11	<2	11	53	0.21	<20	4	<2	<10	118	<10	8	3
1096735	1.75	0.188	0.039	0.11	<2	9	92	0.27	<20	<1	<2	<10	94	<10	7	3
1096736	2.10	0.227	0.037	0.13	3	11	63	0.27	<20	2	<2	<10	121	<10	7	3
1096737	0.23	0.068	0.030	<0.01	<2	<1	61	0.09	<20	2	<2	<10	9	<10	2	24
1096738	0.24	0.074	0.030	<0.01	<2	<1	76	0.11	<20	<1	<2	<10	13	<10	2	27
1096739	0.24	0.067	0.032	0.02	<2	<1	76	0.12	<20	2	<2	<10	12	<10	2	23
1096740	0.87	0.024	0.050	2.63	8	2	109	0.02	<20	<1	<2	<10	18	24	3	22
1096741	0.24	0.076	0.030	0.01	<2	<1	73	0.11	<20	<1	<2	<10	12	<10	2	24
1096742	1.58	0.211	0.020	0.03	<2	10	14	0.13	<20	<1	<2	<10	73	<10	4	3
1096743	1.62	0.202	0.020	0.10	<2	10	15	0.13	<20	2	<2	<10	71	<10	4	3
1096744	2.11	0.170	0.021	0.03	<2	9	10	0.11	<20	3	<2	<10	69	<10	4	3
1096745	0.16	0.014	0.079	0.90	12	<1	1	<0.01	<20	3	<2	<10	9	<10	2	7
1096746	1.73	0.036	0.054	0.38	7	2	2	0.09	<20	<1	<2	<10	49	<10	2	6
1096747	2.78	0.047	0.071	2.17	4	3	1	0.06	<20	<1	<2	<10	52	<10	4	7
1096748	4.69	0.047	0.042	1.08	4	5	1	0.04	<20	<1	<2	<10	78	<10	2	5
1096749	0.58	0.031	0.064	5.12	3	<1	2	<0.01	<20	3	<2	<10	10	<10	1	5
1096750	0.07	3.10	0.001	<0.01	<2	<1	19	<0.01	<20	<1	3	<10	<1	<10	3	<1
1096751	2.78	0.146	0.020	0.06	<2	8	5	0.10	<20	<1	<2	<10	70	<10	4	2
1096752	1.72	0.124	0.021	<0.01	<2	7	5	0.10	<20	<1	<2	<10	55	<10	3	2
1096753	1.72	0.163	0.023	<0.01	<2	10	7	0.12	<20	<1	<2	<10	75	<10	4	2
1096754	1.35	0.229	0.023	0.01	<2	10	22	0.11	<20	<1	<2	<10	64	<10	4	2
1096755	1.69	0.321	0.022	0.01	<2	13	36	0.12	<20	2	<2	<10	84	<10	5	2
1096756	1.59	0.233	0.021	<0.01	<2	11	10	0.12	<20	1	<2	<10	75	<10	4	2
1096757	1.76	0.207	0.020	<0.01	<2	11	12	0.12	<20	4	<2	<10	77	<10	4	2
1096758	2.61	0.110	0.015	0.01	<2	7	3	0.15	<20	<1	<2	<10	71	<10	3	2
1096759	0.27	0.028	0.043	0.78	8	<1	7	0.01	<20	<1	<2	<10	16	13	4	6
1096760	0.47	0.109	0.033	0.09	4	4	48	0.11	<20	<1	<2	<10	32	<10	10	6
1096761	0.17	0.012	0.078	0.93	11	<1	2	<0.01	<20	<1	<2	<10	8	<10	2	8
1096762	1.57	0.080	0.079	3.37	4	3	3	0.08	<20	<1	<2	<10	57	<10	4	5
1096763	1.82	0.136	0.054	1.49	6	5	5	0.08	<20	<1	<2	<10	51	<10	4	5
1096764	0.62	0.058	0.067	2.10	7	<1	3	0.03	<20	<1	<2	<10	23	<10	3	9
1096765	0.63	0.060	0.067	2.09	5	<1	3	0.03	<20	<1	<2	<10	23	<10	4	9
1096766	0.58	0.050	0.063	1.43	6	<1	3	0.02	<20	<1	<2	<10	21	<10	3	7
1096767	0.65	0.053	0.110	0.72	4	<1	3	0.01	<20	<1	<2	<10	16	<10	4	7
1096768	0.55	0.040	0.023	0.64	6	<1	2	0.02	<20	<1	<2	<10	28	<10	1	4

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
1096769	0.73	0.060	0.091	0.85	5	< 1	3	0.01	< 20	< 1	< 2	< 10	18	< 10	3	6
1096770	2.25	0.332	0.152	0.87	3	4	93	0.12	< 20	< 1	< 2	< 10	46	< 10	12	4
1096771	0.37	0.029	0.104	1.37	7	< 1	3	0.01	< 20	< 1	< 2	< 10	11	< 10	4	8
1096772	0.54	0.046	0.094	0.57	4	< 1	3	0.02	< 20	< 1	< 2	< 10	9	< 10	3	6
1096773	0.47	0.040	0.055	0.62	7	< 1	2	0.02	< 20	1	< 2	< 10	46	< 10	2	6
1096774	0.75	0.048	0.045	0.36	2	< 1	2	0.03	< 20	< 1	< 2	< 10	24	< 10	3	5
1096775	0.76	0.056	0.073	0.31	8	< 1	3	0.03	< 20	< 1	< 2	< 10	13	< 10	3	10
1096776	0.29	0.031	0.073	0.31	8	< 1	2	0.01	< 20	< 1	< 2	< 10	10	< 10	3	6
1096777	0.64	0.049	0.035	1.34	6	1	2	0.04	< 20	< 1	< 2	< 10	38	< 10	3	6
1096778	2.85	0.137	0.019	0.17	2	8	10	0.14	< 20	< 1	< 2	< 10	75	< 10	4	3
1096779	1.15	0.078	0.013	0.34	4	4	4	0.08	< 20	1	< 2	< 10	61	< 10	2	3
1096780	0.81	0.029	0.053	1.08	6	2	145	0.02	< 20	< 1	< 2	< 10	22	18	4	15
1096781	1.34	0.081	0.014	0.61	6	4	3	0.09	< 20	2	< 2	< 10	81	< 10	2	4
1096782	2.08	0.062	0.007	0.90	6	4	3	0.12	< 20	< 1	< 2	< 10	72	< 10	3	5
1096783	1.84	0.135	0.024	1.18	< 2	7	7	0.11	< 20	4	< 2	< 10	63	< 10	3	2
1096784	2.07	0.201	0.020	0.03	< 2	10	8	0.12	< 20	< 1	< 2	< 10	73	< 10	4	2
1096785	2.02	0.208	0.023	0.01	< 2	10	18	0.12	< 20	< 1	< 2	< 10	75	< 10	4	2
1096786	2.46	0.150	0.022	0.02	< 2	8	6	0.15	< 20	< 1	< 2	< 10	76	< 10	3	2
1096787	2.20	0.216	0.021	0.02	< 2	10	20	0.15	< 20	< 1	< 2	< 10	81	< 10	4	2
1096788	1.55	0.338	0.023	0.02	< 2	11	79	0.17	< 20	< 1	< 2	< 10	78	< 10	5	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	67	1030	1	25	102	124	6.78	218	< 10	863	0.8	< 2	0.14	14	79	5.27	20	< 1	1.10	11
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	1060	2	25	101	127	6.96	213	< 10	885	0.9	< 2	0.14	14	80	5.43	20	2	1.12	11
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	0.6	2270	778	< 1	36	68	265	2.80	8		87	0.7	7	0.41	21	46	5.02	< 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		1.5	< 0.5	2270	783	< 1	37	62	261	2.80	5		89	0.7	6	0.42	20	47	5.04	< 10		0.48	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		2.5	< 0.5	4370	874	< 1	35	87	349	2.84	6		69	0.7	24	0.42	22	43	5.84	< 10		0.39	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	4460	874	< 1	33	84	347	2.86	6		70	0.7	24	0.42	22	44	5.84	< 10		0.41	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 96 (Aqua Regia) Meas		10.3		> 10000				93	415						71		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 96 (Aqua Regia) Meas		10.3		> 10000				93	411						79		45						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		68.7	294	3620	533	13	25	> 5000	> 10000	1.71	73			0.5	< 2	1.49	30	29	3.38	< 10	3	0.37	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		67.0	289	3560	533	13	26	> 5000	> 10000	1.70	73			0.6	< 2	1.57	30	31	3.34	< 10	3	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 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	2970																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3070																						
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	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2910																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	2930																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	511																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	494																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	510																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	517																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	490																						
Oreas E1336 (Fire Assay) Cert	510																						
1096624 Orig	8																						
1096624 Dup	7																						
1096628 Orig		< 0.2	< 0.5	172	647	< 1	71	< 2	64	2.53	< 2	< 10	25	< 0.5	< 2	2.42	25	99	7.93	< 10	< 1	0.10	< 10
1096628 Dup		< 0.2	< 0.5	161	616	< 1	65	< 2	63	2.37	< 2	< 10	23	< 0.5	< 2	2.30	23	95	7.48	< 10	< 1	0.09	< 10
1096629 Orig	7																						
1096629 Dup	7																						
1096634 Orig	7																						
1096634 Dup	7																						
1096638 Orig	6																						
1096638 Dup	5																						
1096642 Orig		< 0.2	< 0.5	145	658	< 1	80	< 2	72	3.25	< 2	< 10	39	< 0.5	< 2	1.89	28	109	8.59	< 10	< 1	0.17	< 10
1096642 Dup		< 0.2	< 0.5	146	635	< 1	83	< 2	72	3.15	2	< 10	39	< 0.5	< 2	1.80	27	108	8.48	< 10	< 1	0.17	< 10
1096655 Orig		< 0.2	< 0.5	138	597	< 1	78	< 2	62	2.43	< 2	< 10	114	< 0.5	< 2	1.73	28	114	9.27	< 10	2	0.66	< 10
1096655 Dup		< 0.2	< 0.5	147	623	< 1	83	< 2	65	2.59	< 2	< 10	121	< 0.5	< 2	1.82	29	119	9.80	< 10	< 1	0.69	< 10
1096659 Orig	7																						
1096659 Dup	8																						
1096665 Orig	5	< 0.2	< 0.5	127	817	2	83	< 2	55	2.93	< 2	< 10	20	< 0.5	< 2	2.61	29	116	7.20	< 10	1	0.13	< 10
1096665 Split PREP DUP	5	< 0.2	< 0.5	209	691	< 1	79	< 2	56	2.72	< 2	< 10	33	< 0.5	< 2	2.46	27	106	6.46	< 10	1	0.16	< 10
1096668 Orig	< 5	< 0.2	< 0.5	73	706	< 1	81	< 2	59	3.01	< 2	< 10	30	< 0.5	< 2	2.19	27	111	6.85	< 10	1	0.17	< 10
1096668 Dup	< 5	< 0.2	< 0.5	73	720	< 1	83	< 2	60	3.10	< 2	< 10	31	< 0.5	< 2	2.26	28	114	6.97	< 10	< 1	0.17	< 10
1096672 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
1096672 Dup	5																						
1096691 Orig		< 0.2	0.5	94	725	< 1	77	11	73	2.46	< 2	< 10	45	< 0.5	< 2	2.29	27	98	5.48	< 10	< 1	0.21	< 10
1096691 Dup		< 0.2	< 0.5	97	730	< 1	78	15	73	2.48	< 2	< 10	46	< 0.5	< 2	2.30	27	99	5.53	< 10	< 1	0.21	< 10
1096693 Orig	< 5																						
1096693 Dup	< 5																						
1096703 Orig	< 5																						
1096703 Dup	< 5																						
1096705 Orig		< 0.2	< 0.5	119	623	< 1	74	23	130	2.78	< 2	< 10	36	< 0.5	< 2	2.01	25	92	7.45	< 10	< 1	0.14	< 10
1096705 Dup		< 0.2	< 0.5	120	608	< 1	74	22	130	2.69	< 2	< 10	35	< 0.5	< 2	1.93	25	92	7.37	< 10	< 1	0.14	< 10
1096707 Orig	< 5																						
1096707 Dup	< 5																						
1096715 Orig	< 5	< 0.2	< 0.5	117	614	< 1	79	< 2	66	3.16	< 2	< 10	< 10	< 0.5	< 2	1.72	24	112	8.52	< 10	2	0.05	< 10
1096715 Split PREP DUP	< 5	< 0.2	< 0.5	135	616	< 1	79	< 2	65	3.08	< 2	< 10	< 10	< 0.5	< 2	1.85	24	111	8.27	< 10	1	0.05	< 10
1096717 Orig		< 0.2	< 0.5	108	692	< 1	79	< 2	83	3.18	< 2	< 10	< 10	< 0.5	< 2	1.45	28	123	10.8	< 10	< 1	0.04	< 10
1096717 Dup		< 0.2	< 0.5	107	706	< 1	82	< 2	85	3.31	< 2	< 10	< 10	< 0.5	< 2	1.50	30	124	11.0	< 10	< 1	0.04	< 10
1096727 Orig	< 5																						
1096727 Dup	< 5																						
1096731 Orig		< 0.2	< 0.5	87	708	< 1	61	< 2	57	2.24	< 2	< 10	16	< 0.5	< 2	2.18	23	95	5.03	< 10	< 1	0.11	< 10
1096731 Dup		< 0.2	< 0.5	85	704	< 1	60	< 2	57	2.18	< 2	< 10	17	< 0.5	< 2	2.15	22	94	4.96	< 10	< 1	0.11	< 10
1096737 Orig	< 5																						
1096737 Dup	< 5																						
1096741 Orig	< 5																						
1096741 Dup	< 5																						
1096747 Orig		0.3	< 0.5	774	301	< 1	211	< 2	39	2.20	3	< 10	19	< 0.5	< 2	0.58	57	99	10.1	< 10	1	0.11	< 10
1096747 Dup		0.3	< 0.5	759	300	< 1	212	4	40	2.21	< 2	< 10	18	< 0.5	< 2	0.58	55	99	10.1	< 10	< 1	0.11	< 10
1096758 Orig	< 5																						
1096758 Dup	< 5																						
1096761 Orig		0.4	< 0.5	325	176	< 1	57	< 2	16	0.07	9	< 10	< 10	< 0.5	3	0.32	22	5	27.8	< 10	< 1	< 0.01	< 10
1096761 Dup		0.4	< 0.5	338	182	< 1	59	< 2	16	0.08	6	< 10	< 10	< 0.5	4	0.33	23	5	29.0	< 10	< 1	< 0.01	< 10
1096762 Orig	10																						
1096762 Dup	11																						
1096766 Orig	< 5	0.3	< 0.5	609	139	< 1	224	5	32	0.29	< 2	< 10	13	< 0.5	< 2	0.77	51	117	11.9	< 10	2	0.01	< 10
1096766 Split PREP DUP	< 5	0.3	< 0.5	600	136	< 1	222	7	33	0.28	< 2	< 10	13	< 0.5	< 2	0.75	52	114	11.7	< 10	< 1	0.01	< 10
1096771 Orig	< 5																						
1096771 Dup	< 5																						
1096773 Orig		< 0.2	< 0.5	274	124	< 1	116	4	8	0.25	< 2	< 10	33	< 0.5	< 2	0.56	22	263	12.7	< 10	1	0.03	< 10
1096773 Dup		0.2	< 0.5	284	126	< 1	118	4	8	0.25	< 2	< 10	33	< 0.5	< 2	0.56	23	272	13.0	< 10	< 1	0.03	< 10
1096787 Orig		< 0.2	< 0.5	122	393	< 1	84	< 2	27	2.29	< 2	< 10	91	< 0.5	< 2	1.76	23	154	3.26	< 10	< 1	0.51	< 10
1096787 Dup		< 0.2	< 0.5	123	386	< 1	83	< 2	26	2.28	< 2	< 10	92	< 0.5	< 2	1.76	23	153	3.24	< 10	< 1	0.51	< 10
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	< 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		< 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	0.124	0.034	0.02	5	21	31		< 20	< 1	< 2	< 10	169	< 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	0.39	0.133	0.035	0.01	4	22	32		< 20	< 1	< 2	< 10	172	< 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	
OREAS 922 (AQUA REGIA) Meas	1.32	0.030	0.064	0.39	2	4	17		< 20		< 2	< 10	36	< 10	20	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	1.32	0.032	0.063	0.38	< 2	4	17		< 20		< 2	< 10	36	< 10	21	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 923 (AQUA REGIA) Meas	1.43		0.062	0.71	3	4	15		< 20		< 2	< 10	35	< 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 923 (AQUA REGIA) Meas	1.42		0.061	0.71	6	4	15		< 20		< 2	< 10	36	< 10	19	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				4.09	7											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 96 (Aqua Regia) Meas				4.11	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.43	0.174	0.034	4.56	116	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	0.178	0.034	4.45	118	2	19		< 20		< 2	< 10	13	< 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 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
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OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																

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																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
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OREAS 238 (Fire Assay) Meas																
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Oreas E1336 (Fire Assay) Meas																
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Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
1096624 Orig																
1096624 Dup																
1096628 Orig	1.82	0.279	0.039	0.59	2	13	14	0.17	< 20	< 1	< 2	< 10	123	< 10	9	3
1096628 Dup	1.71	0.267	0.037	0.57	< 2	13	13	0.16	< 20	< 1	< 2	< 10	117	< 10	8	3
1096629 Orig																
1096629 Dup																
1096634 Orig																
1096634 Dup																
1096638 Orig																
1096638 Dup																
1096642 Orig	2.81	0.251	0.042	0.63	4	13	8	0.14	< 20	< 1	< 2	< 10	134	< 10	8	3
1096642 Dup	2.74	0.243	0.042	0.63	3	12	8	0.12	< 20	< 1	< 2	< 10	130	< 10	7	3
1096655 Orig	2.14	0.260	0.041	0.53	3	12	10	0.18	< 20	< 1	< 2	< 10	137	< 10	8	3
1096655 Dup	2.29	0.271	0.043	0.57	4	13	10	0.19	< 20	2	< 2	< 10	145	< 10	8	3
1096659 Orig																
1096659 Dup																
1096665 Orig	2.45	0.356	0.037	0.30	3	15	13	0.20	< 20	1	< 2	< 10	140	< 10	9	4
1096665 Split PREP DUP	2.36	0.243	0.036	0.29	2	12	66	0.25	< 20	2	< 2	< 10	121	< 10	9	5
1096668 Orig	2.65	0.319	0.040	0.08	2	14	12	0.18	< 20	< 1	< 2	< 10	136	< 10	9	4
1096668 Dup	2.70	0.325	0.041	0.08	< 2	15	12	0.18	< 20	1	< 2	< 10	140	< 10	9	3
1096672 Orig																

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
1096672 Dup																
1096691 Orig	2.13	0.318	0.033	0.28	2	14	8	0.17	< 20	< 1	< 2	< 10	120	< 10	8	2
1096691 Dup	2.13	0.321	0.032	0.28	2	14	8	0.17	< 20	4	< 2	< 10	120	< 10	8	2
1096693 Orig																
1096693 Dup																
1096703 Orig																
1096703 Dup																
1096705 Orig	2.21	0.266	0.039	0.47	3	11	11	0.13	< 20	< 1	< 2	< 10	110	< 10	7	3
1096705 Dup	2.15	0.259	0.038	0.46	3	11	10	0.12	< 20	3	< 2	< 10	107	< 10	7	2
1096707 Orig																
1096707 Dup																
1096715 Orig	2.68	0.205	0.040	0.42	3	11	15	0.15	< 20	< 1	< 2	< 10	142	< 10	7	3
1096715 Split PREP DUP	2.60	0.229	0.039	0.41	2	12	15	0.15	< 20	2	< 2	< 10	141	< 10	7	3
1096717 Orig	2.74	0.163	0.033	0.32	6	10	11	0.13	< 20	< 1	< 2	< 10	139	< 10	6	3
1096717 Dup	2.83	0.170	0.033	0.32	6	11	11	0.14	< 20	4	< 2	< 10	143	< 10	6	3
1096727 Orig																
1096727 Dup																
1096731 Orig	1.82	0.230	0.032	0.05	< 2	12	60	0.23	< 20	2	< 2	< 10	110	< 10	7	3
1096731 Dup	1.79	0.230	0.032	0.05	< 2	12	59	0.22	< 20	3	< 2	< 10	106	< 10	7	3
1096737 Orig																
1096737 Dup																
1096741 Orig																
1096741 Dup																
1096747 Orig	2.77	0.048	0.071	2.16	4	3	1	0.06	< 20	< 1	2	< 10	52	< 10	4	7
1096747 Dup	2.78	0.046	0.071	2.18	4	3	1	0.05	< 20	< 1	< 2	< 10	52	< 10	4	7
1096758 Orig																
1096758 Dup																
1096761 Orig	0.17	0.012	0.076	0.90	11	< 1	2	< 0.01	< 20	< 1	< 2	< 10	7	< 10	2	8
1096761 Dup	0.18	0.013	0.079	0.96	11	< 1	2	< 0.01	< 20	< 1	< 2	< 10	8	< 10	2	8
1096762 Orig																
1096762 Dup																
1096766 Orig	0.58	0.050	0.063	1.43	6	< 1	3	0.02	< 20	< 1	< 2	< 10	21	< 10	3	7
1096766 Split PREP DUP	0.56	0.050	0.061	1.43	5	< 1	3	0.02	< 20	< 1	< 2	< 10	18	< 10	3	6
1096771 Orig																
1096771 Dup																
1096773 Orig	0.47	0.040	0.054	0.61	8	< 1	2	0.02	< 20	1	< 2	< 10	45	< 10	2	6
1096773 Dup	0.47	0.039	0.056	0.62	7	< 1	2	0.02	< 20	2	< 2	< 10	46	< 10	2	6
1096787 Orig	2.20	0.217	0.021	0.02	< 2	10	20	0.15	< 20	< 1	< 2	< 10	81	< 10	4	2
1096787 Dup	2.19	0.215	0.021	0.02	< 2	10	20	0.14	< 20	1	< 2	< 10	81	< 10	4	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
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																
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	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



Ardiden Limited

2019-2021 South Limb Aboriginal Consulting Description and Costing

Mishkeegogamang First Nations

November 5, 2019, Organised Meeting (South Limb)

Venue: Mishkeegogamang First Nations Band Offices (Elmer Neetumgeesic, Ken Wavy, Len Wavy, Bella + Husband)

Objective: Daniel Grabiec and Rob Longley (**Ardiden Limited**) attended a meeting at the Mishkeegogamang First Nations Band Offices with Mike MacIsaac and Don Hareema (Metals Creek) to discuss MOU directly with the land users, including Elder Bella and her husband in the South Limb and Dona Lake area. The concern of the Dona Lake area is the lack of biodiversity from the former mining 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. Ardiden has produced maps for drill planning to accompany the exploration permit and MOU with Mishkeegogamang First Nations.

April 9, 2021, Conference Call (South Limb)

Venue: Ardiden Office (Thunder Bay) and Mishkeegogamang First Nations Band Offices (Chief David)

Objective: Angelo Falduzzi (**Ardiden Limited**) conducted a conference call with the Mishkeegogamang First Nations Chief, Lawyer and Community members. Discussions held on commodity of exploration, land users recognition, and the importance to ensure trappers are consulted with. Ardiden to initiate the building of shacks and/or cabins. Chief to inform who the trappers are and to inform of the location to build the shacks. Other items for discussion:

- Traditional Indigenous Knowledge Study (TIK)
- To provide information and maps on the last drilling/trail work undertaken by Ardiden at South Limb

May 4, 2021, Organised Casual Meeting (South Limb)

Venue: Mishkeegogamang First Nations Band Offices (Chief David and Council)

Objective: Angelo Falduzzi (**Ardiden Limited**) requested a meeting with chief and council at the Mishkeegogamang First Nations Band Offices to discuss drill planning at South Limb. Maps produced for meeting as follows:

- South Limb Drilling area indicates trail, completed drill holes location and proposed Drill hole location.



- Eastern Hub Exploration indicates general exploration area and Ardiden tenure and trails to drilling areas.

Quick summary was also provided from 2021 drilling program:

- In January 2021 we completed 6 drill holes for 1285 metres at South Limb. This included a small portion of trail construction and drill pads for the six drill holes.
- Further drilling is planned over the next two years at South Limb, Kas and West Pickle this will include small geophysical programmes and soil sampling to be conducted during winter and summer.

Drilling has highlighted continued mineralisation across all areas with planned drilling to continue to extend these mineralised targets, please review ADV website for all announcements and drilling results. we are currently talking to First Nation drill company (Missinaibi Drilling Services) to conduct drilling over the next two years on our Pickle Lake gold project.

May 23, 2021, Project Update (South Limb)

Venue: Mishkeegogamang First Nations Band Offices (Chief David and Council)

Objective: Angelo Falduzzi (**Ardiden Limited**) sent Mishkeegogamang First Nations Chief an official memo, maps, training programs and planning in relation to previous drilling at South Limb as requested by Chief David.

June 9, 2021, Organised Casual Meeting (South Limb)

Venue: Mishkeegogamang First Nations Band Offices (Chief David and Council)

Objective: Angelo Falduzzi (**Ardiden Limited**) requested a meeting with chief and council at the Mishkeegogamang First Nations Band Offices to discuss MOU and drill planning at South Limb. Maps produced for meeting. Meeting cancelled due to Covid 19 within the community.

June 10, 2021, Organised Casual Meeting (South Limb)

Venue: Mishkeegogamang First Nations Band Offices (Chief David and Council)

Objective: Angelo Falduzzi (**Ardiden Limited**) provided an update to the Mishkeegogamang First Nations lawyer in reference to the scheduled meeting in the following week. Points for discussion at the meeting:

- Provide tentative starting date for South Limb Program
- Provide maps with proposed drill holes and location - (Maps already available)
- Provide information regarding help and supplies to Bella (Trapper) South Limb

Metal creek will provide supplies to Bella, ADV will build access trail to lake for Bella.



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Map of access trail to lake will be provided for South Limb Shack:

- Doug mentioned this is a very constructive combination of work. Doug will inform Chief David on this event and will comment positively