Ontario

We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

ENABLE PROJECT

WORK REPORT OF THE 2022-2023 EXPLORATION PROGRAMS ON THE ENABLE PROJECT, TERRACE BAY AREA, ONTARIO For FIRST CLASS METALS CANADA INC.

NTS Map sheet 42D14
STREY TOWNSHIP

Bruce MacLachlan P. Geo (Limited)
Coleman Robertson, G.I.T.

March 19th, 2023

-TABLE OF CONTENTS-

-APPENDICES-

-MAPS-

Enable Property 2022 Surface Sample Numbers
Enable Property 2022 Surface Samples Au ppb
Enable Property 2022 Track Locations
Enable Property 2022 Winter Tracks and Lake Sediment Samples

-LIST OF FIGURES-

1.0 -SUMMARY-

First Class Metals Canada Inc. acquired the Enable Property in October 2021. The Property is located approximately 4 km north of the town of Terrace Bay, Ontario, with good access via the Longlac Backroad which crosses the Property in a north-south direction (see Figures 1 and 2).

The Property consists of 41 single-cell claims totaling 869 hectares, 100% registered to First Class Metals Canada Inc. (see Figure 3). The claims are situated in the western portion of the Hemlo-Schreiber greenstone belt, covering a portion of a granite-greenstone contact which crosses the property from west-southwest to east-northeast (see Figures 4 and 5).

Four short work programs were completed on the claims by three teams from Emerald Geological Services in 2022: Bruce MacLachlan and Coleman Robertson on May 7th and September 26th, Frederick (Bobby) Lowndes and Doug Kakeeway from May 29th to June 4th, and Bobby Lowndes and Alan Zawadski from March 15th to 17th. A total of 82 grab samples and 6 lake sediment samples were collected.

The programs were successful in identifying several significant gold occurrences. Most significant is a new occurrence returning up to **7040 ppb Au**, located in the north-central part of the property in claim 600825. It consists of folded quartz veinlets with pyrite and galena hosted in silicified diorite with up to 10% disseminated pyrite. Further south in the northern part of claim 600811, closer to the granite contact, up to **2040 ppb Au** was obtained from quartz veins with up to 3% pyrite in hematized granite frost heave / float boulders; and **2040 ppb Au** was also obtained from gossanous mafic rubble in the same area, atop strongly fractured rock which may have been blasted in the past. Further west, in the eastern part of claim 600823, sheared mafic rock (possibly iron formation) returned up to **122 ppb Au**, up to **15.8% Fe** and up to **318 ppm Cu**.

Samples up to **4010 ppm Zn** (sample 697909) and up to **633 ppm Cu** (sample 697920) in another location, suggest the possibility of VMS-style mineralization on the Property.

Trail cutting to the **7 gpt** showing and lake sediment sampling were carried out from March 15th to 17th. Two lake sediment samples were collected in a small pond north of the showing, and four lake sediment samples were collected on Perch Lake, both of which were frozen over. Results are pending.

Further, mapping, soil sampling and mechanical stripping are recommended to locate further mineralization and better understand the geological controls on mineralization.

2.0 -INTRODUCTION-

First Class Metals Canada Inc. acquired the Enable Property in October 2021. The main target mineral is gold. Previous workers in the Property area concluded that the rock types and geological setting were conducive to locating Hemlo-style gold mineralization (Cavey 1983). Further details on the Property and the 2022 work programs are presented below.

2.1 PROPERTY DESCRIPTION, PERMIT, LOCATION AND ACCESS

First Class Metals Canada Inc.'s Enable Project is located north of Lake Superior in northeastern Ontario (see Figure 1). The property is situated approximately 4km north of the town of Terrace Bay and 1km north of the Terrace Bay airport in Strey Township (see Figure 2).

The Enable Property is comprised of 41 cell-claims totaling 869 hectares. See Figure 3.

2.2 CLIMATE, RESOURCES, LOCAL INFRASTRUCTURE AND PHYSIOGRAPHY

The Enable Project is located within the Canadian Shield, which is a major physiographic division of Canada. The property is situated in an area of swamps, small lakes, and moderate to steep hills, with scattered to locally moderate outcrop. Elevation across the project area ranges from 280 to 390 m.

The Property is covered with a thick secondary growth of birch, balsam fir, black spruce, red cedar and some jack pine and poplar. The underbrush can be very dense with intergrowths of maple, alder and hazel.

The Enable Property is situated approximately 4 km north of the town of Terrace Bay, Ontario (population ~1600). Access for the 2022 exploration program was by truck. The property is traversed in a north-south direction by the Longlac Backroad, with several side roads branching off. A power line traverses the Property from west-northwest to east-southeast. The arc-shaped Aguasabon River occupies much of the far western portion of the claims, while a small lake called Perch Lake is present in the far eastern claims (see Figures 2, 3).

Terrace Bay is approximately 160 km east-northeast of Thunder Bay, Ontario, along the Trans-Canada Highway 17. Thunder Bay is serviced by many airlines, with daily flights to major cities in Canada such as Toronto and Winnipeg, allowing easy connections to other Canadian cities and international destinations.

Climate in the area is typical of Northern Ontario, with cold winters and warm summers. Average January minimum temperatures range from -18℃ to -32℃, and average July temperatures are between 24℃ and 32℃. Exploration work can be carried out (subject to snow and freezing) for most of the year. Certain mapping, mechanized stripping, and soil sampling activities are best performed in snow-free conditions, whereas drilling can occur any time of the year.

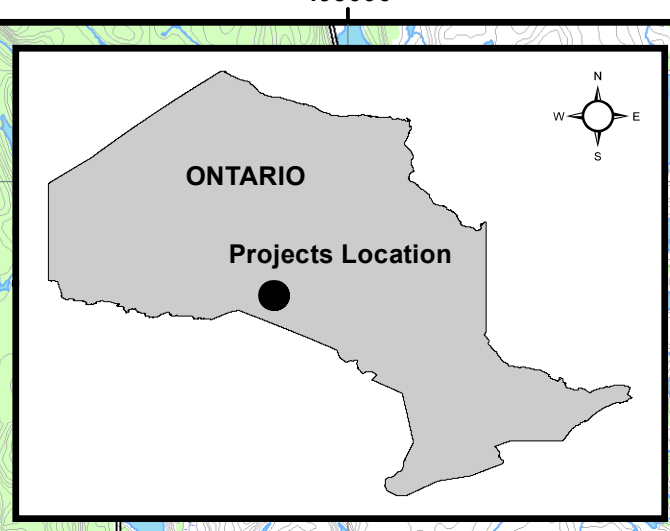
2.3 PERSONNEL

The 2022 Exploration Program was carried out by Frederick (Bobby) Lowndes, Doug Kakeeway, Alan Zawadski, Bruce MacLachlan, and Coleman Robertson of Emerald Geological Services. Serge Tremblay provided drafting support.


Manitoba
Red Lake
Kenora
Dryden
Enable Property
Thunder Bay
Wawa
Timmins
Quebec
Ontario
Sudbury
Ottawa
Toronto
N
0km
300km

480000 485000 490000 495000

5430000 5425000 5420000 5415000 5410000 5405000 5400000



N W E S

COCO PROJECT

ENABLE PROJECT

Shy Lake
Cable Creek
Cable Lake
Big Duck Creek
Sulphur Lake
Big Duck Lake
Big Duck Creek
Big Duck Lake
Harvie Creek
Harvie Lake
Harvie Creek
Harvie Creek
Bobbie Lake
Cameron Lake
Harvie Creek
Cameron Creek
Rockpile Lake
Crosman Creek
Cameron Creek
Crosman Lake
Charlotte Lake
Crosman Creek
Bluff Lake
Guy Lake
Louise Lake
Parsons Lake
Deep Lake
Leader Lake
Lower Lake
Roadside Lake
Found Lake
Craig Lake
Trapper Lake
Lower Lake
Catherine Lake
Robbie Creek
Clear Lake
Rhumly Lake
Aguasabon River
Spoke Lake
Robbie Creek
Robbie Lake
Hub Lake
Fog Lake
Owl Creek
Fog Creek
Sand Lake
Needle Lake
Syenite Creek
Syenite Creek
Maude Lake
Dusty Lake
Ducell Lake
Syenite Lake
Big Duck Creek
Ansell Lake
Davidson Lake
Ansell Lake
Ansell Creek
Fog Creek
Snake Falls
Otisse Lake
Snake Falls
McCuaig Lake
Victoria Lake
Umba Lake
Little Bear Lake
McCuaig Creek
Ellis Lake
Margon Creek
Longworth Lake
Tent Lake
Ashmore Lake
Bews Lake
Margot Creek
McCuaig Creek
Big Bear Lake
Minnow Lake
Glen Lake
Aguasabon River
North Cook Lake
Goose Lake
Rennie Lake
Lizzard Lake
Spectacle Lake
Tug Lake
Cook Lake
Lake A
Walker Lake
Perch Lake
Blackbird Creek
Burnt Island
Hollinger Lake
PRISKE
STREY
SYINE
Stony Creek
Walker Creek
Von Lake
Craft Lake
Ansell Creek
Lake B
Rongie Lake
Stony Creek
Longworth Street
Schreiber
Blind Creek
Ayah Lake
Twain Lake
Hightop Lake
West Pond
Lamont Lake
Big Duck Creek
Blind Creek
Hays Lake
Northington Creek
Hays Lake Road
East Pond
Schreiber Beach
Highway 17
Terrace Bay
Collingwood Bay
Station Road
Aguasabon Falls
Victoria Bay
Victoria Bay
Terrace Bay Island
Bell Island
Aguasabon River
Almos Shoal
Lyda Bay
Blair Island
Rock Island
Douglas Island
Jackfish Channel
Keith Rocks
Chase Rock
Lake Superior

NAD 1983 UTM Zone 16N

First Class Metals

ENABLE & COCO Projects, Ontario

Enable and Coco Projects Location

0 500 1,000 2,000 3,000 4,000 5,000
Meters

Date: 13/03/2023 | Scale = 1:80,000

Legend

Power line

488000 490000 492000 494000

5410000

5408000

5406000

N
W E
S

Minnow Lake

Aguasabon River

600822	600838	600827	600831	600833	600816	600829	600812	600819	600820
600837	600847	600830	600828	600824	600825	600826	600818	600845	600840
600821	600813	600823	600814	600842	600811	600843	600817	600844	600846
600841	600808	600809	600810	600832	600815	600834	600839	600835	600836
600807									

PRISKE

STREY

Highway 17

Perch Lake

Blackbird Creek

Ayah Lake

Twain Lake

Big Duck Creek

Legend

Working Area

Power line

First Class Metals

NAD 1983 UTM Zone 16N

ENABLE Project, Ontario

Claims Number

0 135 270 540 810 1,080 1,350

Meters

Date: 13/03/2023

Scale = 1:20,000

3.0 -GEOLOGY-

3.1 REGIONAL GEOLOGY

The Enable Property is located within the Hemlo-Schreiber greenstone belt within the Wawa Sub-province, a division of the Precambrian Superior Province of the Canadian Shield. The following are relevant excerpts from Lucas and St-Onge (1998):

"The Hemlo and Schreiber greenstone belts along the north shore of Lake Superior are parts of a once contiguous greenstone belt now separated by the Middle Proterozoic Port Coldwell alkaline complex. The Hemlo greenstone belt in the east consists of northern and southern metavolcanic-metasedimentary sequences separated by the Lake Superior-Hemlo Fault, part of a major east-west shear zone that hosts major gold deposits. The belt is bounded on the north by intrusive rocks of the Black Pic and White Lake batholiths, and on the south by the 2719 Ma gneiss of the Pukaskwa complex. The northern supracrustal sequence consists of mafic volcanic rocks with mafic and ultramafic intrusions, and an upper sequence of mafic volcanic rocks with 2772 Ma felsic tuff that are in eastward facies transition with epiclastic sedimentary rocks. The southern sequence is lithologically similar, but the calc-alkaline felsic pyroclastic rocks are 2695 Ma.

Granite intrusions have ages of 2688 to 2644 Ma and 2678 to 2677 Ma. The 2688 to 2684 Ma plutons were emplaced after early thrusting and folding (D_1) and accompanied, or post-dated, the major phase of isoclinal folding and formation of regional penetrative foliation, possibly associated with sinistral shearing (D_2). The younger, 2678 Ma intrusions are tentatively correlated with amphibolite-facies metamorphism and with the early stages of major dextral ductile shearing (D_3), notably along the Lake Superior-Hemlo fault zone. Metamorphic grade and strain state are generally low in the west and increase eastward toward Hemlo.

The rocks and structures of the Schreiber greenstone belt are generally similar to those of the Hemlo greenstone belt. A felsic metavolcanic rock associated with volcanogenic massive sulphide deposits in the north is 2723 Ma. Walker (1967) described a northward increase in metamorphic grade from biotite-, through garnet-, to sillimanite-grade metasedimentary rocks. This gradient is in accord with the regional pattern of greenschist facies and amphibolite facies in the Hemlo and Schreiber belts, upper amphibolite facies in the Manitouwadge greenstone belt, and low-pressure granulite facies in the adjacent Quetico Subprovince (Pirie and Mackasey, 1978)" (p 102).

"The most important examples of volcanogenic massive sulphide deposits in Wawa Subprovince occur in the Manitouwadge and Schreiber areas. These deposits occur along the northern margin of the subprovince where prevailing metamorphic grade is medium to high. They are perhaps the most metamorphosed examples of massive sulphides in Superior Province and are characterized by unusually coarse-grained ores and by an association with cordierite-anthophyllite alteration assemblages commonly containing garnet, and kyanite and sillimanite (James et al., 1978; Morton, 1984). Although the massive sulphide orebodies of the Geco, Willroy, Lunecho, and Big Nama deposits at Manitouwadge were once considered to be of a late tectonic, epigenetic origin, the modern consensus is that they are highly metamorphosed stratiform deposits that owe their epigenetic features to deformation, remobilization, and

reactivation accompanying regional metamorphism of the almandine-amphibolite facies (Suffel et al., 1971).

The Winston Lake and Pick deposits near Schreiber are similar to the Manitouwadge orebodies but are less deformed. Here too, amphibolite-facies metamorphism of hydrothermally altered rocks has resulted in a rich variety of mineral assemblages involving garnet, staurolite, cordierite, and kyanite. This deposit is notable for its exceptional zinc tenor (18%) and the nearby, past-producing, Zenmac high-grade zinc deposit is generally believed to have been a xenolith of a volcanogenic massive sulphide deposit that was rafted into its gabbroic host" (p 107).

3.2 LOCAL AND PROPERTY GEOLOGY

The Enable Property is located in the western part of the Hemlo-Schreiber greenstone belt, 4km north of the town of Terrace Bay.

Carter (1988) describes the geology of the Schreiber-Terrace Bay area as follows:

"*Stratigraphy in this part of the Abitibi Subprovince consists of two volcanic cycles occurring above and below a composite sulphide-facies ironstone marker unit exposed along Highway 17 between Walker Lake and the northwestern end of the Terrace Bay Batholith. Rocks below the ironstone unit in the central part of the area comprise, in order of abundance, an interlayered sequence of subaqueous pillowed mafic flows, pillowed andesitic flows and less abundant massive aphanitic rhyolite. This sequence exceeds about 2000m in thickness, is overlain by about 242m of felsic tuff and lapilli-tuff and is succeeded by about 120m of the sulphide facies ironstone. Along strike, east of the Fourth Lake Fault, an abrupt facies change occurs as all the rocks exposed there, below the ironstone unit, consist almost entirely of fine-grained, massive, structureless, calc-alkalic intermediate pyroclastic rocks exceeding about 3.9km in thickness. This lower metavolcanic unit occurs along the southern margin of the central part of the map-area southwest of Schreiber. The ironstone unit, which is regarded by the author as the top of the lower volcanic cycle, is about 140m thick, and comprises interlayered wacke, mafic tuff and pyrite-chert-graphitic shale ironstone. Above this composite ironstone marker horizon is a sequence of mostly iron-rich, pillowed tholeiitic flows about 5230m thick interlayered with thin units of clastic and chemical metasediments about 60m thick, and andesitic and rhyolitic units varying from about 60m to 600m thick*."

With respect to the lithologies above, the Enable Property occurs in the upper volcanic cycle, with the southeast corner being underlain by the granitic Terrace Bay Batholith.

Several rock types were mapped by project geologists (e.g. Weick 1986). Biotite-hornblende granite, granodiorite and granite porphyry crosscut by veins of syenite and tonalite were mapped in the southern third of the central part of the property. These are in contact with a slightly arcuate sequence of northerly trending metavolcanic and metasedimentary rocks. Metavolcanics to the west were mafic and consisted of massive to deformed pillow basalts. Outcrops to the east were generally more felsic and contained garnetiferous schists along shears, suggestive of a sedimentary origin for at least some of the units. Syenite dykes radiate out from the batholith, cross-cutting metavolcanic units, and diabase dykes crosscut outcrops throughout the property.

Most rocks were metamorphosed to the lower amphibolite facies, increasing towards intrusive contacts.

N

87°W 86°30'W 86°W 85°30'W 85°W 84°30'W

49°15'N 49°N 48°45'N 48°30'N 48°N

Legend

LITHOLOGY (MNDM MRD 126)

Proterozoic
- Alkalic Complex

Archean
- Metasediments
- Intermediate to Felsic Volcanics
- Mafic Volcanic
- Mafic to Ultramafic Intrisives
- Granite

- Producing Gold Mine
- Gold Deposit Prospect
- Other Major Deposit/Prospect
- Other Deposit/Prospect

Geco Zn, Cu, Ag, Au
Willroy
Will-Echo
Manitouwadge
Coco East Property
Superior Lake Cu-Zn
Enable Property
McKellar Property
Generation PGM, Pd-Pt
Schreiber
Terrace Bay
Marathon
Magical Property
North Hemlo Property
Esa Property
Barrick Williams Mine
Sugar Cube Property
Silver Lake Sugar Zone
White River
Dubreuilville
Alamos Island Gold
Argonaut Magino
Mishi/Magnacon
Wesdome Eagle River
Wawa
Red Pine Exploration Wawa Gold

17 101

Lake Superior

0 20 40
Kilometers

First Class Metals Ltd.

FCM Properties Regional Geology

Date: December, 2022

Name: EGS FCM_region_geol2022.mxd

4.0 -EXPLORATION HISTORY-

1983: Rio Blanco Resources Ltd. carried out an exploration program on 18 claims which overlapped with the eastern part of the current Enable Property. Work consisted of geological mapping, prospecting, soil and rock sampling, ground magnetic and VLF-EM surveys, and an airborne VLF-HEM electromagnetic and magnetic survey. 468 B horizon soil samples were collected and analyzed for gold, silver, molybdenum, copper, zinc and arsenic. Zinc and copper anomalies were discovered in mafic volcanics or at volcanic-granite contacts, with one anomaly of **176 ppm Cu** associated with **45 ppm Mo** and **1.3 ppm Ag**. Four molybdenum anomalies were discovered, all close to geological contacts. Arsenic and gold anomalies were erratic and scattered throughout the granitic intrusives (up to **10 ppm As** and **20 ppb Au**), with no obvious explanation. Silver values up to **0.78 ppm** were concentrated in one area of the granites, and anomalies up to **1 ppm** were associated with arsenic anomalies in the southeast corner of the claims. Ground geophysical surveys outlined one strong magnetic anomaly and one strong VLF-EM anomaly. The magnetic anomaly is a magnetic low trending 065 degrees, seemingly correlated with a lineament that occurs in roughly the same position across the property. The strong VLF-EM anomaly trends east-west and occurs in about the same location. The airborne geophysical survey outlined the same anomaly trending east-west across the property, and airborne and ground EM anomalies coincided with each other (Cavey 1984, Hogg 1983[1]).

1983-1985: In 1983, Franklin Resources Ltd. contracted Aerodat Limited to complete an airborne geophysical survey over their 18-claim property north of Terrace Bay which overlapped with the east-central part of the current Enable Property. Electromagnetic anomalies identified by the survey were interpreted to be of cultural origin (a power line traverses the property). The magnetic map indicated banded anomalies striking NW/SE in the northern part of the area, interpreted to be due to mafic volcanic rocks. A larger magnetic anomaly in the southern part of the property was thought to reflect an intrusive beneath a metasedimentary or other non-mafic cover (Hogg 1983[2]). Franklin Resources also conducted a prospecting, mapping and soil sampling survey on the property. The goal was to evaluate the property for similar geology to the Corona gold deposit, i.e. a felsic volcanic – clastic sediment contact. 412 soil samples were collected. Two 'interesting' copper and gold anomalies were discovered which appeared to be spatially associated with the granite-mafic volcanic contact on the property. One sample returned **220 ppb Au** at the south end of the grid. Mapping revealed the presence of an altered felsic tuff on the property, and thus it was concluded that the geological environment had the potential to host mineralization similar to the Corona deposit (Cavey 1983).

In 1985, further mapping, rock sampling and soil sampling were carried out on 15 of the property claims. Only soil sampling results are reported and returned no significant gold values. However, values up to **397 ppb Zn**, **373 ppm Cu** and **55 ppb Mo** were obtained in soil in the northern to northwestern claims (Weick 1986, file 42D14SE0014).

1983-1985: In 1983, Greyhawk Resources Ltd. contracted Aerodat Ltd. to conduct an airborne geophysical survey over their 15-claim property which overlapped with the west-central part of the current Enable Property. Electromagnetic anomalies identified by the survey were interpreted to be of cultural origin (a power line transects the property). Several relatively intense magnetic anomalies were thought to be associated with mafic volcanic rocks (Hogg 1983[3]). In 1985, Greyhawk Resources Ltd. conducted geological mapping and prospecting, a horizontal loop electromagnetic (HLEM) survey and an induced polarization (I.P.) survey on the property. No

significant mineralization was discovered, though most of the area is covered by alluvium. The HLEM survey outlined a wide, weak conductor, and the I.P. survey yielded 'noisy' results over the conductor, as well as resistivity results indicating an increase in overburden thickness. It is therefore not known whether mineralization is present, and it is possible the conductor is an overburden effect (Cavey 1986, FILE 42D14SE0012).

1984: Schreiber Resources Ltd. contracted Aerodat Ltd. to conduct an airborne geophysical survey on their property north of Terrace Bay, which overlapped with the far western end of the current Enable Property. Several electromagnetic conductors were identified, and some were interpreted as bedrock conductor axes. A few possible bedrock conductor axes with flanking or coincident magnetic anomalies were identified in the eastern part of the survey area which overlapped with the current Enable Property (Boustead 1984).

2019: The Ontario Geological Survey made a field visit to the area which is currently the central part of the Enable Property. A grab sample of felsic intrusive returned **1.85 gpt Au** (Perch Lake West Occurrence) (Pettigrew 2020).

5.0 -2022 EXPLORATION PROGRAMS -

5.1 INTRODUCTION

On May 7th, from May 29th – June 4th, and on September 26th, 2022, prospecting programs were carried out on the Enable Property of First Class Metals Canada Inc. Work was carried out by two teams from Emerald Geological Services (EGS): Bruce MacLachlan and Coleman Robertson on May 7th and September 26th, and Frederick (Bobby) Lowndes and Doug Kakeeway from May 29th to June 4th. A trail-cutting and lake sediment sampling program was carried out by Bobby Lowndes and Alan Zawadski from March 15th to 17th. Skidoos or snowshoes were used to access waterbodies and an ice auger was used to drill through the ice. A metal torpedo designed for lake sediment sampling was used to bring up material from the lake bottom.

GPS tracks and sample locations were recorded using a handheld Garmin GPS displaying UTM: NAD 83 Zone 16 metric coordinates. Tracks were downloaded, saved as separate files by date and type (e.g. foot traverse, truck) and plotted on the various Map Sheets. All point data was entered in an Excel database then imported into MapInfo / Discover software.

A total of 82 grab samples were collected for gold and multi-element ICP analysis. Samples collected were individually bagged, labelled and photographed in the field, and a small 'rep' (representative piece) of each sample was collected. Sample descriptions and Points of Interest (any geological or non-geological feature of note) were recorded by notebook in the field and entered into Excel at camp. Rice bags full of samples were shipped to Activation Labs (Actlabs) in Thunder Bay via Ontario Northland's bus service. Gold analysis was by fire assay (FA) and atomic absorption (AA) finish (Actlabs code 1A2-50). Multi-element analysis was by total digestion with inductively-coupled plasma – optical emission spectroscopy (ICP-OES) finish (Actlabs code 1F2-TBay). 'Over-limit' gold analyses (>5000 ppb) were performed using a gravimetric fire assay (FA-GRA) with AA finish.

Coordinates and descriptions of Rock-grab samples, lake sediment samples and points of interest can be located in Tables 1, 2 & 3, Appendices I, III and V respectively. Rock sample assays and Actlabs analytical descriptions are located in Appendices II and IV respectively. A list of Mining Cells-Claims can be located in Table 4, Appendix VI. Program expenditures and expenditures per claim (Table 5) can be found in Appendix VII. Daily logs for the work programs are located in Table 6, Appendix IX. Locations of samples and POIs relative to topography and property boundaries, as well as GPS tracks, can be viewed in Map Sheets, Appendix IX.

5.2 RESULTS

<u>May 7th</u>

2 grab samples (B25512-B25513) were collected at the base of a northeast-trending cliff face in claim 600826. The topography contrasts in this area are thought to result from the granite-greenstone contact which is interpreted to trend east-northeast through this area. Samples were of silicified mafic volcanic with 1-2% pyrite (B25512) and fine-grained grey-green rock with rusty orange-rind that resembled serpentinite (B25513). The former returned **1330 ppm Zn**, the third-

highest value of the program, and the latter returned **336 ppm Cr**, the highest value of the program.

May 29th – June 4th

22 samples (697857, 697867-697873, 697884-697886, 697909-697910, 697921-697929) were collected along a northwest-southeast-trending corridor / slope / valley in the central part of claim 600825, over an approximately 350 by 75 m area. The most significant results were obtained from a cluster of 7 samples (697922-697927, 697873) at the base of a northeast-facing slope. These consisted of silicified diorite with up to 10% disseminated pyrite and folded quartz veinlets containing pyrite and minor galena. These returned from **463** to **7040 ppb Au** (697925), and up to **83.4 ppm Ag** (697925), **127 ppm Bi** (697925), **214 ppm Cu** (697926), **232 ppm Ni** (697928), **2840 ppm Pb** (697925), **43 ppm Te** (697925), **35 ppm W** (697926), & **1350 ppm Zn** (697925). These were the highest Au, Ag, Bi, Ni, Pb & Te results of the program. Other results along the sampled corridor include: **6 ppm Sb** (697857, siliceous felsic volcanic), **2.28% S** (697884, mafic volcanic with 1% pyrite), and **20 ppm Te** & **4010 ppm Zn** (697909, rusty felsic volcanic). This was the highest Zn value of the program.

Sample 697925, ***7040 ppb Au***, ***83.4 ppm Ag***, ***127 ppm Bi***, ***2840 ppm Pb***, ***43 ppm Te***, ***1350 ppm Zn***.

8 samples (697855-679856, 697858, 697911-697914, 697930) were collected in the northern part of claim 600811, close to the granite-greenstone contact. These consisted largely of angular granitic float or frost heave with white quartz veining and up to 3% pyrite. These returned an average of **243 ppb Au** and up to **473 ppb Au** (sample 697856). These also returned up to **10.9 ppm Ag** (697911), **125 ppm Bi** (697911), **77 ppm Mo** (697913), **140 ppm Pb** (697911), and **13 ppm W** (697856). This was the highest Mo value of the program. One sample of rusty mafic float with 10% pyrite returned **<5 ppb Au** and **15 ppm Te** (697914).

*Sample 697913, **161 ppb Au**, **77 ppm Mo**.*

6 samples (697854, 697874-697875, 697906-697908) were collected along a west to southwest-facing hillside in the southern part of claim 600825. These consisted predominantly of sheared mafic volcanics locally in contact with felsic volcanics, with up to 2% pyrite. These returned up to **54 ppb Au** (697907), **23.7 % Ca** (697908), **404 ppm Cu** (697907), **12.2% Fe** (697908), and **20 ppm Te** (697907). This was the highest Ca value of the program.

4 samples (697859-697860, 697916-697917) were collected along a west-northwest traverse through claim 600824. These consisted of angular mafic volcanic float with fine stringers of <1% pyrite which returned up to **261 ppm Cu**, **11% Fe** & **682 ppm Zn** (697859), or rusty sheared mafics with 2% pyrite and quartz, returning up to **11 ppm As** & **11.1 % Fe** (697916).

9 samples (697851-697853, 697861, 697901-697905) were collected within 100 m of the hydro line that passes from west-northwest to east-southeast through the property, in the western part of claim 600814 and the eastern part of claim 600823. These consisted of sheared, rusty mafic volcanics with locally up to 10%, generally no more than 2% pyrite. These returned up to **122**

ppb Au (697901), **9 ppm As** (697905), **10.9% Ca** (697903), **286 ppm Cr** (697851), **626 ppm Cu** (697861 – multiple other samples in the hundreds of ppm Cu), **21.4% Fe** (697861), **6860 ppm Mn** (697861), **7 ppm Mo** (697851), **5.92% S** (697853), and **451 ppm Zn** (697851). These were the highest Fe and Mn values of the program.

11 samples (697876-697880, 697931-697936) were collected west of the Aguasabon River in claim 600841, along a narrow 100m northwest-southeast corridor partially corresponding to a ridge. These were described as rusty, sheared mafics with up to 10% pyrite and rusty quartz feldspar porphyry with up to 10% pyrite. These returned up to **21 ppb Au** (697878), **617 ppm Cu** (697877), **20% Fe** (697935), **2.28% K** (697935), **5.19% Mg** (697935), **8 ppm Mo** (697933), **4.19% S** (697934), **1010 ppm Sr** (697931), and **17 ppm Te** (697880). These were the highest Mg and Sr values of the program.

4 samples (697881-697883, 697937) were collected within 100 m of the west shore of the Aguasabon River in claim 600838. These consisted of fine mafic volcanics with some quartz and 1% pyrite (697881), sheared mafics from a 4 meter shear in contact with the shoreline (697882-697883), and rusty mafics with 5% pyrite (697937). These returned up to **14 ppb Au**, **1.3 ppm Ag**, **14 ppm As** & **455 ppm Zr** (697881). This was the highest program value of Zr.

4 samples (697862-697863, 697918-697919) were collected at the southwest corner of a ~0.5 by 0.5 km steep hill, in the northern part of claim 600818. These consisted of fine-grained magnetic gabbro with trace pyrite and chalcopyrite, or rusty mafics with quartz, malachite, epidote and calcite with up to 2% pyrite and trace chalcopyrite. These returned up to **10.7% Ca** (697918), **11.8% Fe** (697919), and **15 ppm Te** (697918).

3 samples (697865-697866, 697920) were collected at the southeast corner of the large hill mentioned above, at the base of a southeast-facing cliff. These consisted of mafic volcanic talus with local calcite veins and chalcopyrite stringers with malachite staining. These returned up to **633 ppm Cu**, **11.7% Fe** & **8 ppm Sb** (697920), and up to **130 ppm Pb** (697865). These were the highest Cu and Sb values of the program.

September 26th

This program was a one-day follow-up on anomalous gold results obtained from the May-June program.

3 samples (E5830173-E5830175) were collected of quartz veins in hematized granite with minor to 0.5% pyrite, close to where sampling in May-June had returned up to **473 ppb Au** (697856). These returned up to **95 ppb Au** (E5830174), **76 ppm Mo** (E5830174) and **167 ppm Pb** (E5830173).

2 samples (E5830176-E5830177) were collected <100 m northwest of the samples mentioned above, close to where sampling in May-June had returned up to **370 ppb Au** (697930). Sample E5830176 was collected in the immediate vicinity of sample 697930, consisting of glassy white quartz stockwork in pink granite, with local orange-red staining (hematite +/- potassic alteration), and minor to 0.5% pyrite within quartz and wall rock. This sample returned **2040 ppb Au**, **15 ppm Ag**, **6 ppm As**, **24 ppm Mo** & **75 ppm W**. This was the highest W value of the program.

Sample E5830177 was collected 50 m west-southwest of the previous sample and consisted of moderately sheared mafic volcanic with moderate carb alteration and 1% disseminated pyrite, on top of strongly fractured outcrop which may have been blasted in the past. This sample also returned **2040 ppb Au**, along with **16.2 ppm Ag**, **26 ppm As**, **6 ppm Bi**, **294 ppm Cu**, **16.1% Fe**, **5 ppm Sb**, **7.99% S** & **18 ppm W**. These were the highest As & S values of the program.

*Sample E5830177, **2040 ppb Au**, **16.2 ppm Ag**, **26 ppm As**, **6 ppm Bi**, **294 ppm Cu**, **16.1% Fe**, **5 ppm Sb**, **7.99% S** & **18 ppm W**.*

1 sample (E5830178) of frost heave / float was collected where the highest value of **7.04 gpt Au** (sample 697925) had been obtained in the May-June program. It consisted of an up to 5cm folded white quartz vein in silicified diorite, with 1-2% disseminated pyrite in the diorite and minor pyrite, chalcopyrite and galena in the quartz. This sample returned **5250 ppb Au**, **56.9 ppm Ag**, **67 ppm Bi**, **24.3 ppm Cd**, **1970 ppm Pb**, **32 ppm Te**, **36 ppm W** & **1120 ppm Zn**.

Sample E5830178 close-up, ***5250 ppb Au****,* ***56.9 ppm Ag****,* ***67 ppm Bi****,* ***1970 ppm Pb****,* ***32 ppm Te****,* ***36 ppm W*** *&* ***1120 ppm Zn****.*

March 15th to 17th

A walking trail was cut into the **7 gpt Au** showing from the center of claim 600825 on March 16th, after having flagged the trail the day before. Six lake sediment samples were collected on March 17th: two at a small pond about 300 meters north of the showing, and four at Perch Lake in the eastern claims. Snowshoes were used to access the pond, and a Skidoo was used to access Perch Lake. Results are pending for these samples.

6.0 -DISCUSSION OF RESULTS AND RECOMMENDATIONS-

6.1 DISCUSSION OF RESULTS

The 2022 field programs were successful in identifying significant gold mineralization on the Property, which is hosted in several different rock types and areas:

1) Folded quartz veinlets containing pyrite and galena in silicified diorite with disseminated pyrite. These samples returned up to **7040 ppb Au** and are associated with elevated Ag, Bi, Cu, Ni, Pb, Te, W & Zn. Mineralization may occur at the contact of felsic and mafic volcanics and / or a northwest-southeast-trending fault, similar to the fault mapped by previous workers ~100 meters further north (Weick 1986). The zone occurs as frost heave / float at the base of a northeast-facing slope, with low ground to the northeast.

2) Quartz veins and stockworks in hematized granite close to the interpreted granite contact which trends east-northeast through the Property area. These samples returned up to **2040 ppb Au** and are associated with elevated Ag, Bi, Mo, Pb, W & Te. Many of these samples were of frost heave / float, though it does not appear that it would be difficult to dig to bedrock with an excavator in these areas.

3) Rusty mafic volcanics (or possibly iron formation), returning **2040 ppb Au** with elevated Ag, As, Bi, Cu, Sb, W, and high Fe and S percentages (**16.1** & **7.99%** respectively). This occurs in an area of strongly fractured outcrop which may have been blasted in the past. The nature of this zone is not well-understood and will require further mapping and mechanical stripping.

4) Sheared mafic volcanics or possibly iron formation in the west-central part of the Property, returning up to **122 ppb Au**, associated with elevated As, Cr, Cu, Mo, Zn, Mn, and > 10% Fe & Ca.

Additional significant types of mineralization include up to **4010 ppm Zn** in felsic volcanics along the corridor where up to **7040 ppb Au** was obtained. This indicates the potential for VMS-style mineralization on the Property. Samples of mafic volcanic / iron formation with chalcopyrite stringers that returned up to **633 ppm Cu** in the northeast part of the Property may also be related to this deposit style.

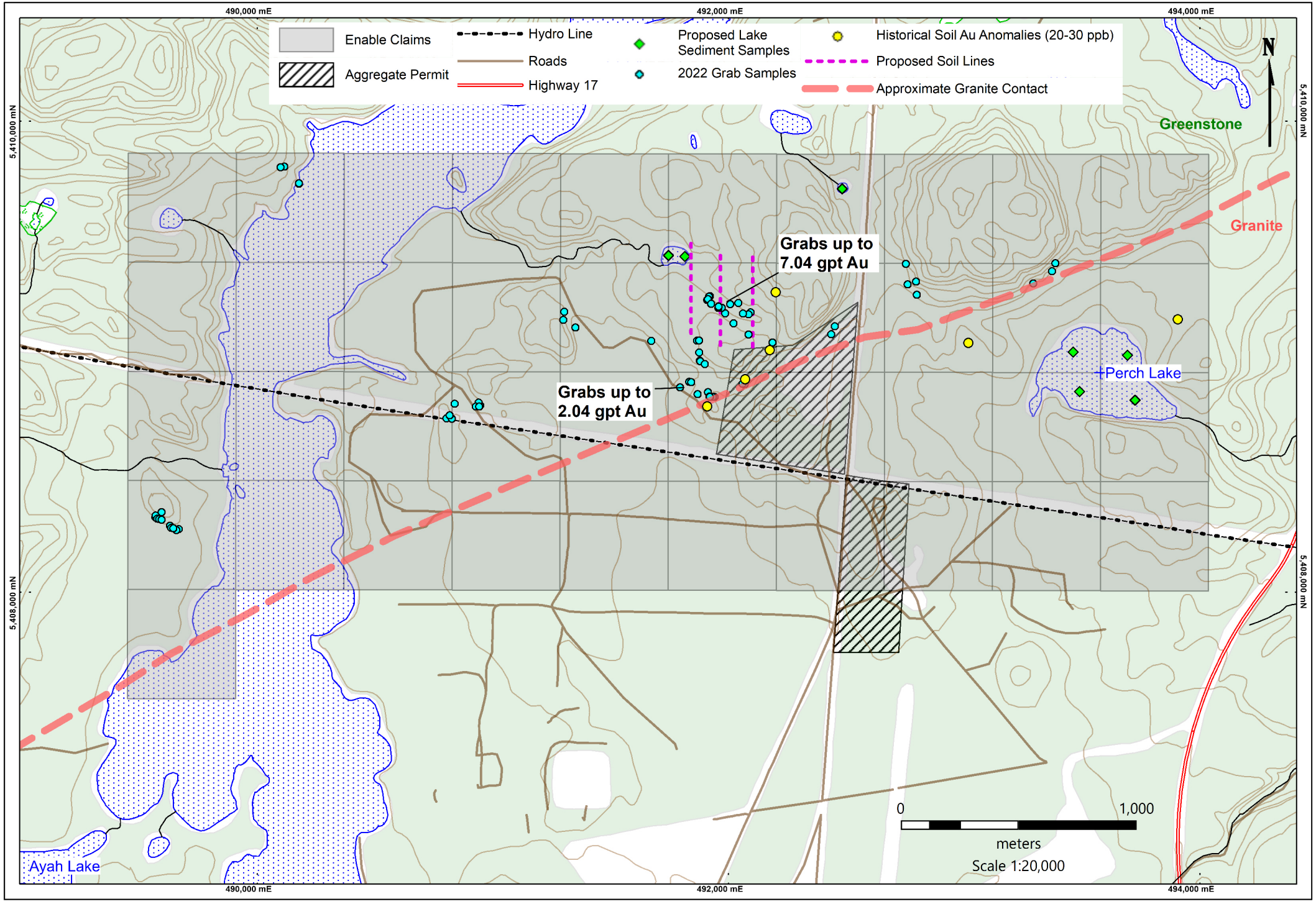
The relationship between the east-northeast-west-southwest-trending granite contact and possible northwest-southeast gold-bearing structures is poorly understood. Further mapping should improve understanding of the structural setting.

6.2 RECOMMENDATIONS

- Mapping and soil sampling along the northwest-southeast-trending corridor where **7040 ppb Au** was obtained (see Figure 5 below) and possibly further south in the areas where up to **2040 ppb Au** was obtained.

- Mechanical stripping at the **7040 ppb Au** occurrence and further south in the vicinity of the **2040 ppb Au** occurrences.

- Revisit other areas of anomalous Au, Cu & Zn mentioned above and determine if more work is required.


Enable Claims
Aggregate Permit
Hydro Line
Roads
Highway 17
Proposed Lake Sediment Samples
2022 Grab Samples
Historical Soil Au Anomalies (20-30 ppb)
Proposed Soil Lines
Approximate Granite Contact
490,000 mE
492,000 mE
494,000 mE
5,410,000 mN
5,408,000 mN
N
Greenstone
Granite
Grabs up to 7.04 gpt Au
Grabs up to 2.04 gpt Au
Perch Lake
Ayah Lake
0
1,000
meters
Scale 1:20,000

7.0-STATEMENTS OF QUALIFICATIONS-

I, Bruce A MacLachlan P. Geo (Limited), residing at 222 Emerald St., Timmins, Ontario, do hereby certify that:

I) First Class Metals Canada Inc. currently contracts me as a consulting Geological Technician and Prospector.

2) I am a P. Geo (Limited)., registered in the province of Ontario (APGO No. 1025).

3) I have continuously practiced my profession as a Geological Technician and Prospector for 40 years. I have prepared reports, conducted, supervised and managed exploration programs for several major and junior mining companies including Noranda Exploration Company Limited, CanAlaska Uranium Ltd., Noront Resources Ltd., Bold Ventures Inc., GoldON Resources Inc. and others.

4) I am responsible for the preparation of this report titled 'Work Report of the Summer 2022 Exploration Programs on the Enable Property, Terrace Bay Area, Ontario for First Class Metals Canada Inc.'

5) I have worked at several locations on the Property.

Dated at Timmins, Ontario;this 19th day of March 2023.

"Bruce A. MacLachlan" P. Geo (Limited) APGO No. 1025
(Signed and Sealed)

Bruce A. MacLachlan
2099840 Ontario Inc.
"Emerald Geological Services"

PROFESSIONAL GEOSCIENTIST
LIMITED MEMBER
BRUCE A. MACLACHLAN
1025
ONTARIO

I, Coleman Robertson, Geoscientist in Training (G.I.T.) with the Association of Professional Geoscientists of Ontario (APGO), residing at 4-217 Laurier Avenue East, Ottawa, Ontario, do hereby certify that:

1) I am an employee of Emerald Geological Services which is currently contracted by First Class Metals Canada Inc.

2) I am a Geoscientist in Training, registered in the province of Ontario (APGO No. 10821).

3) I graduated with a Bachelor of Science (Honours) degree in Earth Sciences at McGill University in 2014.

4) I have continuously practiced my profession as a Geological Technician since May 2017. Under the supervision of professional geoscientists (APGO), I have worked on numerous (frequently grassroots) mining exploration projects, performing such activities as prospecting, soil sampling, outcrop mapping, trench mapping, channel sampling, and drill core logging. I have been involved in all stages of these projects, from initial planning and claim staking to property reconnaissance, remote camp logistics, fieldwork, drafting of maps and assessment reports, and property presentations for company management and investors. Junior mining exploration companies whose projects I have worked on include Portofino Resources Inc., GoldOn Resources Ltd., Hemlo Explorers Inc., Frontline Gold Corporation, and Bold Ventures Inc.

5) I am co- author of the report titled 'Work Report of the 2022 Exploration Programs on the Enable Project, Terrace Bay Area, Ontario, For First Class Metals Canada Inc.'

6) I have worked at several locations on the Property.

Dated at Ottawa, Ontario, this 19th day of March 2023.

"Coleman Robertson," G.I.T., APGO No. 10821.

(Signed and Sealed)

Coleman Robertson
2099840 Ontario Inc.
"Emerald Geological Services"

8.0 - REFERENCES-

Boustead, G.A., 1984. Report on Combined Helicopter-Borne Magnetic, Electromagnetic and VLF Survey, for Schreiber Resources Limited, Thunder Bay South District, Priske and Strey Townships, NTS 42D14SE, MENDM file 42D14SE0019.

Carter, M.W., 1988. Geology of Schreiber-Terrace Bay area, District of Thunder Bay; Ontario Geological Survey, Open File Report 5692, 287p., 14 photos, 19 figures, 27 tables, 1 appendix, and 5 maps in back pocket.

Cavey, G., 1983. Report on the Property of Franklin Resources Ltd., Thunder Bay South District, Strey Township, NTS 42D14SE, MENDM file 42D14SE0022.

Cavey, G., 1984. Report on the Property of Rio Blanco Resources Ltd., Thunder Bay South District, Strey Township, NTS 42D14SE, MENDM file 42D14SE0023.

Cavey, G., 1986. Report on Geological and Geophysical Surveys, Greyhawk Resources Ltd., Thunder Bay South District, Strey Township, NTS 42D14SE, MENDM file 42D14SE0012.

Hogg, S., 1983[1]. Report on Combined Helicopter-Borne Magnetic and Electromagnetic Survey, Terrace Bay Area for Rio Blanco Resources Ltd., Thunder Bay South District, Strey Township, NTS 42D14SE, MENDM file 42D14SE0030.

Hogg, S., 1983[2]. Report on Combined Helicopter-Borne Magnetic and Electromagnetic Survey, Terrace Bay Area for Franklin Resources Ltd., Thunder Bay South District, Strey Township, NTS 42D14SE, MENDM file 42D14SE0028.

Hogg, S., 1983[3]. Report on Combined Helicopter-Borne Magnetic and Electromagnetic Survey, Terrace Bay Area for Greyhawk Resources Ltd., Thunder Bay South District, Strey Township, NTS 42D14SE, MENDM file 42D14SE0029.

Lucas, S.B., and St-Onge, M.R., 1998. Geology of the Precambrian Superior and Grenville Provinces and Precambrian Fossils in North America, Geological Survey of Canada, Geology of Canada, no. 7, 387p.

Pettigrew, T., 2020. Perch Lake West Occurrence, Ontario Geological Survey, Thunder Bay South District, MDI000000002467.

Weick, R.J., 1986. Interim Geological Report for Franklin Resources, Claims TB675149-675154, TB677609-677620, Thunder Bay South District, Strey Township NTS 42D14SE, MENDM file 42D14SE0014.

APPENDIX I

Rock Sample Descriptions

Table 1	Enable 2022 Grab Sample Description Table												
Sample number	Sample type	Date	Sampler	Claim-Cell	Easting	Northing	Elevation	Rock Code	Rock Type	Source	Description	Certificate_No	Au_ppb_final
697851	Grab	29-May-22	DK	600814	490946	5408793	303	MV	Mafic Volcanic	Outcrop	1 ft wide shear in rusty mafic volcanics	A22-07719	29
697852	Grab	29-May-22	DK	600814	490939	5408800	303	MV	Mafic Volcanic	Float	Float from a rusty shear in mafic volcanics	A22-07719	2.5
697853	Grab	29-May-22	DK	600814	490939	5408805	296	MV	Mafic Volcanic	Float	Rusty mafic float with 10% Pyrite	A22-07719	2.5
697854	Grab	30-May-22	DK	600825	491866	5409068	319	MV	Mafic Volcanic	Outcrop	Mafic volcanics with 2cm qtz vein and specks of Pyrite	A22-07719	2.5
697855	Grab	31-May-22	DK	600811	491934	5408830	316	GRAN	Granite	Float	Granite float with white qtz vein, rusty inclusions in vein	A22-07719	336
697856	Grab	31-May-22	DK	600811	491933	5408829	314	GRAN	Granite	Float	Granite float with white qtz vein and fine Pyrite <1%	A22-07719	473
697857	Grab	02-Jun-22	DK	600825	491985	5409184	322	FV	Felsic Volcanic	Outcrop	Rusty siliceous light gray felsic volcanic	A22-07719	6
697858	Grab	31-May-22	DK	600811	492068	5408883	319	QTZ	Quartz Veins	Outcrop	4- 1" qtz veins in granite with no Pyrite	A22-07719	2.5
697859	Grab	31-May-22	DK	600824	491350	5409124	309	MV	Mafic Volcanic	Float	Rusty mafic volcanic float with fine stringers of fine grain <1% Pyrite	A22-07719	2.5
697860	Grab	31-May-22	DK	600824	491302	5409191	321	MV	Mafic Volcanic	Float	Angular mafic volcanic float with fine grain Pyrite <1%	A22-07719	2.5
697861	Grab	31-May-22	DK	600814	490837	5408800	292	MV	Mafic Volcanic	Subcrop	Rusty subcrop chloritized mafic volcanic 2% pyrite	A22-07719	9
697862	Grab	01-Jun-22	DK	600818	492752	5409394	323	GAB	Gabbro	Float	Magnetic float of fine grain gabbro and specks of pyrite	A22-07719	2.5
697863	Grab	01-Jun-22	DK	600818	492799	5409263	309	GAB	Gabbro	Outcrop	Fine grain gabbro with specks chalcopyrite	A22-07719	2.5
697864	Standard									Standard	OREAS 200	A22-07719	341
697865	Grab	01-Jun-22	DK	600845	493293	5409311	315	MV	Mafic Volcanic	Float	Mafic volcanic float	A22-07719	2.5
697866	Grab	01-Jun-22	DK	600845	493387	5409397	315	MV	Mafic Volcanic	Outcrop	Talus mafic volcanic calcite veins and stringer chalcopyrite with malachite staining	A22-07719	2.5
697867	Grab	02-Jun-22	DK	600825	491970	5409208	326	FV	Felsic Volcanic	Outcrop	Felsic volcanic with micro qtz veinlet and fine grain pyrite	A22-07719	2.5
697868	Grab	02-Jun-22	DK	600825	491971	5409208	327	FV	Felsic Volcanic	Outcrop	Rusty felsic volcanics	A22-07719	2.5
697869	Grab	02-Jun-22	DK	600825	491957	5409213	326	FV	Felsic Volcanic	Outcrop	Rusty felsic volcanics with light gray on fresh surface and specks of pyrite	A22-07719	2.5
697870	Grab	02-Jun-22	DK	600825	491925	5409225	319	FV	Felsic Volcanic	Outcrop	Felsic volcanics with 2% pyrite and pyrrhotite	A22-07719	2.5
697871	Grab	02-Jun-22	DK	600825	491921	5409257	322	FV	Felsic Volcanic	Outcrop	Felsic volcanics with < 1% pyrite	A22-07719	11
697872	Grab	02-Jun-22	DK	600825	491917	5409255	320	FV	Felsic Volcanic	Outcrop	Felsic volcanic with calcite and pyrite	A22-07719	2.5
697873	Grab	02-Jun-22	DK	600825	491956	5409207	320	FV	Felsic Volcanic	Outcrop	Felsic volcanics with 1% pyrite	A22-07719	486
697874	Grab	02-Jun-22	DK	600825	491878	5408983	330	FV	Felsic Volcanic	Outcrop	Felsic shear with qtz inclusions	A22-07719	2.5

Sample number	Sample type	Date	Sampler	Claim-Cell	Easting	Northing	Elevation	Rock Code	Rock Type	Source	Description	Certificate_No	Au_ppb_final
697875	Grab	02-Jun-22	DK	600825	491879	5408981	329	FV	Felsic Volcanic	Outcrop	Shear felsic and mafic contact	A22-07719	2.5
697876	Grab	03-Jun-22	DK	600841	489567	5408318	306	MV	Mafic Volcanic	Outcrop	Fine grain mafic volcanic with <1% pyrite	A22-07719	2.5
697877	Grab	03-Jun-22	DK	600841	489568	5408326	311	MV	Mafic Volcanic	Outcrop	Fine mafic volcanic <1% pyrite with qtz veinlets	A22-07719	5
697878	Grab	03-Jun-22	DK	600841	489593	5408340	339	MV	Mafic Volcanic	Outcrop	Mafic volcanic with 1% pyrite	A22-07719	21
697879	Grab	03-Jun-22	DK	600841	489666	5408268	301	MV	Mafic Volcanic	Outcrop	Rusty talus bleached and sheared	A22-07719	17
697880	Grab	03-Jun-22	DK	600841	489656	5408264	289	MV	Mafic Volcanic	Outcrop	Fine grain mafic volcanic with 1% pyrite	A22-07719	5
697881	Grab	03-Jun-22	DK	600838	490114	5409807	311	MV	Mafic Volcanic	Outcrop	Fine grain mafic volcanic with some qtz and 1% pyrite	A22-07719	14
697882	Grab	03-Jun-22	DK	600838	490176	5409734	274	MV	Mafic Volcanic	Outcrop	4 meter wide Mafic shear zone in contact with shoreline	A22-07719	9
697883	Grab	03-Jun-22	DK	600838	490176	5409736	274	MV	Mafic Volcanic	Outcrop	4 meter wide Mafic shear zone in contact with shoreline	A22-07719	2.5
697884	Grab	04-Jun-22	DK	600825	492093	5409188	323	MV	Mafic Volcanic	Outcrop	Fine grain mafic volcanic with 1% pyrite	A22-07719	2.5
697885	Grab	04-Jun-22	DK	600825	492084	5409180	324	MV	Mafic Volcanic	Outcrop	Mafic volcanic with <1% pyrite and calcite?	A22-07719	2.5
697886	Grab	04-Jun-22	DK	600825	492061	5409183	325	MV	Mafic Volcanic	Float	Rusty mafic volcanic float with 2% pyrite	A22-07719	2.5
697887	BLANK									BLANK		A22-07719	2.5
697901	Grab	29-May-22	BL	600823	490802	5408738	304	MV	Mafic Volcanic	Bedrock	Mafic Shear/Rusty/.2%pyrite	A22-07719	122
697902	Grab	29-May-22	BL	600823	490825	5408737	301	MV	Mafic Volcanic	Bedrock	Mafic Shear/Rusty/.2%pyrite	A22-07719	38
697903	Grab	29-May-22	BL	600823	490816	5408751	300	MV	Mafic Volcanic	Bedrock	Mafic Shear/Rusty/.2%pyrite	A22-07719	28
697904	Grab	29-May-22	BL	600814	490927	5408788	293	MV	Mafic Volcanic	Bedrock	Mafic Shear/Rusty/2%pyrite	A22-07719	14
697905	Grab	29-May-22	BL	600814	490941	5408788	300	MV	Mafic Volcanic	Bedrock	Mafic Shear/Rusty/2%pyrite	A22-07719	7
697906	Grab	30-May-22	BL	600825	491899	5408969	327	MV	Mafic Volcanic	Bedrock	Mafic Shear/Rusty/2%pyrite	A22-07719	6
697907	Grab	30-May-22	BL	600825	491875	5409018	328	MV	Mafic Volcanic	Bedrock	Mafic shear/quartz/Rusty/Epidote/2%pyrite/.1%Cu	A22-07719	54
697908	Grab	30-May-22	BL	600825	491874	5409069	327	MV	Mafic Volcanic	Bedrock	Mafic shear/quartz vein/Rusty/.5%pyrite/.1%Cu	A22-07719	7
697909	Grab	30-May-22	BL	600825	491909	5409241	320	FV	Felsic Volcanic	Bedrock	Felsic/Rusty/2%pyrite	A22-07719	6
697910	Grab	30-May-22	BL	600825	491912	5409244	321	MV	Mafic Volcanic	Bedrock	Mafic shear/rusty/3%pyrite	A22-07719	2.5
697911	Grab	31-May-22	BL	600811	491918	5408831	321	QTZ	Quartz	Float	Quartz Float/Rusty/3%Pyrite/Angular/40cmx30cmx15cm	A22-07719	202

Sample number	Sample type	Date	Sampler	Claim-Cell	Easting	Northing	Elevation	Rock Code	Rock Type	Source	Description	Certificate_No	Au_ppb_final
697912	Grab	31-May-22	BL	600811	491922	5408829	315	QTZ	Quartz	Float	Quartz Float/Rusty/3%Pyrite/Angular/ 30cmx20cmx15cm	A22-07719	158
697913	Grab	31-May-22	BL	600811	491920	5408830	316	QTZ	Quartz	Float	Quartz Float/Rusty/3%Pyrite/Angular/ 40cmx30cmx20cm	A22-07719	161
697914	Grab	31-May-22	BL	600811	492059	5408885	318	MV	Mafic Volcanic	Float	Mafic/Rusty/10%Pyrite/Angular Float	A22-07719	5
697915	Standard									Standard	OREAS 200	A22-07719	350
697916	Grab	31-May-22	BL	600824	491672	5409067	297	MV	Mafic Volcanic	Bedrock	Mafic Shear/Quartz/Rusty/.1%Cu/2%Pyrite	A22-07719	2.5
697917	Grab	31-May-22	BL	600824	491298	5409156	315	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/2%Pyrite	A22-07719	2.5
697918	Grab	01-Jun-22	BL	600818	492795	5409319	333	MV	Mafic Volcanic	Bedrock	Mafic/Quartz/Malachite/Epidote/Rusty/. 1%Cu/2%Pyrite	A22-07719	7
697919	Grab	01-Jun-22	BL	600818	492760	5409307	314	MV	Mafic Volcanic	Bedrock	Mafic/Calcite/Epidote/Rusty/.1%Cu/.2% Pyrite	A22-07719	2.5
697920	Grab	01-Jun-22	BL	600845	493372	5409363	310	MV	Mafic Volcanic	Talus	Mafic/Rusty/1%Cu/2%Pyrite	A22-07719	8
697921	Grab	02-Jun-22	BL	600825	491926	5409225	323	FV	Felsic Volcanic	Bedrock	Felsic/Rusty/.2%pyrite	A22-07719	2.5
697922	Grab	02-Jun-22	BL	600825	491957	5409214	319	QTZ	Quartz	Bedrock	Quartz vein/ Felsic/Rusty/5%Pyrite	A22-07719	1700
697923	Grab	02-Jun-22	BL	600825	491957	5409214	319	QTZ	Quartz	Bedrock	Quartz vein/Felsic/Galena/Rusty/.1%Cu/5%Pyri te	A22-07719	672
697924	Grab	02-Jun-22	BL	600825	491957	5409214	319	FV	Felsic Volcanic	Bedrock	Felsic/Quartz/Rusty/10%pyrite	A22-07719	1260
697925	Grab	02-Jun-22	BL	600825	491957	5409214	319	QTZ	Quartz	Bedrock	Quartz vein/Galena/Rusty/2%Pyrite/.1%Cu	A22-07719	7040
697926	Grab	02-Jun-22	BL	600825	491957	5409214	319	QTZ	Felsic Volcanic	Bedrock	Quartz vein/Galena/Rusty/2%Pyrite/.1%Cu	A22-07719	859
697927	Grab	02-Jun-22	BL	600825	491957	5409213	319	MV	Mafic Volcanic	Bedrock	Felsic/Rusty/10%pyrite/.1%Cu	A22-07719	463
697928	Grab	02-Jun-22	BL	600825	492006	5409223	315	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/2%pyrite	A22-07719	2.5
697929	Grab	02-Jun-22	BL	600825	492041	5409228	318	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/5%Pyrite	A22-07719	2.5
697930	Grab	02-Jun-22	BL	600811	491841	5408892	307	QTZ	Quartz	Float	Quartz/Granite/Rusty/Float/Trace Pyrite	A22-07719	370
697931	Grab	03-Jun-22	BL	600841	489575	5408312	292	QTZ	Quartz Feldspar Porphyry	Bedrock	Quartz Feldspar Porphyry/Magnetite/Rusty/1%Pyrite/.1% Cu	A22-07719	2.5
697932	Grab	03-Jun-22	BL	600841	489583	5408310	295	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/10%Pyrite	A22-07719	2.5
697933	Grab	03-Jun-22	BL	600841	489593	5408308	296	QFP	Quartz Feldspar Porphyry	Bedrock	Quartz Feldspar Porphyry/Rusty/10%Pyrite	A22-07719	7
697934	Grab	03-Jun-22	BL	600841	489629	5408282	290	MV	Mafic Volcanic	Bedrock	Mafic shear/Rusty/10%Pyrite	A22-07719	8

Sample number	Sample type	Date	Sampler	Claim-Cell	Easting	Northing	Elevation	Rock Code	Rock Type	Source	Description	Certificate_No	Au_ppb_final
697935	Grab	03-Jun-22	BL	600841	489634	5408273	291	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/5%Pyrite	A22-07719	2.5
697936	Grab	03-Jun-22	BL	600841	489643	5408271	287	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/5%Pyrite	A22-07719	22
697937	Grab	03-Jun-22	BL	600838	490098	5409804	300	MV	Mafic Volcanic	Bedrock	Mafic/Rusty/5%Pyrite	A22-07719	2.5
697938	Grab	04-Jun-22	BL	600825	492186	5409060	340	MV	Mafic Volcanic	Bedrock	Mafic/Quartz/Felsic/Rusty/.2%Pyrite	A22-07719	2.5
697939	Grab	04-Jun-22	BL	600825	492021	5409142	323	FV	Felsic Volcanic	Bedrock	Felsic/Rusty/1%Pyrite/.1%Cu	A22-07719	2.5
697940	Grab	04-Jun-22	BL	600825	492084	5409094	333	MV	Mafic Volcanic	Float	Mafic/Rusty/3%Pyrite/Angular Float	A22-07719	2.5
B25512	Grab	07-May-22	BM CR	600826	492435	5409095	314	MV	Mafic Volcanic	Talus	Silicified mafic volcanic with 1-2% blebby pyrite. Talus from nearby cliff to NW.	A22-06383	9
B25513	Grab	07-May-22	BM CR	600826	492450	5409129	314	SERP	Serpentinite	Talus	Fine-to-medium-grained grey-green rock with rusty orange rind, minor pyrite. Resembles serpentinite but is non-magnetic (brucite but no magnetite?). Somewhat subangular but still probably talus from nearby cliff to NW.	A22-06383	2.5
E5830173	Grab	06-Sep-22	BM CR	600811	491912	5408849	324	GRAN	Granite	Frost Heave	Pink granite with minor blebs of kspar, minor to moderate <1cm glassy white quartz stringers. Frost heave.	A22-13024	12
E5830174	Grab	06-Sep-22	BM CR	600811	491940	5408829	323	QV	Quartz Vein	Frost Heave	Quartz vein in pink granite, minor to moderate rusty staining in the quartz. Frost heave.	A22-13024	95
E5830175	Grab	06-Sep-22	BM CR	600811	491868	5408841	320	QV	Quartz Vein	Frost Heave	Glassy white quartz vein in hematized granite (or possibly syenite), parallel rusty fractures in the quartz with minor pyrite on fracture planes. Frost heave.	A22-13024	20
E5830176	Grab	06-Sep-22	BM CR	600811	491833	5408893	312	QVSTOCK	Quartz Stockwork	Frost Heave	Glassy white quartz stockwork in pink granite, locally orange-red (hematite +/- potassic?), minor to 0.5% pyrite within quartz and wall rock, host rock locally brecciated. Frost heave.	A22-13024	2040
E5830177	Grab	06-Sep-22	BM CR	600811	491794	5408870	305	MV	Mafic Volcanic	Rubble	Fine-grained, moderately sheared mafic volcanic, rusty with 1% disseminated pyrite, moderate carb alteration. Non-magnetic. May be blasted rubble from outcrop beneath.	A22-13024	2040

Sample number	Sample type	Date	Sampler	Claim-Cell	Easting	Northing	Elevation	Rock Code	Rock Type	Source	Description	Certificate_No	Au_ppb_final
E5830178	Grab	06-Sep-22	BM CR	600825	491962	5409209	318	QV	Quartz Vein	Frost Heave	Up to 5cm quartz vein in silicified diorite, banded look to the quartz and diorite due to strain, 1-2% pyrite in the diorite bands, 0.5% overall, as well as minor pyrite, chalcopyrite and galena in the quartz. Frost heave at base of N-facing slope, low ground to N.	A22-13024	5250

APPENDIX II

Rock Assay Certificates

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-06383**
Report Date: **08-Jul-22**
Date Submitted: **12-May-22**
Your Reference: **ESA**

Emerald Geological Services
222 Emerald St
Timmins ON P4R 1N3
Canada

ATTN: Bruce MacLachlan

CERTIFICATE OF ANALYSIS

80 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
2A-15g	QOP INAAGEO (Humus INAA)	2022-06-13 11:51:06

REPORT **A22-06383**

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.

SCC Accredited LAB
LAB Accrédité CCN TM

LabID: 266

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: **A22-06383**
Report Date: **08-Jul-22**
Date Submitted: **12-May-22**
Your Reference: **ESA**

Emerald Geological Services
222 Emerald St
Timmins ON P4R 1N3
Canada

ATTN: Bruce MacLachlan

CERTIFICATE OF ANALYSIS

80 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-06-02 10:07:46
1F2-Tbay	QOP Total (Total Digestion ICPOES)	2022-07-05 09:43:41

REPORT **A22-06383**

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.

SCC Accredited LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Elitsa Hrischeva, Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
416101																							
416102																							
416103																							
416104																							
416105																							
416106																							
416107																							
416108																							
416109																							
416110																							
416111																							
416112																							
416113																							
416114																							
416115																							
416116																							
416117																							
416118																							
416119																							
416120																							
416121																							
416122																							
416123																							
416124																							
416125																							
416126																							
416127																							
416128																							
416129																							
416130																							
416131																							
416132																							
416133																							
416134																							
416135																							
416136																							
416137																							
416138																							
416139																							
416140																							
416141																							
416142																							
416143																							
416144																							
416145																							
416146																							
416147																							
416148																							
416149																							
416150																							
416151																							

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
416152																							
416153																							
416154																							
416155																							
416156																							
416157																							
416158																							
416159																							
416160																							
416161																							
416162																							
416163																							
416164																							
416165																							
B25501	13	0.8	9.40	< 3	387	< 1	< 2	2.67	< 0.3	17	128	62	4.97	25	1.79	0.72	17	371	4	3.06	28	0.129	27
B25502	17	0.3	11.0	< 3	> 1000	2	< 2	1.50	< 0.3	4	9	3	2.15	43	2.85	0.61	18	222	3	4.12	9	0.030	7
B25503	< 5	< 0.3	4.36	< 3	345	< 1	< 2	6.62	< 0.3	52	863	62	6.89	8	0.66	9.10	24	1320	< 1	1.30	274	0.035	< 3
B25504	8	< 0.3	7.51	6	446	< 1	< 2	1.53	< 0.3	2	36	3	2.50	18	1.33	0.79	12	365	< 1	3.16	14	0.048	15
B25505	22	0.3	7.79	< 3	513	< 1	< 2	1.74	< 0.3	3	101	6	3.19	20	1.26	1.10	15	417	< 1	3.09	30	0.056	6
B25506	< 5	0.4	5.67	5	262	< 1	< 2	6.25	< 0.3	54	419	28	9.07	14	1.40	8.50	29	1220	< 1	1.60	264	0.132	< 3
B25507	< 5	< 0.3	7.93	4	543	< 1	< 2	1.93	< 0.3	3	22	6	1.39	20	1.72	0.33	11	142	4	3.37	5	0.024	< 3
B25508	< 5	< 0.3	7.95	< 3	576	< 1	< 2	1.81	< 0.3	3	19	5	1.38	20	1.91	0.30	11	133	5	3.48	6	0.023	4
B25509	36	0.5	8.32	< 3	644	< 1	< 2	3.87	< 0.3	3	69	5	3.18	21	1.11	1.89	2	600	< 1	3.76	13	0.068	6
B25510	< 5	0.5	8.51	6	> 1000	2	< 2	2.19	< 0.3	5	27	11	2.03	21	2.73	0.84	14	297	109	3.38	17	0.083	17
B25511	5	< 0.3	6.37	3	333	< 1	< 2	2.67	< 0.3	8	104	13	2.62	18	0.82	1.12	5	562	2	3.52	37	0.071	9
B25512	9	< 0.3	1.87	5	17	< 1	< 2	1.69	3.4	25	48	293	6.22	9	0.07	0.29	6	482	4	0.30	22	0.018	6
B25513	< 5	< 0.3	5.57	5	152	2	< 2	7.97	< 0.3	37	336	71	5.48	15	0.43	3.84	40	1010	< 1	2.32	89	0.241	8
B25514	< 5	< 0.3	9.60	6	440	< 1	< 2	0.62	< 0.3	26	127	13	4.85	25	1.89	1.84	44	584	< 1	1.20	94	0.042	4
B25515	< 5	0.4	7.71	< 3	730	2	< 2	5.66	< 0.3	34	87	15	7.75	20	0.93	4.12	35	1480	< 1	1.69	43	0.174	5

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	1	2	1	100	1	0.5	1	1	0.5	0.05
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
416101														19	< 2	2	400	5	2.3	12	64	1.9	1.21
416102														< 1	< 2	2	900	3	2.7	12	67	0.8	1.54
416103														< 1	< 2	2	400	4	1.9	11	68	0.6	1.36
416104														21	< 2	2	500	4	1.3	12	80	0.6	1.78
416105														16	< 2	3	400	4	1.4	11	70	2.0	1.14
416106														18	< 2	3	300	9	0.9	7	31	1.6	0.61
416107														9	< 2	2	800	4	1.1	15	83	2.2	1.38
416108														7	< 2	2	600	7	2.7	15	86	2.6	1.64
416109														6	< 2	2	400	28	2.2	15	74	4.0	1.74
416110														4	< 2	2	600	5	2.0	3	68	1.8	1.05
416111														6	< 2	2	800	4	0.7	16	54	3.0	0.97
416112														14	< 2	4	800	8	1.7	18	71	4.8	1.85
416113														24	< 2	2	700	4	0.8	6	54	2.5	1.08
416114														3	< 2	1	500	3	3.8	20	301	1.0	4.27
416115														9	< 2	2	800	6	0.6	47	134	2.8	1.73
416116														39	< 2	3	600	8	1.3	7	57	3.9	0.90
416117														23	< 2	2	600	6	0.9	4	101	2.0	0.93
416118														< 1	< 2	2	400	4	< 0.5	9	135	3.8	1.36
416119														9	< 2	5	600	7	1.1	9	66	1.2	1.79
416120														< 1	< 2	3	1000	6	0.9	10	120	2.6	2.13
416121														4	< 2	6	700	7	0.7	74	172	6.6	5.04
416122														6	< 2	3	800	5	1.8	9	107	2.2	1.31
416123														18	< 2	4	400	10	1.2	6	51	2.2	0.79
416124														3	< 2	3	600	7	1.8	18	108	3.2	2.34
416125														7	< 2	5	700	13	1.2	50	121	4.8	3.27
416126														22	< 2	5	500	18	1.5	8	41	2.2	0.83
416127														12	< 2	4	500	8	2.2	6	54	2.4	0.77
416128														22	< 2	4	600	10	1.6	12	69	1.9	1.29
416129														17	< 2	4	500	12	3.0	18	43	2.6	1.34
416130														< 1	< 2	5	300	14	3.0	10	24	2.8	0.67
416131														< 1	< 2	4	400	21	2.4	16	48	2.8	1.41
416132														3	< 2	4	200	25	6.2	2	10	< 0.5	0.41
416133														46	< 2	1	100	16	2.0	< 1	5	< 0.5	0.16
416134														18	< 2	5	200	16	1.7	4	12	< 0.5	0.51
416135														13	< 2	6	400	14	3.2	7	55	2.5	0.91
416136														12	< 2	6	400	21	5.3	14	25	4.1	0.90
416137														< 1	< 2	8	900	11	3.0	16	71	1.8	2.08
416138														15	< 2	5	300	25	5.6	11	31	2.5	1.00
416139														18	< 2	11	400	22	2.8	5	17	1.8	0.53
416140														13	< 2	5	1000	15	4.4	32	177	2.7	2.56
416141														23	< 2	3	600	11	2.8	14	74	2.1	1.20
416142														6	< 2	4	700	12	2.4	8	60	1.6	1.00
416143														23	< 2	3	900	5	1.2	14	131	2.8	1.61
416144														8	< 2	5	800	12	< 0.5	25	130	4.9	3.23
416145														32	< 2	5	700	13	3.0	43	120	5.8	2.55
416146														58	< 2	2	200	15	2.0	5	11	1.1	0.34
416147														34	< 2	6	300	23	4.2	8	18	2.5	0.71
416148														12	< 2	9	600	24	1.5	8	44	4.2	0.85
416149														21	< 2	4	1000	10	2.5	11	96	2.6	1.51
416150														9	< 2	5	1200	9	2.8	49	133	5.8	3.84
416151														2	< 2	4	1500	9	3.5	31	157	2.9	4.06

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	1	2	1	100	1	0.5	1	1	0.5	0.05
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
416152														13	< 2	4	1100	8	2.9	15	104	3.4	1.81
416153														7	< 2	10	1600	14	1.5	122	250	9.7	4.47
416154														27	< 2	4	1100	10	4.2	20	88	3.8	1.91
416155														27	< 2	10	1200	23	6.6	15	67	6.3	1.73
416156														31	< 2	6	1300	21	5.7	33	74	10.4	2.04
416157														41	< 2	4	500	17	2.5	8	17	2.0	0.56
416158														18	< 2	5	1000	19	5.2	22	81	5.3	1.71
416159														18	< 2	2	400	6	0.9	4	23	1.7	0.47
416160														9	< 2	3	< 100	20	3.1	3	7	1.1	0.24
416161														11	< 2	7	300	48	1.6	44	33	1.2	2.12
416162														15	< 2	2	200	11	0.8	7	8	1.4	0.27
416163														7	< 2	1	500	6	0.6	9	64	1.5	0.78
416164														11	< 2	3	300	9	1.5	9	46	2.4	1.45
416165														7	< 2	2	500	4	1.5	12	54	2.1	0.80
B25501	< 5	1.12	22	398	< 2	0.67	< 5	< 10	235	< 5	6	83	85										
B25502	< 5	0.26	6	633	< 2	0.20	< 5	< 10	89	6	3	34	109										
B25503	< 5	0.04	35	431	6	0.24	< 5	< 10	166	< 5	10	77	44										
B25504	< 5	0.12	6	528	< 2	0.19	< 5	< 10	47	< 5	4	54	67										
B25505	< 5	0.13	7	621	3	0.14	< 5	< 10	43	< 5	4	60	65										
B25506	< 5	0.27	41	426	10	0.55	< 5	< 10	240	< 5	18	103	45										
B25507	< 5	0.56	< 4	369	< 2	0.11	< 5	< 10	25	< 5	2	32	48										
B25508	< 5	0.64	< 4	357	< 2	0.11	< 5	< 10	24	< 5	2	25	48										
B25509	< 5	0.06	9	844	8	0.12	< 5	< 10	27	< 5	6	80	35										
B25510	< 5	0.06	4	953	< 2	0.22	< 5	< 10	39	< 5	6	60	165										
B25511	< 5	0.21	6	451	< 2	0.28	< 5	< 10	60	< 5	4	64	80										
B25512	< 5	3.87	< 4	58	< 2	0.07	< 5	< 10	32	8	4	1330	26										
B25513	< 5	0.11	21	660	8	0.19	< 5	< 10	142	< 5	28	72	58										
B25514	< 5	0.01	24	211	< 2	0.08	< 5	< 10	60	< 5	11	106	47										
B25515	< 5	0.01	25	791	< 2	0.43	< 5	< 10	165	< 5	23	117	122										

Analyte Symbol	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
416101	3.3	< 0.5	< 5	< 0.5	22000	< 10	< 20	0.5	6.0	< 2	300	< 0.5	1.7	0.4	< 1	60	7.5	13	6	1.6	0.4	< 0.2	0.6
416102	4.5	< 0.5	< 5	< 0.5	36800	< 10	< 20	0.3	7.6	< 2	< 100	< 0.5	1.6	0.3	< 1	< 20	6.7	13	10	2.2	0.2	< 0.2	0.7
416103	4.4	< 0.5	< 5	< 0.5	30400	< 10	< 20	0.6	6.4	< 2	500	< 0.5	2.0	0.3	< 1	< 20	9.0	14	8	1.9	0.2	< 0.2	0.9
416104	4.0	< 0.5	< 5	< 0.5	45000	< 10	< 20	0.4	8.0	< 2	< 100	< 0.5	1.6	< 0.1	< 1	70	7.3	13	6	1.8	0.5	< 0.2	0.7
416105	6.6	< 0.5	< 5	< 0.5	16800	< 10	40	0.6	4.9	< 2	200	< 0.5	3.2	0.8	< 1	30	12.6	23	11	2.3	0.5	< 0.2	0.9
416106	3.3	< 0.5	< 5	< 0.5	5700	< 10	30	0.8	2.6	< 2	100	< 0.5	2.0	0.7	< 1	70	9.2	16	9	1.5	0.3	< 0.2	0.6
416107	5.7	< 0.5	< 5	< 0.5	25300	< 10	40	0.5	6.1	< 2	300	< 0.5	3.0	0.7	< 1	40	13.4	26	11	2.6	0.6	< 0.2	0.9
416108	6.7	< 0.5	< 5	< 0.5	20300	< 10	60	0.3	6.3	< 2	< 100	< 0.5	4.6	0.9	< 1	50	27.0	38	26	4.9	0.9	< 0.2	1.1
416109	4.0	2.5	< 5	5.1	11700	< 10	60	0.5	10.4	< 2	< 100	< 0.5	9.2	4.0	< 1	30	189	64	173	24.6	4.2	1.9	3.7
416110	7.3	< 0.5	< 5	0.8	19700	< 10	60	0.8	4.6	< 2	< 100	< 0.5	3.8	1.1	< 1	90	14.8	23	13	2.4	0.6	< 0.2	0.9
416111	13.5	< 0.5	< 5	1.3	19200	< 10	60	0.6	5.6	< 2	< 100	< 0.5	7.0	1.6	< 1	40	27.8	47	21	4.3	0.8	0.4	1.7
416112	9.5	< 0.5	< 5	< 0.5	21400	< 10	100	0.8	8.4	< 2	< 100	< 0.5	5.7	1.4	< 1	40	30.4	46	28	5.4	0.9	< 0.2	1.6
416113	11.3	< 0.5	< 5	0.8	19000	< 10	50	0.7	5.4	< 2	< 100	< 0.5	5.4	1.8	< 1	40	19.4	34	15	3.4	0.7	< 0.2	1.4
416114	5.9	< 0.5	< 5	< 0.5	31300	< 10	< 20	0.5	20.5	< 2	< 100	< 0.5	2.4	0.7	< 1	< 20	10.9	22	12	3.3	0.8	< 0.2	1.3
416115	8.2	< 0.5	< 5	0.6	30300	< 10	70	0.6	7.8	< 2	400	< 0.5	4.5	1.3	< 1	30	24.0	43	18	4.3	0.8	0.2	1.3
416116	3.5	< 0.5	< 5	2.9	16300	< 10	< 20	1.0	3.8	< 2	< 100	< 0.5	2.7	0.8	< 1	60	11.8	21	10	1.8	0.4	< 0.2	0.7
416117	9.8	< 0.5	< 5	1.3	26300	< 10	150	0.7	4.3	< 2	< 100	< 0.5	5.3	1.9	< 1	30	15.2	27	10	2.6	0.5	< 0.2	1.1
416118	7.1	< 0.5	< 5	2.2	39900	< 10	90	0.4	5.1	< 2	< 100	< 0.5	6.3	1.5	< 1	< 20	16.7	31	11	2.6	0.9	< 0.2	1.0
416119	7.6	< 0.5	< 5	< 0.5	19900	< 10	40	0.6	5.5	< 2	< 100	< 0.5	4.1	1.3	< 1	70	14.5	25	11	2.7	0.5	< 0.2	1.1
416120	11.2	< 0.5	< 5	< 0.5	40600	< 10	20	0.7	8.7	< 2	600	< 0.5	5.7	2.2	< 1	40	23.0	39	18	4.2	1.0	< 0.2	1.6
416121	10.1	< 0.5	< 5	14.2	26500	< 10	80	0.6	10.2	< 2	< 100	2.3	8.3	1.6	< 1	140	27.7	63	20	5.5	1.0	< 0.2	1.7
416122	8.5	< 0.5	< 5	< 0.5	29500	< 10	30	0.6	7.2	< 2	400	0.6	4.5	1.2	< 1	< 20	15.9	28	12	3.1	0.7	< 0.2	1.2
416123	3.7	< 0.5	< 5	0.9	8100	< 10	20	1.1	3.5	< 2	< 100	< 0.5	2.8	0.9	< 1	90	10.2	18	9	1.8	0.3	< 0.2	0.7
416124	9.2	< 0.5	< 5	< 0.5	32700	< 10	40	0.6	9.1	< 2	< 100	< 0.5	5.2	1.6	< 1	50	23.0	41	16	4.3	0.9	< 0.2	1.4
416125	4.9	< 0.5	< 5	5.1	23300	< 10	30	0.8	9.5	< 2	200	< 0.5	7.2	2.4	< 1	170	62.4	143	48	9.7	1.8	< 0.2	1.5
416126	2.7	< 0.5	< 5	2.2	5600	< 10	40	1.4	3.4	< 2	< 100	< 0.5	2.9	1.2	< 1	130	31.3	58	28	4.7	0.8	0.3	1.0
416127	5.3	< 0.5	< 5	0.9	10800	< 10	50	0.9	3.6	< 2	< 100	< 0.5	3.2	0.8	< 1	190	11.9	20	12	2.0	0.4	< 0.2	0.8
416128	6.6	< 0.5	< 5	< 0.5	16300	< 10	40	0.6	5.3	< 2	< 100	< 0.5	4.6	1.2	< 1	100	23.1	34	19	3.8	0.8	0.3	1.1
416129	4.0	< 0.5	< 5	3.3	11200	< 10	50	1.0	5.2	< 2	200	< 0.5	3.9	1.2	< 1	70	40.8	52	37	6.0	1.0	0.6	1.2
416130	2.7	0.9	< 5	1.0	4300	< 10	40	0.8	3.2	< 2	< 100	< 0.5	2.7	1.3	< 1	50	90.4	40	88	10.3	1.6	0.9	1.3
416131	4.2	1.6	< 5	4.1	9900	< 10	30	0.4	6.3	< 2	< 100	< 0.5	5.7	1.9	< 1	< 20	123	80	112	14.6	2.3	0.9	2.0
416132	< 0.5	< 0.5	< 5	< 0.5	800	< 10	< 20	0.8	1.9	< 2	< 100	< 0.5	2.2	0.4	< 1	< 20	88.8	42	81	9.0	1.3	1.0	1.3
416133	< 0.5	< 0.5	< 5	0.9	500	< 10	< 20	0.3	0.5	< 2	< 100	< 0.5	< 0.5	< 0.1	< 1	80	3.4	5	4	0.4	< 0.2	< 0.2	0.2
416134	0.9	0.5	< 5	< 0.5	1600	20	< 20	1.1	1.5	< 2	< 100	< 0.5	1.4	0.3	< 1	70	7.2	12	13	1.1	0.2	< 0.2	0.4
416135	2.8	< 0.5	< 5	2.0	7900	< 10	30	1.3	3.5	< 2	< 100	< 0.5	2.3	0.6	< 1	30	11.9	20	13	2.1	0.3	0.2	0.6
416136	1.9	< 0.5	< 5	2.5	2500	< 10	50	1.4	3.4	< 2	< 100	< 0.5	3.1	1.4	< 1	70	38.8	31	45	5.4	0.9	0.3	0.9
416137	9.9	< 0.5	< 5	1.9	19900	< 10	50	1.1	8.4	< 2	300	< 0.5	5.6	1.5	< 1	30	17.6	34	16	3.4	0.6	< 0.2	1.3
416138	1.1	< 0.5	< 5	0.6	4600	< 10	< 20	1.1	3.5	< 2	< 100	< 0.5	2.3	0.9	< 1	30	55.6	51	56	7.4	1.0	0.9	1.0
416139	1.1	0.5	< 5	1.2	2100	< 10	< 20	1.5	1.8	< 2	< 100	< 0.5	1.6	0.2	< 1	120	6.5	11	11	1.1	0.2	< 0.2	0.4
416140	7.3	0.5	< 5	< 0.5	26600	< 10	100	0.9	10.5	< 2	800	< 0.5	3.4	0.8	< 1	160	13.4	30	19	5.0	1.0	< 0.2	1.2
416141	3.8	< 0.5	< 5	1.7	12400	< 10	40	0.9	4.5	< 2	< 100	< 0.5	2.7	0.8	< 1	140	14.2	24	14	2.6	0.4	< 0.2	0.8
416142	8.8	< 0.5	< 5	1.5	18400	< 10	50	0.8	4.4	< 2	100	< 0.5	4.0	1.3	< 1	30	15.1	27	16	2.7	0.6	0.3	1.0
416143	10.8	< 0.5	< 5	1.9	42400	< 10	< 20	0.6	8.4	< 2	900	< 0.5	5.2	1.4	< 1	70	19.0	35	20	4.0	0.9	< 0.2	1.4
416144	6.4	< 0.5	< 5	< 0.5	45200	< 10	40	0.9	10.2	< 2	< 100	< 0.5	3.8	1.9	< 1	< 20	21.8	41	20	4.7	0.9	< 0.2	1.2
416145	6.0	< 0.5	< 5	7.3	27000	< 10	70	1.2	8.7	< 2	< 100	< 0.5	6.4	2.3	< 1	70	26.4	51	19	4.1	0.9	0.8	1.5
416146	0.7	0.5	< 5	1.3	1400	< 10	< 20	0.7	0.9	< 2	< 100	< 0.5	0.9	< 0.1	< 1	150	3.2	6	< 3	0.6	< 0.2	< 0.2	0.2
416147	1.4	0.7	< 5	2.8	2800	< 10	30	1.8	2.3	< 2	< 100	< 0.5	2.0	1.1	< 1	110	14.8	23	15	2.3	0.3	< 0.2	0.6
416148	3.8	0.6	< 5	1.5	11300	< 10	40	2.1	3.5	< 2	200	< 0.5	3.0	1.3	< 1	90	11.3	21	11	2.1	0.4	< 0.2	0.9
416149	11.6	< 0.5	< 5	1.1	34700	< 10	70	0.9	8.0	< 2	900	< 0.5	5.4	1.9	< 1	< 20	20.5	36	23	4.1	0.9	< 0.2	1.6
416150	11.9	< 0.5	< 5	< 0.5	51400	< 10	60	0.7	14.5	< 2	900	< 0.5	5.7	1.9	< 1	< 20	27.0	51	29	5.9	1.3	< 0.2	1.6
416151	11.5	< 0.5	< 5	< 0.5	52000	< 10	< 20	0.6	14.0	< 2	1400	< 0.5	5.4	2.2	< 1	< 20	27.0	51	27	6.6	1.4	0.5	1.8

Analyte Symbol	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb
Unit Symbol	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
416152	16.8	< 0.5	< 5	1.9	39800	< 10	50	1.0	10.1	< 2	600	< 0.5	8.5	2.6	< 1	160	30.6	58	22	5.9	1.2	0.5	2.7
416153	10.4	< 0.5	< 5	3.3	29100	< 10	120	1.4	16.8	< 2	900	< 0.5	8.9	2.5	< 1	60	36.7	132	32	8.4	1.4	< 0.2	2.3
416154	11.4	< 0.5	< 5	< 0.5	29600	< 10	90	1.0	8.1	< 2	400	< 0.5	6.3	1.8	< 1	90	23.5	43	22	4.7	0.9	0.3	1.6
416155	10.1	< 0.5	< 5	1.1	21000	< 10	110	2.3	7.2	< 2	< 100	< 0.5	5.8	1.1	< 1	210	22.5	38	19	4.1	0.9	< 0.2	1.9
416156	11.2	< 0.5	< 5	6.6	21900	< 10	150	1.4	9.6	< 2	500	< 0.5	7.2	2.0	< 1	360	67.4	83	89	9.9	1.8	< 0.2	2.2
416157	1.6	0.6	< 5	2.0	3400	< 10	40	1.1	2.0	< 2	< 100	< 0.5	1.8	0.4	< 1	200	8.3	12	12	1.3	0.2	< 0.2	0.4
416158	11.6	< 0.5	< 5	1.3	27700	< 10	130	1.4	7.1	< 2	1200	< 0.5	5.6	1.4	< 1	360	24.5	38	22	4.1	0.8	< 0.2	1.6
416159	3.8	< 0.5	< 5	1.6	6400	< 10	30	0.7	1.9	< 2	100	< 0.5	1.8	0.6	< 1	140	6.8	12	7	1.3	0.2	< 0.2	0.6
416160	< 0.5	< 0.5	< 5	1.0	700	< 10	< 20	0.8	0.9	< 2	< 100	< 0.5	0.8	0.2	< 1	50	6.1	6	10	1.1	< 0.2	< 0.2	0.3
416161	< 0.5	2.2	< 5	2.6	1100	< 10	< 20	0.6	5.1	< 2	< 100	< 0.5	4.6	1.6	< 1	50	86.6	142	93	12.6	1.9	0.9	1.5
416162	0.7	< 0.5	< 5	1.6	1500	< 10	20	0.6	0.9	< 2	< 100	< 0.5	0.8	0.1	< 1	50	3.5	6	4	0.6	< 0.2	< 0.2	0.2
416163	4.7	< 0.5	< 5	0.7	12200	< 10	30	0.4	3.8	< 2	200	< 0.5	2.3	0.8	< 1	< 20	9.6	17	8	1.7	0.3	< 0.2	0.7
416164	1.6	< 0.5	< 5	1.3	9100	< 10	< 20	0.6	4.3	< 2	100	< 0.5	1.8	0.8	< 1	50	17.7	31	19	2.8	0.5	< 0.2	0.6
416165	8.3	< 0.5	< 5	< 0.5	15900	< 10	30	0.4	4.9	< 2	300	< 0.5	4.3	1.2	< 1	< 20	17.5	32	14	3.1	0.6	< 0.2	1.3
B25501																							
B25502																							
B25503																							
B25504																							
B25505																							
B25506																							
B25507																							
B25508																							
B25509																							
B25510																							
B25511																							
B25512																							
B25513																							
B25514																							
B25515																							

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.1	
Method Code	INAA	INAA
416101	< 0.1	15.9
416102	< 0.1	15.7
416103	0.1	15.9
416104	< 0.1	15.9
416105	0.1	15.7
416106	0.1	15.4
416107	0.1	15.8
416108	0.1	16.0
416109	0.5	15.8
416110	0.1	15.9
416111	0.2	15.8
416112	0.2	15.8
416113	0.2	15.8
416114	0.2	15.8
416115	0.1	15.8
416116	0.1	15.7
416117	0.1	15.8
416118	0.2	15.9
416119	0.1	15.8
416120	0.2	15.9
416121	0.2	15.8
416122	0.2	15.9
416123	0.1	15.8
416124	0.1	15.8
416125	0.2	15.8
416126	0.1	15.8
416127	0.1	15.8
416128	0.1	15.9
416129	0.1	15.9
416130	0.1	15.8
416131	0.2	15.8
416132	0.1	15.6
416133	< 0.1	15.5
416134	< 0.1	15.5
416135	< 0.1	15.8
416136	0.1	16.0
416137	0.2	15.8
416138	0.1	15.8
416139	< 0.1	15.9
416140	0.1	16.0
416141	0.1	15.8
416142	0.2	15.7
416143	0.2	15.8
416144	0.1	15.8
416145	0.2	15.8
416146	< 0.1	15.4
416147	< 0.1	15.5
416148	0.1	15.8
416149	0.2	15.9
416150	0.3	15.7
416151	0.2	15.7

Analyte Symbol	Lu	Mass
Unit Symbol	ppm	g
Lower Limit	0.1	
Method Code	INAA	INAA
416152	0.3	15.8
416153	0.2	15.9
416154	0.2	15.8
416155	0.2	15.8
416156	0.3	16.0
416157	< 0.1	15.7
416158	0.2	15.7
416159	0.1	15.8
416160	< 0.1	15.4
416161	0.2	15.7
416162	< 0.1	15.8
416163	0.1	15.9
416164	0.1	15.9
416165	0.1	15.9
B25501		
B25502		
B25503		
B25504		
B25505		
B25506		
B25507		
B25508		
B25509		
B25510		
B25511		
B25512		
B25513		
B25514		
B25515		

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				8						150	197	330	9.59								6480		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
Oreas 72a (4 Acid) Meas				11						146	160	312	9.67								6230		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
OREAS 98 (4 Acid) Meas		39.1					46			118		> 10000											267
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 98 (4 Acid) Meas		40.6					32			121		> 10000											275
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 904 (4 Acid) Meas		0.5	6.55	106	190	9	< 2	0.05		96	58	6020	6.81	16	2.28	0.62	16	457	2	0.04	42	0.100	10
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
SBC-1 Meas				24	693	3	< 2		< 0.3	22	70	30		26			170		2		84		28
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
OREAS 96 (4 Acid) Meas		11.0					24			50		> 10000											85
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		11.8					23			52		> 10000											88
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
L-STD-9 Meas																							
L-STD-9 Cert																							
OREAS 238 (Fire Assay) Meas	3050																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	505																						
Oreas E1336 (Fire Assay) Cert	510.000																						
OREAS 681 (4 Acid) Meas		0.4	7.58		411	1	< 2	5.74		48	1490	250	7.30	16	1.30	5.08	13	1290	< 1	1.55	462	0.128	10
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2
OREAS 247 (4 Acid) Meas		2.6	6.12	3300	555	2	< 2	0.88	< 0.3	13	91	39	3.20	16	2.30	1.27	31	397	< 1	0.47	47	0.047	31
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 620 (4 Acid) Meas		41.8	7.00	39	76	2	2	1.78	170	14	19	1820	3.11	24	0.63	0.38	21	445	8	2.06	17	0.038	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2500	2	2	1.60	163	12	22	1730	2.94	24	2.6	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		42.5	6.65	46	87	2	2	1.77	169	14	23	1700	3.01	25	1.42	0.37	20	458	9	2.00	18	0.038	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2500	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
B25501 Orig		0.8	8.65	< 3	341	< 1	< 2	2.63	< 0.3	17	134	62	4.96	24	1.73	0.69	17	384	4	3.08	28	0.130	27
B25501 Dup		0.8	10.1	8	432	1	< 2	2.70	< 0.3	17	122	62	4.99	25	1.84	0.75	16	358	5	3.04	27	0.129	27

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
B25506 Orig	< 5																						
B25506 Dup	< 5																						
B25509 Orig	37																						
B25509 Dup	35																						
B25515 Orig		0.4	7.70	7	727	2	< 2	5.66	< 0.3	34	86	15	7.73	20	0.93	4.10	35	1480	< 1	1.69	43	0.173	4
B25515 Dup		0.4	7.72	< 3	733	2	< 2	5.67	< 0.3	34	88	15	7.77	21	0.94	4.13	36	1480	< 1	1.68	43	0.176	5
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Oreas 72a (4 Acid) Meas		1.73																					
Oreas 72a (4 Acid) Cert		1.74																					
Oreas 72a (4 Acid) Meas		1.66																					
Oreas 72a (4 Acid) Cert		1.74																					
OREAS 98 (4 Acid) Meas	< 5	14.7										1310											
OREAS 98 (4 Acid) Cert	20.1	15.5										1360											
OREAS 98 (4 Acid) Meas	< 5	15.1										1350											
OREAS 98 (4 Acid) Cert	20.1	15.5										1360											
OREAS 904 (4 Acid) Meas	< 5	0.06	12	30			< 5	< 10	86	< 5	34	31	25										
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171										
SBC-1 Meas	< 5		20	193		0.47	< 5	< 10	219	< 5	32	205	120										
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0										
OREAS 96 (4 Acid) Meas	< 5	4.23										455											
OREAS 96 (4 Acid) Cert	5.09	4.19										457											
OREAS 96 (4 Acid) Meas	< 5	4.50										472											
OREAS 96 (4 Acid) Cert	5.09	4.19										457											
L-STD-9 Meas														21	6	3.8	< 1	0.10	400	0.1	0.2	30	0.8
L-STD-9 Cert														20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 681 (4 Acid) Meas	< 5	0.10	26	440		0.35		< 10	189	< 5	16	80	49										
OREAS 681 (4 Acid) Cert	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0										
OREAS 247 (4 Acid) Meas	335	0.77	12	101		0.33	< 5	< 10	67	< 5	18	89	131										
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125										
OREAS 620 (4 Acid) Meas	12	2.70	6	126		0.16	< 5	< 10	23	5	14	> 10000	225										
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202										
OREAS 620 (4 Acid) Meas	12	2.78	6	125		0.16	< 5	< 10	23	7	13	> 10000	227										
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202										
B25501 Orig	< 5	1.11	20	387	< 2	0.66	< 5	< 10	231	< 5	5	84	83										
B25501 Dup	< 5	1.12	23	409	5	0.68	< 5	< 10	239	< 5	7	82	87										

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
B25506 Orig																							
B25506 Dup																							
B25509 Orig																							
B25509 Dup																							
B25515 Orig	< 5	0.01	25	790	< 2	0.41	< 5	< 10	160	< 5	23	117	117										
B25515 Dup	< 5	0.01	25	791	4	0.44	< 5	< 10	171	< 5	24	118	128										
Method Blank																							
Method Blank																							
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	1	< 5										
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	2	< 5										
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5										

Analyte Symbol	Ce	Sm
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	INAA	INAA
Oreas 72a (4 Acid) Meas		
Oreas 72a (4 Acid) Cert		
Oreas 72a (4 Acid) Meas		
Oreas 72a (4 Acid) Cert		
OREAS 98 (4 Acid) Meas		
OREAS 98 (4 Acid) Cert		
OREAS 98 (4 Acid) Meas		
OREAS 98 (4 Acid) Cert		
OREAS 904 (4 Acid) Meas		
OREAS 904 (4 Acid) Cert		
SBC-1 Meas		
SBC-1 Cert		
OREAS 96 (4 Acid) Meas		
OREAS 96 (4 Acid) Cert		
OREAS 96 (4 Acid) Meas		
OREAS 96 (4 Acid) Cert		
L-STD-9 Meas	2	0.1
L-STD-9 Cert	1.41	0.130
OREAS 238 (Fire Assay) Meas		
OREAS 238 (Fire Assay) Cert		
Oreas E1336 (Fire Assay) Meas		
Oreas E1336 (Fire Assay) Cert		
OREAS 681 (4 Acid) Meas		
OREAS 681 (4 Acid) Cert		
OREAS 247 (4 Acid) Meas		
OREAS 247 (4 Acid) Cert		
OREAS 620 (4 Acid) Meas		
OREAS 620 (4 Acid) Cert		
OREAS 620 (4 Acid) Meas		
OREAS 620 (4 Acid) Cert		
B25501 Orig		
B25501 Dup		

Analyte Symbol	Ce	Sm
Unit Symbol	ppm	ppm
Lower Limit	1	0.1
Method Code	INAA	INAA
B25506 Orig		
B25506 Dup		
B25509 Orig		
B25509 Dup		
B25515 Orig		
B25515 Dup		
Method Blank		
Method Blank		
Method Blank		
Method Blank		
Method Blank		

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-13024**
Report Date: **31-Oct-22**
Date Submitted: **12-Sep-22**
Your Reference: **ENA**

Emerald Geological Services
222 Emerald St
Timmins ON P4R 1N3
Canada

ATTN: Bruce MacLachlan

CERTIFICATE OF ANALYSIS

6 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-09-21 16:10:50
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-09-23 18:55:57
1F2-Tbay	QOP Total (Total Digestion ICPOES)	2022-10-28 09:54:25

REPORT **A22-13024**

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.

SCC Accredited LAB
LAB Accrédité CCN
TM

LabID: 673

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
E5830173	12	< 0.3	5.80	6	716	1	< 2	0.75	< 0.3	10	38	18	1.87	17	2.07	0.65	8	431	1	1.84	27	0.067	167
E5830174	95	0.8	2.06	< 3	133	< 1	< 2	0.24	< 0.3	2	26	14	1.11	5	0.31	0.24	3	138	76	1.12	9	0.027	42
E5830175	20	< 0.3	1.99	< 3	216	< 1	< 2	0.53	< 0.3	3	74	4	1.01	5	0.70	0.32	3	168	5	0.82	11	0.018	4
E5830176	2040	15.0	2.55	6	61	< 1	3	2.31	< 0.3	23	56	13	4.34	7	0.18	0.75	7	588	24	1.38	40	0.042	12
E5830177	2040	16.2	6.15	26	73	< 1	6	2.01	< 0.3	47	124	294	16.1	21	0.28	2.60	39	756	< 1	1.81	99	0.180	22
E5830178	> 5000	56.9	2.87	< 3	94	< 1	67	0.54	24.3	7	41	27	2.20	9	0.60	0.42	8	150	2	1.35	14	0.023	1970

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
E5830173	< 5	0.08	4	144	4	0.18	< 5	< 10	49	6	6	101	27	
E5830174	< 5	0.11	< 4	76	< 2	0.09	< 5	< 10	21	8	2	21	31	
E5830175	< 5	0.04	< 4	169	< 2	0.07	< 5	< 10	21	< 5	3	15	25	
E5830176	< 5	1.99	7	115	12	0.34	< 5	< 10	81	75	6	38	27	
E5830177	5	7.99	34	320	10	0.76	< 5	< 10	155	18	26	133	19	
E5830178	< 5	1.47	< 4	108	32	0.17	< 5	< 10	52	36	4	1120	53	5.25

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				< 3						146	189	334	9.93								6520		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
OREAS 98 (4 Acid) Meas		41.4					77			118		> 10000											312
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 98 (4 Acid) Meas		41.9					46			122		> 10000											324
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 904 (4 Acid) Meas		0.9	6.52	100	210	10	< 2	0.05		93	66	6090	6.85	17	3.00	0.59	16	451	2	0.04	45	0.103	13
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
OREAS 904 (4 Acid) Meas		0.4	6.38	86	219	10	< 2	0.05		91	61	6250	6.76	17	1.94	0.59	16	428	1	0.04	47	0.093	13
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
SBC-1 Meas				26	752	3	2		0.4	22	109	30		27			154		2		82		32
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
SBC-1 Meas				24	778	3	< 2		0.4	21	88	33		27			160		2		85		26
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
SBC-1 Meas				20	779	3	2		0.5	21	79	35		27			157		2		83		26
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
OREAS 96 (4 Acid) Meas		11.6					18			50		> 10000											98
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		11.5					11			49		> 10000											96
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		10.2					7			49		> 10000											90
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 923 (4 Acid) Meas		1.6	7.43	5	464	3	13	0.48	0.5	23	79	4530	6.77	19	2.22	1.80	31	976	< 1	0.33	38	0.065	76
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 923 (4 Acid) Meas		1.4	7.44	5	435	3	15	0.49	0.5	23	78	4520	6.72	21	1.86	1.81	31	994	< 1	0.33	34	0.065	76
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3100																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas E1336 (Fire Assay) Meas	508																						
Oreas E1336 (Fire Assay) Cert	510.000																						
OREAS 681 (4 Acid) Meas		< 0.3	7.73		399	1	3	5.55		49	1610	261	7.55	16	1.37	4.99	12	1240	1	1.50	448	0.130	11
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2
OREAS 681 (4 Acid) Meas		< 0.3	7.96		427	1	< 2	5.83		48	1600	281	8.01	16	1.36	5.37	12	1290	< 1	1.46	489	0.127	12
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2
OREAS 681 (4 Acid) Meas		< 0.3	7.94		428	1	< 2	5.96		49	1990	278	7.99	16	1.36	5.39	12	1320	< 1	1.49	504	0.140	5
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2
OREAS 247 (4 Acid) Meas		2.5	6.10	3350	564	3	< 2	0.88	< 0.3	13	91	40	3.27	18	2.34	1.24	29	381	< 1	0.48	47	0.047	30
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 247 (4 Acid) Meas		2.0	6.33	3160	564	3	< 2	0.89	0.5	14	102	44	3.39	16	2.08	1.31	32	387	< 1	0.51	54	0.044	33
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 247 (4 Acid) Meas		2.1	6.03	3030	500	3	< 2	0.87	0.4	13	104	41	3.31	17	1.59	1.28	32	384	< 1	0.49	50	0.045	29
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 620 (4 Acid) Meas		40.1	6.42	40	133	3	< 2	1.64	161	13	30	1720	2.92	23	2.28	0.34	18	420	8	1.81	17	0.036	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		40.5	7.16	45	144	3	< 2	1.72	166	14	27	1720	3.05	24	2.70	0.35	19	434	8	1.88	17	0.038	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		34.3	6.97	45	144	3	< 2	1.71	160	13	31	1780	3.04	25	1.27	0.36	19	425	8	1.82	16	0.036	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
E5830173 Orig	14																						
E5830173 Dup	11																						
E5830175 Orig		< 0.3	1.97	< 3	214	< 1	< 2	0.52	< 0.3	3	118	4	1.01	5	0.69	0.32	3	170	5	0.81	10	0.018	5
E5830175 Dup		< 0.3	2.01	< 3	218	< 1	< 2	0.53	< 0.3	3	29	4	1.02	5	0.71	0.32	4	167	6	0.83	11	0.018	4
Method Blank	5																						
Method Blank																							
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	3	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	8	< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5		< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	11	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	2	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
Oreas 72a (4 Acid) Meas		1.77												
Oreas 72a (4 Acid) Cert		1.74												
OREAS 98 (4 Acid) Meas	< 5	16.6										1320		
OREAS 98 (4 Acid) Cert	20.1	15.5										1360		
OREAS 98 (4 Acid) Meas	6	17.0										1340		
OREAS 98 (4 Acid) Cert	20.1	15.5										1360		
OREAS 904 (4 Acid) Meas	< 5	0.06	12	30			< 5	< 10	90	< 5	33	28	154	
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171	
OREAS 904 (4 Acid) Meas	< 5	0.06	12	30			< 5	< 10	82	< 5	34	26	45	
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171	
SBC-1 Meas	< 5		16	168		0.51	< 5	< 10	229	6	26	195	119	
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
SBC-1 Meas	< 5		18	185		0.51	< 5	< 10	221	6	27	187	111	
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
SBC-1 Meas	< 5		18	183		0.47	< 5	< 10	220	6	28	200	105	
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
OREAS 96 (4 Acid) Meas	< 5	4.45										455		
OREAS 96 (4 Acid) Cert	5.09	4.19										457		
OREAS 96 (4 Acid) Meas	< 5	4.47										454		
OREAS 96 (4 Acid) Cert	5.09	4.19										457		
OREAS 96 (4 Acid) Meas	< 5	4.61										450		
OREAS 96 (4 Acid) Cert	5.09	4.19										457		
OREAS 923 (4 Acid) Meas	8	0.75	13	45		0.43	< 5	< 10	97	10	26	354	132	
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	
OREAS 923 (4 Acid) Meas	< 5	0.74	13	45		0.43	< 5	< 10	99	12	26	366	135	
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	
OREAS 229b (Fire Assay) Meas														11.8
OREAS 229b (Fire Assay) Cert														11.95
OREAS 238 (Fire Assay) Meas														
OREAS 238 (Fire Assay) Cert														
OREAS 257b (Fire Assay) Meas														14.1
OREAS 257b														14.220

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
(Fire Assay) Cert														
Oreas E1336 (Fire Assay) Meas														
Oreas E1336 (Fire Assay) Cert														
OREAS 681 (4 Acid) Meas	< 5	0.10	25	449		0.55		< 10	236	< 5	15	78	57	
OREAS 681 (4 Acid) Cert	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas	9	0.10	26	444		0.42		< 10	212	< 5	16	81	49	
OREAS 681 (4 Acid) Cert	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas	< 5	0.10	26	448		0.58		< 10	251	< 5	16	84	67	
OREAS 681 (4 Acid) Cert	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 247 (4 Acid) Meas	371	0.73	12	98		0.37	< 5	< 10	72	< 5	18	87	120	
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 247 (4 Acid) Meas	332	0.73	12	104		0.36	< 5	< 10	73	< 5	18	90	128	
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 247 (4 Acid) Meas	242	0.72	11	101		0.34	< 5	< 10	74	< 5	17	87	143	
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 620 (4 Acid) Meas	12	2.51	5	113		0.16	< 5	< 10	23	< 5	13	> 10000	212	
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202	
OREAS 620 (4 Acid) Meas	15	2.58	6	123		0.16	< 5	< 10	24	< 5	14	> 10000	215	
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202	
OREAS 620 (4 Acid) Meas	13	2.61	5	123		0.17	< 5	< 10	23	< 5	13	> 10000	209	
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202	
E5830173 Orig														
E5830173 Dup														
E5830175 Orig	< 5	0.04	< 4	167	< 2	0.07	< 5	< 10	21	< 5	3	15	26	
E5830175 Dup	< 5	0.04	< 4	171	< 2	0.07	< 5	< 10	21	< 5	3	15	25	
Method Blank														
Method Blank														< 0.02
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	

Quality Analysis ... *Innovative Technologies*

Report No.: **A22-07719**
Report Date: **18-Aug-22**
Date Submitted: **08-Jun-22**
Your Reference: **ENA**

Emerald Geological Services
222 Emerald St
Timmins ON P4R 1N3
Canada

ATTN: Bruce MacLachlan

CERTIFICATE OF ANALYSIS

77 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-06-28 10:31:11
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-06-30 11:22:07
1F2-Tbay	QOP Total (Total Digestion ICPOES)	2022-08-04 12:09:45

REPORT **A22-07719**

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.

SCC Accredited LAB LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
697901	122	0.4	6.45	< 3	123	< 1	< 2	6.58	0.4	28	252	128	14.6	14	0.58	4.48	12	4380	< 1	0.84	85	0.023	< 3
697902	38	0.3	6.07	3	64	< 1	< 2	9.00	< 0.3	32	194	318	15.8	13	0.20	3.87	3	4600	< 1	0.56	74	0.026	< 3
697903	28	< 0.3	7.51	4	16	< 1	< 2	10.9	< 0.3	44	199	151	7.04	16	0.10	2.21	15	2000	< 1	0.18	138	0.029	< 3
697904	14	0.4	5.74	5	86	< 1	< 2	6.57	< 0.3	36	159	527	14.1	15	0.23	4.12	16	3070	< 1	0.58	86	0.025	10
697905	7	0.4	6.57	9	136	< 1	< 2	6.93	< 0.3	68	196	527	12.4	14	0.63	3.98	12	2460	< 1	1.09	129	0.025	< 3
697906	6	< 0.3	6.40	< 3	65	< 1	2	7.27	0.4	48	115	112	12.2	18	0.16	3.47	10	2040	< 1	1.43	120	0.115	< 3
697907	54	0.4	3.46	3	25	< 1	< 2	11.4	< 0.3	49	65	404	11.4	13	0.10	2.32	12	2430	< 1	0.22	70	0.070	< 3
697908	7	< 0.3	2.72	< 3	7	1	< 2	23.7	0.4	8	55	38	2.98	10	0.02	0.74	3	1370	< 1	0.06	18	0.016	< 3
697909	6	0.6	8.66	< 3	361	< 1	< 2	2.68	7.0	16	43	122	5.40	21	0.89	1.90	26	578	< 1	3.29	31	0.065	5
697910	< 5	< 0.3	6.79	< 3	165	< 1	< 2	5.39	0.3	49	205	51	9.75	15	1.04	4.77	20	1550	< 1	0.51	199	0.102	< 3
697911	202	10.9	0.72	< 3	69	< 1	125	0.45	< 0.3	8	58	50	1.66	2	0.06	0.32	4	196	14	0.29	19	0.010	140
697912	158	6.0	3.06	< 3	125	< 1	6	0.86	< 0.3	7	50	16	1.64	6	0.45	0.39	5	174	3	1.68	14	0.027	41
697913	161	4.4	0.62	< 3	60	< 1	10	0.27	< 0.3	4	69	16	1.53	2	0.05	0.32	5	204	77	0.24	16	0.010	22
697914	5	0.4	8.51	3	151	< 1	< 2	6.24	< 0.3	74	122	112	7.69	23	0.67	1.48	23	1870	< 1	1.42	200	0.146	< 3
697915	350	0.6	7.25	173	330	< 1	< 2	5.63	< 0.3	39	152	110	8.44	18	0.93	3.92	9	1430	4	2.35	137	0.157	< 3
697916	< 5	< 0.3	6.73	11	20	< 1	< 2	6.10	< 0.3	48	111	88	11.1	19	0.02	3.51	26	1300	< 1	1.65	126	0.109	< 3
697917	< 5	0.4	6.70	3	196	< 1	< 2	5.40	< 0.3	41	88	152	10.7	17	0.50	2.79	15	2460	5	2.33	69	0.050	< 3
697918	7	< 0.3	7.05	4	13	< 1	< 2	10.7	< 0.3	44	75	159	9.88	21	0.13	3.46	41	1190	< 1	0.37	61	0.039	< 3
697919	< 5	< 0.3	7.17	6	118	< 1	< 2	7.13	< 0.3	41	75	173	11.8	20	0.34	3.20	15	2110	< 1	1.59	66	0.040	< 3
697920	8	1.0	6.60	6	111	< 1	< 2	2.34	1.3	61	25	633	11.7	21	0.59	3.59	17	1670	< 1	2.74	38	0.085	66
697921	< 5	0.5	8.32	< 3	329	< 1	< 2	1.87	< 0.3	3	31	102	4.54	19	1.33	1.32	21	229	< 1	3.05	8	0.064	< 3
697922	1700	16.4	1.63	< 3	48	< 1	15	0.29	2.8	2	16	9	1.12	4	0.35	0.19	3	110	1	0.66	5	0.011	360
697923	672	3.6	0.85	< 3	34	< 1	4	0.30	< 0.3	2	13	4	0.80	2	0.22	0.09	2	105	1	0.29	4	0.006	140
697924	1260	9.4	5.79	< 3	200	< 1	6	1.63	< 0.3	10	33	87	2.74	12	1.30	0.94	13	289	< 1	2.16	23	0.044	211
697925	> 5000	83.4	2.58	< 3	74	< 1	127	0.40	26.1	4	23	36	1.92	6	0.53	0.35	6	124	2	1.04	12	0.016	2840
697926	859	4.6	7.06	< 3	271	1	< 2	2.48	0.3	14	34	214	4.06	17	1.90	1.62	23	445	< 1	2.32	30	0.072	27
697927	463	3.1	5.96	4	214	< 1	< 2	0.63	0.4	9	29	35	2.60	13	1.43	0.83	13	250	< 1	2.14	20	0.029	39
697928	< 5	0.5	8.14	< 3	98	< 1	4	4.81	< 0.3	62	164	76	5.97	25	0.90	1.00	26	1680	< 1	2.20	232	0.102	< 3
697929	< 5	0.6	9.10	5	221	< 1	< 2	7.33	< 0.3	110	162	199	9.18	26	1.13	1.44	20	2440	< 1	0.77	180	0.061	< 3
697930	370	2.9	1.37	3	56	< 1	< 2	0.67	< 0.3	3	16	5	1.22	3	0.22	0.19	2	201	3	0.68	8	0.018	< 3
697931	< 5	0.5	7.34	< 3	848	1	< 2	2.25	< 0.3	9	19	22	2.38	18	1.69	0.88	7	371	< 1	3.31	19	0.079	6
697932	< 5	0.4	6.40	< 3	106	< 1	< 2	5.80	< 0.3	42	30	367	11.5	19	0.67	2.39	8	1910	< 1	1.52	19	0.054	< 3
697933	7	0.4	7.77	< 3	371	1	< 2	1.86	< 0.3	15	31	172	4.40	19	0.87	0.92	15	440	8	3.44	26	0.082	< 3
697934	8	0.5	5.48	< 3	138	< 1	< 2	4.41	< 0.3	86	18	295	12.6	16	0.46	2.38	8	1780	< 1	2.27	33	0.043	< 3
697935	< 5	0.5	4.89	< 3	328	< 1	< 2	3.15	0.4	41	20	71	20.0	18	2.28	5.19	41	2400	< 1	0.66	35	0.044	< 3
697936	22	0.4	6.56	< 3	87	1	< 2	4.41	< 0.3	15	25	94	10.8	18	0.21	2.15	3	1450	< 1	3.61	25	0.047	< 3
697937	< 5	0.5	6.24	< 3	124	< 1	< 2	0.76	1.0	25	24	120	6.73	19	0.58	1.34	16	501	2	1.69	43	0.067	8
697938	< 5	< 0.3	1.08	< 3	8	< 1	< 2	9.91	< 0.3	8	22	78	6.31	3	< 0.01	0.25	< 1	3520	< 1	0.02	9	0.022	< 3
697939	< 5	< 0.3	9.16	< 3	261	< 1	< 2	3.13	0.7	17	32	37	4.51	23	0.53	1.64	24	739	< 1	3.36	31	0.058	3
697940	< 5	< 0.3	7.68	6	107	< 1	< 2	7.25	0.4	51	63	398	9.17	20	0.20	2.75	4	1550	< 1	1.65	72	0.043	3
697851	29	0.4	8.97	< 3	997	< 1	< 2	0.67	1.8	27	286	563	8.25	25	4.19	0.88	19	448	7	1.19	41	0.031	11
697852	< 5	< 0.3	6.80	< 3	198	< 1	< 2	5.59	0.6	68	200	399	14.1	18	0.44	3.93	21	2450	< 1	0.99	137	0.027	15
697853	< 5	< 0.3	6.41	< 3	57	< 1	< 2	4.78	0.7	86	238	582	18.4	18	0.41	3.49	34	2740	< 1	1.00	190	0.023	12
697854	< 5	< 0.3	5.88	5	27	< 1	6	7.12	0.3	48	123	113	11.3	19	0.10	3.07	21	2270	< 1	1.05	113	0.125	5
697855	336	2.8	2.29	< 3	146	< 1	5	0.42	< 0.3	4	92	13	1.24	6	0.36	0.29	4	158	30	1.24	10	0.034	102
697856	473	9.5	3.54	< 3	272	1	24	0.65	< 0.3	10	28	41	1.98	8	0.61	0.40	6	208	12	1.88	22	0.042	132
697857	6	0.4	7.92	< 3	313	< 1	< 2	2.43	< 0.3	15	38	21	4.08	20	1.99	1.59	21	587	1	2.16	32	0.065	9
697858	< 5	< 0.3	1.52	3	248	< 1	< 2	0.32	< 0.3	2	22	2	0.96	5	0.64	0.23	2	207	4	0.60	9	0.015	< 3
697859	< 5	< 0.3	5.76	< 3	202	< 1	< 2	2.74	3.8	80	7	261	11.0	22	0.58	1.16	19	1390	< 1	1.25	4	0.163	5
697860	< 5	< 0.3	6.51	< 3	251	< 1	< 2	5.21	< 0.3	68	60	133	9.32	18	0.58	3.41	32	1440	1	0.72	68	0.038	4
697861	9	< 0.3	3.77	< 3	18	< 1	< 2	6.93	0.8	55	91	626	21.4	13	0.07	3.81	4	6860	< 1	0.25	106	0.018	7

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
697862	< 5	< 0.3	7.50	< 3	31	< 1	< 2	5.48	0.4	43	52	75	9.56	18	0.24	3.71	6	1330	< 1	2.63	53	0.045	< 3
697863	< 5	< 0.3	7.43	6	106	< 1	2	5.25	0.6	45	49	98	9.96	20	0.69	3.59	24	1560	< 1	2.14	55	0.042	< 3
697864	341	< 0.3	7.51	189	335	< 1	4	5.50	< 0.3	36	190	100	8.00	19	0.86	3.76	8	1410	4	2.10	131	0.155	17
697865	< 5	< 0.3	5.84	< 3	421	< 1	< 2	4.10	0.8	34	16	146	10.1	20	1.08	0.95	10	1290	< 1	1.45	12	0.078	130
697866	< 5	< 0.3	7.89	< 3	< 7	< 1	< 2	8.48	< 0.3	35	58	139	9.51	32	< 0.01	2.57	29	882	< 1	0.09	56	0.037	5
697867	< 5	0.4	8.28	< 3	422	< 1	< 2	2.44	< 0.3	14	37	55	4.93	20	1.00	1.40	20	508	< 1	2.73	31	0.067	< 3
697868	< 5	< 0.3	7.68	< 3	289	< 1	< 2	1.22	< 0.3	5	33	40	4.37	19	0.84	1.25	13	244	< 1	2.83	7	0.054	< 3
697869	< 5	< 0.3	8.49	< 3	302	< 1	< 2	1.42	< 0.3	11	38	42	4.80	21	0.98	1.57	21	501	< 1	3.05	23	0.059	6
697870	< 5	0.5	7.47	< 3	722	< 1	< 2	1.61	0.8	14	39	43	3.74	17	1.60	1.36	10	609	< 1	3.63	28	0.056	< 3
697871	11	0.5	7.86	< 3	756	< 1	< 2	1.74	< 0.3	10	25	27	2.32	19	1.60	0.64	11	367	2	4.13	18	0.049	17
697872	< 5	< 0.3	8.90	6	428	< 1	< 2	3.66	< 0.3	12	38	17	3.35	21	1.62	1.28	18	573	< 1	2.16	30	0.058	4
697873	486	1.2	7.99	< 3	209	< 1	< 2	0.83	< 0.3	13	33	62	6.01	22	1.53	1.33	17	368	< 1	2.32	27	0.051	5
697874	< 5	0.4	8.24	5	> 1000	< 1	< 2	0.33	0.4	18	35	5	5.16	25	0.64	0.57	18	654	3	0.02	58	0.059	7
697875	< 5	< 0.3	6.60	< 3	162	< 1	< 2	0.95	< 0.3	16	24	12	3.89	15	0.46	0.21	8	836	5	0.02	65	0.034	< 3
697876	< 5	< 0.3	6.75	< 3	96	< 1	2	7.10	0.4	31	41	279	9.96	22	0.53	1.82	4	1820	< 1	1.21	23	0.058	3
697877	5	< 0.3	6.56	< 3	69	< 1	< 2	6.14	< 0.3	35	26	617	10.2	21	0.42	2.43	6	1650	1	1.57	23	0.051	< 3
697878	21	< 0.3	5.65	< 3	159	< 1	< 2	4.75	0.4	76	22	239	12.3	19	0.63	2.17	5	1670	2	2.04	18	0.049	5
697879	17	< 0.3	7.33	3	378	< 1	3	8.04	< 0.3	11	20	59	6.36	19	0.44	2.83	5	1810	< 1	2.91	12	0.055	< 3
697880	5	< 0.3	5.77	< 3	144	< 1	2	4.72	0.5	37	26	106	15.1	21	0.52	3.25	13	2070	< 1	1.66	25	0.049	3
697881	14	1.3	7.39	14	161	1	< 2	2.58	< 0.3	10	9	41	7.45	26	0.65	1.21	14	1240	3	2.51	2	0.166	3
697882	9	< 0.3	4.92	< 3	30	< 1	< 2	4.02	0.6	28	44	38	6.37	14	0.12	2.19	13	1070	< 1	1.00	44	0.027	< 3
697883	< 5	< 0.3	6.66	4	41	< 1	< 2	7.12	0.3	40	47	89	8.77	16	0.17	2.73	19	1270	< 1	1.49	58	0.031	6
697884	< 5	< 0.3	8.61	< 3	115	< 1	< 2	6.41	< 0.3	70	119	137	8.94	21	0.47	1.25	13	2010	< 1	1.15	148	0.120	< 3
697885	< 5	< 0.3	9.36	< 3	214	< 1	< 2	8.44	0.6	61	124	92	7.62	29	0.81	1.29	28	2330	< 1	0.97	186	0.089	< 3
697886	< 5	< 0.3	9.37	< 3	202	< 1	< 2	5.58	0.5	41	151	78	9.99	26	1.45	1.65	27	2120	< 1	1.01	167	0.079	3
697887	< 5	< 0.3	6.99	< 3	782	< 1	< 2	1.67	< 0.3	4	27	15	2.51	12	1.55	0.50	2	681	5	2.92	11	0.038	< 3

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
697901	< 5	0.07	30	50	4	0.40	< 5	< 10	206	< 5	15	151	38	
697902	< 5	0.32	29	57	4	0.36	< 5	< 10	195	< 5	17	99	38	
697903	< 5	0.27	34	47	6	0.18	< 5	< 10	139	< 5	17	72	20	
697904	< 5	1.11	32	94	11	0.41	< 5	< 10	237	< 5	14	145	43	
697905	< 5	2.18	33	168	11	0.44	< 5	< 10	230	< 5	16	117	42	
697906	< 5	0.13	29	243	3	0.20	< 5	< 10	77	< 5	29	208	10	
697907	< 5	0.56	12	104	20	0.51	< 5	< 10	118	7	17	120	27	
697908	< 5	0.03	< 4	91	< 2	0.10	< 5	< 10	32	< 5	8	202	6	
697909	< 5	0.96	9	404	20	0.36	< 5	< 10	80	< 5	8	4010	114	
697910	< 5	0.07	30	150	20	0.13	< 5	< 10	70	< 5	23	122	6	
697911	< 5	0.44	< 4	27	8	0.04	< 5	< 10	16	< 5	1	24	12	
697912	< 5	0.85	< 4	109	4	0.07	< 5	< 10	23	7	4	29	49	
697913	< 5	0.36	< 4	26	5	0.04	< 5	< 10	14	< 5	< 1	25	10	
697914	< 5	0.86	25	238	15	0.70	< 5	< 10	116	< 5	24	130	64	
697915	< 5	0.26	19	382	10	0.89	< 5	< 10	136	< 5	22	102	119	
697916	< 5	0.13	29	180	6	0.22	< 5	< 10	96	< 5	26	119	12	
697917	< 5	0.40	35	282	8	0.78	< 5	< 10	309	< 5	22	109	75	
697918	< 5	0.06	37	383	15	0.36	< 5	< 10	237	< 5	26	75	38	
697919	< 5	0.51	40	540	8	0.40	< 5	< 10	248	< 5	30	99	51	
697920	8	0.67	36	232	6	0.39	< 5	< 10	129	< 5	51	316	137	
697921	< 5	0.27	9	283	< 2	0.22	< 5	< 10	51	< 5	7	18	84	
697922	< 5	0.50	< 4	49	15	0.09	< 5	< 10	34	13	2	139	26	
697923	< 5	0.36	< 4	27	2	0.05	< 5	< 10	17	27	< 1	9	13	
697924	< 5	0.87	7	180	9	0.28	< 5	< 10	73	21	7	48	83	
697925	< 5	1.12	< 4	79	43	0.14	< 5	< 10	48	17	2	1350	42	7.04
697926	< 5	1.49	10	237	8	0.42	< 5	< 10	105	35	11	90	125	
697927	< 5	0.86	7	181	4	0.29	< 5	< 10	69	18	6	72	81	
697928	< 5	0.26	25	231	10	1.01	< 5	< 10	267	< 5	13	82	114	
697929	< 5	1.33	34	285	18	0.64	< 5	< 10	184	< 5	19	66	65	
697930	< 5	0.21	< 4	45	< 2	0.04	< 5	< 10	18	< 5	2	16	13	
697931	< 5	0.11	5	1010	< 2	0.21	< 5	< 10	50	< 5	6	53	109	
697932	< 5	1.99	36	166	6	0.40	< 5	< 10	197	< 5	38	68	45	
697933	< 5	1.04	5	789	< 2	0.22	< 5	< 10	62	< 5	6	33	122	
697934	< 5	4.19	31	333	3	0.54	< 5	< 10	205	< 5	33	68	83	
697935	< 5	0.80	34	62	4	0.64	< 5	< 10	267	10	45	157	98	
697936	< 5	2.55	35	548	3	0.39	< 5	< 10	154	< 5	36	41	68	
697937	< 5	1.01	9	126	5	0.32	< 5	< 10	78	5	10	344	110	
697938	< 5	0.02	4	48	11	0.16	< 5	< 10	37	< 5	8	76	13	
697939	< 5	0.13	10	337	6	0.18	< 5	< 10	52	< 5	10	102	84	
697940	6	0.47	41	117	19	0.53	< 5	< 10	257	< 5	26	101	47	
697851	< 5	0.42	39	54	11	0.54	< 5	< 10	253	9	8	451	90	
697852	< 5	1.98	34	119	< 2	0.45	< 5	< 10	255	< 5	15	129	42	
697853	< 5	5.92	32	97	11	0.41	< 5	< 10	231	< 5	17	133	39	
697854	< 5	0.27	26	245	8	1.05	< 5	< 10	230	< 5	22	115	40	
697855	< 5	0.21	< 4	90	4	0.09	< 5	< 10	22	10	3	25	24	
697856	< 5	0.77	< 4	168	9	0.11	< 5	< 10	30	13	4	30	54	
697857	6	0.73	8	206	10	0.37	< 5	< 10	74	< 5	8	82	111	
697858	< 5	< 0.01	< 4	207	< 2	0.05	< 5	< 10	14	< 5	2	16	5	
697859	< 5	1.96	34	196	5	0.57	< 5	< 10	57	6	50	682	105	
697860	< 5	1.82	42	111	4	0.58	< 5	< 10	305	< 5	22	111	61	

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
697861	< 5	3.72	15	32	9	0.22	< 5	< 10	106	< 5	11	289	39	
697862	< 5	0.12	41	90	4	0.69	< 5	< 10	296	< 5	27	42	56	
697863	< 5	0.08	41	250	10	0.33	< 5	< 10	188	< 5	28	108	35	
697864	< 5	0.25	18	399	7	0.94	< 5	< 10	149	< 5	20	103	117	
697865	< 5	0.30	30	117	< 2	0.23	< 5	< 10	71	< 5	46	183	58	
697866	< 5	0.02	39	571	< 2	0.30	< 5	< 10	221	< 5	27	70	31	
697867	< 5	0.18	10	350	< 2	0.24	< 5	< 10	66	< 5	10	67	86	
697868	< 5	0.18	8	252	< 2	0.37	< 5	< 10	72	< 5	6	21	120	
697869	< 5	0.55	9	387	5	0.40	< 5	< 10	83	< 5	7	64	113	
697870	< 5	0.32	9	251	< 2	0.39	< 5	< 10	78	8	7	451	96	
697871	< 5	0.19	7	198	< 2	0.28	< 5	< 10	54	< 5	7	49	107	
697872	< 5	0.10	9	279	13	0.13	< 5	< 10	38	< 5	9	73	70	
697873	< 5	1.40	10	221	4	0.40	< 5	< 10	90	13	8	35	110	
697874	< 5	0.06	4	76	7	0.19	< 5	< 10	43	< 5	8	101	122	
697875	< 5	< 0.01	5	17	< 2	0.19	< 5	< 10	62	6	13	108	18	
697876	< 5	0.94	37	179	4	0.43	< 5	< 10	202	< 5	35	77	52	
697877	< 5	1.30	36	147	9	0.55	< 5	< 10	254	8	34	75	70	
697878	< 5	2.63	33	392	< 2	0.54	< 5	< 10	237	< 5	29	55	77	
697879	< 5	1.22	33	751	4	0.47	< 5	< 10	85	< 5	27	38	40	
697880	< 5	1.03	36	198	17	0.55	< 5	< 10	282	< 5	38	79	84	
697881	< 5	0.24	20	208	13	0.59	< 5	< 10	15	< 5	56	165	455	
697882	< 5	0.04	25	110	6	0.28	< 5	< 10	145	< 5	17	77	17	
697883	< 5	0.09	37	84	< 2	0.27	< 5	< 10	179	< 5	22	80	31	
697884	< 5	2.28	24	262	11	0.58	< 5	< 10	101	< 5	19	131	40	
697885	< 5	0.79	28	347	< 2	0.48	< 5	< 10	95	7	20	340	35	
697886	< 5	2.07	28	230	5	0.61	< 5	< 10	123	6	14	208	42	
697887	< 5	0.04	6	188	< 2	0.21	< 5	< 10	34	< 5	15	37	63	

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				< 3						154	209	307	9.53								6870		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
Oreas 72a (4 Acid) Meas				< 3						141	167	291	9.34								6270		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
Oreas 72a (4 Acid) Meas				< 3						135	157	279	8.65								6000		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
OREAS 98 (4 Acid) Meas		43.4					14			122		> 10000											313
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 98 (4 Acid) Meas		42.1					90			118		> 10000											307
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 904 (4 Acid) Meas		0.5	6.53	97	204	9	< 2	0.05		88	59	5790	6.56	18	2.98	0.58	16	438	4	0.04	44	0.098	14
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
OREAS 904 (4 Acid) Meas		0.5	6.65	91	206	9	6	0.05		91	56	6010	6.41	16	3.44	0.56	15	439	< 1	0.03	48	0.093	7
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
SBC-1 Meas				23	671	3	< 2		0.5	22	97	31		27			160		1		83		27
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
SBC-1 Meas				29	660	3	< 2		0.4	23	88	27		27			173		2		92		28
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
SBC-1 Meas				28	568	3	< 2		0.4	22	84	30		26			161		2		87		26
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
SBC-1 Meas												28											
SBC-1 Cert												31.0											
OREAS 96 (4 Acid) Meas		11.2					24			48		> 10000											90
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		11.2					10			49		> 10000											94
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		11.1					< 2			50		> 10000											87
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 923 (4 Acid) Meas		1.8	7.43	6	455	2	21	0.49	0.5	23	77	4210	6.43	21	2.68	1.77	31	1000	< 1	0.32	38	0.067	82
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 923 (4 Acid) Meas		1.8	7.76	11	463	3	19	0.52	0.4	24	80	4640	6.76	20	2.82	1.82	32	1020	< 1	0.34	40	0.069	79
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 923 (4		2.1	7.85	4	469	3	23	0.53	0.5	25	81	4640	6.99	22	2.58	1.89	33	1070	< 1	0.35	43	0.071	91

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Acid) Meas																							
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3060																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	514																						
Oreas E1336 (Fire Assay) Cert	510.000																						
Oreas E1336 (Fire Assay) Meas	522																						
Oreas E1336 (Fire Assay) Cert	510.000																						
Oreas E1336 (Fire Assay) Meas	513																						
Oreas E1336 (Fire Assay) Cert	510.000																						
OREAS 681 (4 Acid) Meas		< 0.3	8.28		440	1	< 2	5.92		47	1700	265	7.64	17	1.43	5.34	13	1310	< 1	1.61	485	0.145	10
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2
OREAS 681 (4 Acid) Meas		< 0.3	7.44		402	1	< 2	5.61		47	1720	253	7.31	15	1.42	4.95	13	1240	< 1	1.57	471	0.132	6
OREAS 681 (4 Acid) Cert		0.118	7.91		442	1.41	0.0980	5.98		51.0	1640	264	7.47	17.6	1.35	5.19	13.0	1310	1.38	1.61	503	0.141	10.2
OREAS 681 (4 Acid) Meas												256											
OREAS 681 (4 Acid) Cert												264											
OREAS 247 (4 Acid) Meas		2.0	6.27	3310	478	2	< 2	0.87	0.7	13	96	38	3.24	17	2.14	1.27	31	388	< 1	0.47	49	0.045	30
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 247 (4 Acid) Meas		2.4	6.30	3250	516	2	< 2	0.86	< 0.3	12	93	39	3.08	15	2.39	1.18	29	382	< 1	0.45	47	0.045	27
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 247 (4 Acid) Meas		2.3	6.44	3150	537	2	< 2	0.86	0.6	12	102	39	3.07	16	2.08	1.18	29	384	< 1	0.44	47	0.041	30
OREAS 247 (4		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Acid) Cert																							
OREAS 620 (4 Acid) Meas		39.8	7.39	46	99	3	< 2	1.75	168	14	25	1870	3.07	23	2.28	0.37	20	463	10	1.97	18	0.039	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2500	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		36.9	6.84	47	102	2	< 2	1.64	155	14	21	1720	2.81	22	2.25	0.34	18	395	9	1.81	15	0.036	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		40.2	7.39	44	124	3	< 2	1.74	167	13	23	1670	2.93	24	2.87	0.35	19	439	10	1.90	16	0.036	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas												1690											
OREAS 620 (4 Acid) Cert												1730											
697905 Orig	7																						
697905 Dup	6																						
697913 Orig		4.0	0.61	< 3	60	< 1	10	0.27	< 0.3	4	66	17	1.54	2	0.05	0.32	5	208	77	0.24	16	0.010	21
697913 Dup		4.8	0.62	< 3	60	< 1	10	0.27	< 0.3	4	73	16	1.52	2	0.05	0.32	5	200	76	0.24	17	0.010	23
697920 Orig	6																						
697920 Dup	9																						
697929 Orig	< 5																						
697929 Dup	< 5																						
697932 Orig	< 5	0.3	6.21	< 3	104	< 1	2	5.63	< 0.3	40	27	353	11.0	19	0.64	2.30	8	1860	< 1	1.47	18	0.051	< 3
697932 Dup	< 5	0.4	6.58	< 3	109	< 1	< 2	5.96	< 0.3	43	32	380	11.9	19	0.69	2.49	8	1970	< 1	1.58	19	0.057	< 3
697860 Orig	< 5	< 0.3	6.51	< 3	251	< 1	< 2	5.21	< 0.3	68	60	133	9.32	18	0.58	3.41	32	1440	1	0.72	68	0.038	4
697860 Split PREP DUP	< 5	< 0.3	6.44	9	236	< 1	< 2	5.12	0.5	70	66	132	9.23	18	0.57	3.38	33	1400	1	0.70	65	0.038	< 3
697865 Orig		< 0.3	5.81	< 3	418	< 1	< 2	4.07	0.8	34	18	143	10.0	21	1.07	0.94	10	1290	2	1.43	13	0.079	130
697865 Dup		< 0.3	5.87	4	424	< 1	< 2	4.14	0.8	35	15	148	10.2	18	1.10	0.95	10	1290	< 1	1.46	11	0.078	130
697867 Orig	< 5																						
697867 Dup	< 5																						
697878 Orig		< 0.3	5.60	< 3	158	< 1	< 2	4.72	0.3	76	23	237	12.2	19	0.62	2.15	5	1660	2	2.04	18	0.048	3
697878 Dup		< 0.3	5.70	4	161	< 1	3	4.79	0.5	77	22	241	12.4	19	0.63	2.19	5	1680	1	2.05	18	0.049	6
697882 Orig	6																						
697882 Dup	11																						
697886 Orig	< 5	< 0.3	9.37	< 3	202	< 1	< 2	5.58	0.5	41	151	78	9.99	26	1.45	1.65	27	2120	< 1	1.01	167	0.079	3
697886 Split PREP DUP	< 5	< 0.3	7.08	< 3	178	< 1	3	5.44	0.6	41	165	80	9.90	25	1.29	1.46	26	2210	< 1	1.01	170	0.084	< 3
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank																							
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	10	1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	7	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1	10	< 1	< 0.01	< 1	< 0.001	< 3

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	2	< 0.001	< 3

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
Oreas 72a (4 Acid) Meas		1.64												
Oreas 72a (4 Acid) Cert		1.74												
Oreas 72a (4 Acid) Meas		1.59												
Oreas 72a (4 Acid) Cert		1.74												
Oreas 72a (4 Acid) Meas		1.53												
Oreas 72a (4 Acid) Cert		1.74												
OREAS 98 (4 Acid) Meas	9	15.7										1350		
OREAS 98 (4 Acid) Cert	20.1	15.5										1360		
OREAS 98 (4 Acid) Meas	< 5	15.5										1310		
OREAS 98 (4 Acid) Cert	20.1	15.5										1360		
OREAS 904 (4 Acid) Meas	< 5	0.06	11	30			< 5	< 10	85	< 5	32	28	34	
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171	
OREAS 904 (4 Acid) Meas	< 5	0.06	11	30			< 5	< 10	72	< 5	34	28	55	
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171	
SBC-1 Meas	< 5		19	192		0.54	< 5	< 10	224	5	29	193	107	
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
SBC-1 Meas	< 5		20	187		0.52	< 5	< 10	227	< 5	34	206	123	
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
SBC-1 Meas	< 5		19	180		0.49	< 5	< 10	219	< 5	33	192	119	
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0	
SBC-1 Meas														
SBC-1 Cert														
OREAS 96 (4 Acid) Meas	7	4.15										445		
OREAS 96 (4 Acid) Cert	5.09	4.19										457		
OREAS 96 (4 Acid) Meas	< 5	4.16										453		
OREAS 96 (4 Acid) Cert	5.09	4.19										457		
OREAS 96 (4 Acid) Meas	< 5	4.24										462		
OREAS 96 (4 Acid) Cert	5.09	4.19										457		
OREAS 923 (4 Acid) Meas	< 5	0.69	12	46		0.45	< 5	< 10	98	10	25	364	123	
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	
OREAS 923 (4 Acid) Meas	< 5	0.73	13	47		0.44	< 5	< 10	102	8	29	384	136	
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
OREAS 923 (4 Acid) Meas	< 5	0.74	14	47		0.45	< 5	< 10	106	8	29	397	139	
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116	
OREAS 229b (Fire Assay) Meas														11.9
OREAS 229b (Fire Assay) Cert														11.95
OREAS 238 (Fire Assay) Meas														
OREAS 238 (Fire Assay) Cert														
OREAS 238 (Fire Assay) Meas														
OREAS 238 (Fire Assay) Cert														
OREAS 238 (Fire Assay) Meas														
OREAS 238 (Fire Assay) Cert														
OREAS 257b (Fire Assay) Meas														13.5
OREAS 257b (Fire Assay) Cert														14.220
Oreas E1336 (Fire Assay) Meas														
Oreas E1336 (Fire Assay) Cert														
Oreas E1336 (Fire Assay) Meas														
Oreas E1336 (Fire Assay) Cert														
Oreas E1336 (Fire Assay) Meas														
Oreas E1336 (Fire Assay) Cert														
OREAS 681 (4 Acid) Meas	< 5	0.10	26	485		0.62		< 10	253	< 5	16	82	57	
OREAS 681 (4 Acid) Cert	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas	< 5	0.10	25	430		0.53		< 10	232	< 5	16	77	58	
OREAS 681 (4 Acid) Cert	0.240	0.109	27.7	478		0.588		1.44	253	1.09	17.5	88.0	58.0	
OREAS 681 (4 Acid) Meas														
OREAS 681 (4 Acid) Cert														
OREAS 247 (4 Acid) Meas	303	0.68	12	104		0.36	< 5	< 10	70	< 5	17	88	124	
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 247 (4 Acid) Meas	231	0.68	12	101		0.33	< 5	< 10	69	< 5	19	90	126	
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 247 (4 Acid) Meas	245	0.64	12	99		0.31	< 5	< 10	73	< 5	19	85	133	

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125	
OREAS 620 (4 Acid) Meas	23	2.45	5	121		0.18	< 5	< 10	23	< 5	13	> 10000	208	
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202	
OREAS 620 (4 Acid) Meas	17	2.24	5	122		0.18	5	< 10	22	< 5	13	> 10000	193	
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202	
OREAS 620 (4 Acid) Meas	14	2.46	6	123		0.16	< 5	< 10	24	< 5	15	> 10000	221	
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202	
OREAS 620 (4 Acid) Meas														
OREAS 620 (4 Acid) Cert														
697905 Orig														
697905 Dup														
697913 Orig	< 5	0.37	< 4	27	5	0.04	< 5	< 10	14	< 5	< 1	25	10	
697913 Dup	< 5	0.36	< 4	26	5	0.03	< 5	< 10	14	< 5	< 1	25	10	
697920 Orig														
697920 Dup														
697929 Orig														
697929 Dup														
697932 Orig	< 5	1.92	35	163	8	0.37	< 5	< 10	193	< 5	37	66	44	
697932 Dup	< 5	2.06	37	168	5	0.43	< 5	< 10	201	< 5	39	71	46	
697860 Orig	< 5	1.82	42	111	4	0.58	< 5	< 10	305	< 5	22	111	61	
697860 Split PREP DUP	< 5	1.88	42	110	12	0.59	< 5	< 10	303	< 5	21	109	57	
697865 Orig	< 5	0.30	30	115	< 2	0.29	< 5	< 10	82	< 5	45	181	76	
697865 Dup	< 5	0.30	31	119	< 2	0.17	< 5	< 10	59	< 5	46	185	39	
697867 Orig														
697867 Dup														
697878 Orig	< 5	2.61	33	388	< 2	0.53	< 5	< 10	235	5	29	54	77	
697878 Dup	< 5	2.65	33	395	5	0.54	< 5	< 10	238	< 5	29	55	77	
697882 Orig														
697882 Dup														
697886 Orig	< 5	2.07	28	230	5	0.61	< 5	< 10	123	6	14	208	42	
697886 Split PREP DUP	< 5	2.07	21	205	10	1.20	< 5	< 10	271	< 5	10	203	107	
Method Blank														
Method Blank														
Method Blank														
Method Blank														
Method Blank														
Method Blank														< 0.02
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	2	< 5	

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr	Au
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5	0.02
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FA-GRA
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5	

APPENDIX III

Lake Sediment Sample Descriptions

(Table 2)

Table 2	Enable 2023 Lake Sediment Samples						
Sample	Date	Easting	Northing	Elevation	Depth (metres)	Claim	Sample Description
A1104873	17-Mar-23	491735	5409410	319	2	600833	Black Sediment/Sandy Gravel
A1104874	17-Mar-23	491813	5409397	319	1	600816	Brown Organics
A1104875	17-Mar-23	493742	5408985	263	3	600840	Brown/Black Sediment with wood particles
A1104876	17-Mar-23	493660	5408741	263	3	600846	Gravel
A1104877	17-Mar-23	493467	5408809	263	5	600844	Brown/Black Sediment with Sand
A1104878	17-Mar-23	493450	5409046	263	4	600845	Brown/Black Sediment with Sand

APPENDIX IV

Actlabs Analytical

Descriptions

Sample Preparation

To obtain meaningful analytical results, it is imperative that sample collection and preparation be done properly. Actlabs can advise on sampling protocol for your field program if requested. Once the samples arrive in the laboratory, Actlabs will ensure that they are prepared properly. As a routine practice with rock and core, the entire sample is crushed to a nominal -2 mm, mechanically split to obtain a representative sample and then pulverized to at least 95% -105 microns (µm). All of our steel mills are mild steel and do not introduce Cr or Ni contamination. Quality of crushing and pulverization is routinely checked as part of our quality assurance program. Samples submitted in an unorganized fashion will be subject to a sorting surcharge and may substantially slow turnaround time. Providing an accurate detailed sample list by e-mail will also aid in improving turnaround time and for Quality Control purposes.

Rock, Core and Drill Cuttings		
Code	**Description**	**Price**
RX1	Crush (< 7 kg) up to 80% passing 2 mm, riffle split (250 g) and pulverize (mild steel) to 95% passing 105 µm included cleaner sand	$12.30
RX1-ORE	Crush up to 90% passing 2 mm	add $2.20
RX1+500	500 grams pulverized	add $1.30
RX1+800	800 grams pulverized	add $2.35
RX1+1000	1000 grams pulverized	add $2.90
RX1-SD	Crush (< 7 kg) up to 80% passing 2 mm, rotary split (250 g) and pulverized (mild steel) to 95% passing 105µm	$12.00
RX1-SD-ORE	Crush up to 90% passing 2 mm	add $2.25
RX3	Oversize charge per kilogram for crushing	$1.30
RX4	Pulverization only (mild steel) (coarse pulp or crushed rock) (< 800 g)	$7.75
RX5	Pulverize ceramic (100 g)	$21.00
RX6	Hand pulverize small samples (agate mortar & pestle) (<5g)	$21.00
RX7	Crush and split (< 5 kg)	$5.00
RX8	Sample prep only surcharge, no analyses	$5.70
RX9	Compositing (per composite) dry weight	$4.65
RX10	Weight (kg) as received	$2.25
RX11	Checking quality of pulps or rejects prepared by other labs and issuing report	$11.00
RX14	Core cutting	On Request
RX15	Special Preparation/Hour	$80.00
RX16	Specific Gravity on Core	$15.40
RX16-W	Specific Gravity (WAX) on friable samples	$22.00
RX17	Specific Gravity on the pulp	$17.85
RX17-GP	Specific Gravity on the pulp by gas pycnometer	$18.90
RX18	Subsample split for 3rd party (up to 1kg)	$3.45

Note: Larger sample sizes than listed above can be pulverized at additional cost.

Our Sample Preparation pricing is all-inclusive including: sorting, drying, labeling, new reject bags, using cleaner sand between each sample and crushing samples up to 7 kg (for RX1 and RX1-SD).

Soils, Stream and Lake Bottom Sediments, and Heavy Minerals		
Code	**Description**	**Price**
S1	Drying (60°C) and sieving (-177 µm) save all portions	$4.75
S1 DIS	Drying (60°C) and sieving (-177 µm), discard oversize	$4.50
S1-230	Drying (60°C) and sieving (-63 µm), save oversize	$6.00
S1-230 DIS	Drying (60°C) and sieving (-63 µm), discard oversize	$5.50
S2	Lake bottom sediment preparation crush & sieve (-177 µm)	$9.25
S3	Alternate size fractions and bracket sieving, add	$3.00
S4	Selective Extractions drying (40°C) & sieving (-177 µm)	$4.50
SGH-1	SGH drying (40°C) & sieving (-177 µm)	$4.50
S5	Wet or damp samples submitted in plastic bags, add	$2.25
S8	Sieve analysis (4 sieve sizes) coarser than 53 µm	$85.00
S9	Particle size analysis (laser)	On Request

All soil, sediment and vegetation samples received from outside Canada require incineration prior to disposal under Canadian Food Inspection Agency (CFIA) regulations so incineration charges will apply as listed in the table below

Sample Preparation Packages

Humus and Vegetation		
Code	**Description**	**Price**
B1	Drying and blending humus	$6.05
B2	Drying and macerating vegetation	$8.00
B3	Dry ashing	$11.00
B4	Washing vegetation	$5.50
B5	Samples submitted in plastic bags, add	$2.45

Special Digestion Procedures		
MDI	**Microwave digestion - closed vessel**	**On Request**

Sample Return, Disposal, and Storage

Please indicate on your Request for Analysis Form if your samples should be returned, disposed, or stored after analysis. Material is stored free of charge for a limited time after the date the final report is issued. If no instructions are received for sample return or storage, Actlabs reserves the right to dispose of the material after 3 months and disposal charges will apply. aterial stored long-term will be subject to storage charges, billed quarterly. For returns, please include all necessary shipping information e.g., courier, account number, etc.

Irradiated material will be discarded 30 days after analysis unless prior arrangements are made. Return of radioactive material requires a Nuclear Safety Commission license. The cost per shipment of radioactive materials is $200.00 plus shipping costs.

Code	Description	Price
RTRN	Return of all reject portions and/or pulps	At cost +15%
INCIN	Incineration of soil, sediment and vegetation samples from outside Canada (for samples up to 0.5 kg; samples over 0.5 kg will add $0.35/kg)	$0.80
H&R	Handling and retrieval of stored sample material	$ 65.00/hour
DISP1	Disposal of pulps to landfill site	$0.30
DISP2	Disposal of reject to landfill site	$0.95
STORE 1	Monthly storage of reject after 60 days	$0.50
STORE 2	Monthly storage of pulps after 90 days	$0.25
STORE 3	Monthly storage of sieve rejects after 3 months	$0.25

Precious Metals Analysis

Gold and Silver Analyses - Geochem				
Code	Method	Sample Weight (g)	Metric Range (ppb)	Price
1A1	Au Fire Assay – INAA	30	1 – 20,000	$22.00
1A2	Au Fire Assay – AA	30	5 – 5,000	$18.90
1A2B-30	Au Fire Assay – AA	30	5 – 10,000	$20.15
1A2-50	Au Fire Assay – AA	50	5 – 5,000	$21.70
1A2B-50	Au Fire Assay – AA	50	5 – 10,000	$23.00
1A2-ICP	Au Fire Assay – ICP-OES	30	2 – 30,000	$20.45
1A2-ICP-50	Au Fire Assay – ICP-OES	50	2 – 30,000	$23.00
1A2-ICPMS	Au Fire Assay - ICP-MS	30	0.5 - 30,000	$28.00
1A6	Au BLEG - ICP-MS	1,000	0.1 - 10,000	$44.75
1A6-50	Au Cyanide Extraction - ICP-MS Ag or Cu add-on, for each additional, add	50	0.02 - 1,000	$16.50 $5.50
1A8-Au	Au Aqua Regia - ICP-MS	30	0.2 - 2,000	$20.00
1E-Ag	Ag Aqua Regia - ICP-OES	0.5	0.2 - 100 ppm	$7.50

Use of 50g sample for fire assay may not provide optimum recovery.
For proper fire assay fusion, Actlabs may reduce the sample weights to 15g or smaller at its discretion

Gold and Silver Analyses - Assay				
Code	Method	Sample Weight (g)	Metric Range (g/T)	Price
1A3-30	Au Fire Assay - Gravimetric	30	0.03 - 10,000	$25.00
1A3-50	Au Fire Assay - Gravimetric	50	0.02 - 10,000	$28.25
1A3-Ag (Au, Ag)	Au, Ag Fire Assay - Gravimetric	30	0.03 - 10,000 (Au) 3 - 10,000 (Ag)	$30.75
1A4 *	Au Fire Assay - Metallic Screen	500	0.03 – 10,000	$80.00
1A4-1000 *	Au Fire Assay - Metallic Screen	1,000	0.03 – 10,000	$91.00
8-Ag	Au Fire Assay - Gravimetric	30	3 - 10,000	$27.50

* A representative 500 gram or 1000 gram (or customized) sample split is sieved at 149µm, with assays performed on the entire +149 µm fraction and two splits of the -149 µm fraction. It is important not to over pulverize the sample too finely; as tests have shown gold will plate out on the mill and be lost. When assays have been completed on the coarse and fine portions of the bulk sample, a final assay is calculated based on the weight of each fraction.

When submitting samples for precious metals analysis, please provide at least 2-3 times the listed sample weight to allow for quality control analysis

Gold, Platinum, Palladium and Rhodium

Code	Method	Sample Weight (g)	Range (ppb)				Price
			Au	Pt	Pd	Rh	
1C-Exploration	Fire Assay - ICP-MS	30	2 - 30,000	1 - 30,000	1 - 30,000	-	$26.00
1C-Research	Fire Assay - ICP-MS	30	1 - 30,000	0.1 - 30,000	0.1 - 30,000	-	$36.25
1C-Rhodium	Fire Assay - ICP-MS	30	-	-	-	5 - 10,000	$35.00
1C-OES	Fire Assay - ICP-OES	30	2 - 30,000	5 - 30,000	5 - 30,000	-	$23.00
1C-OES-ORE *	Fire Assay - ICP-OES	30	0.006 - 1000 g/T	0.001 - 1000 g/T	0.001 - 1000 g/T	-	$45.00

* If above 1000g/T, see Concentrate Testing

Platinum Group Elements

Code	Method	Sample Weight (g)	Range (ppb)							Price
			Os	Ir	Ru	Rh	Pt	Pd	Au	
1B1	NiS Fire Assay - INAA	30	2-20,000	0.1-10,000	5-50,000	0.2-20,000	5*-100,000	2-100,000	0.5-20,000	1-2 samples $381.15 3+ samples $191.10
1B2	NiS Fire Assay - ICP-MS	30	-	1-10,000	1-10,000	1-10,000	1-10,000	1-10,000	1-10,000	1-2 samples $381.15 3+ samples $191.10

* Detection limits for Pt are increased with high Au/Pt ratios and limits for other elements will be affected by abnormally high Au, Sb and Cu content. Samples with high Au can be reanalyzed by Code 1C exploration or research. Zn concentrates are not amenable to the nickel sulphide fire assay. Au results by Code 1B1 or 1B2 can be low by nickel sulphide fire assay. For accurate Au values, please request Code 1C-exploration.

Aqua Regia "Partial" Digestion

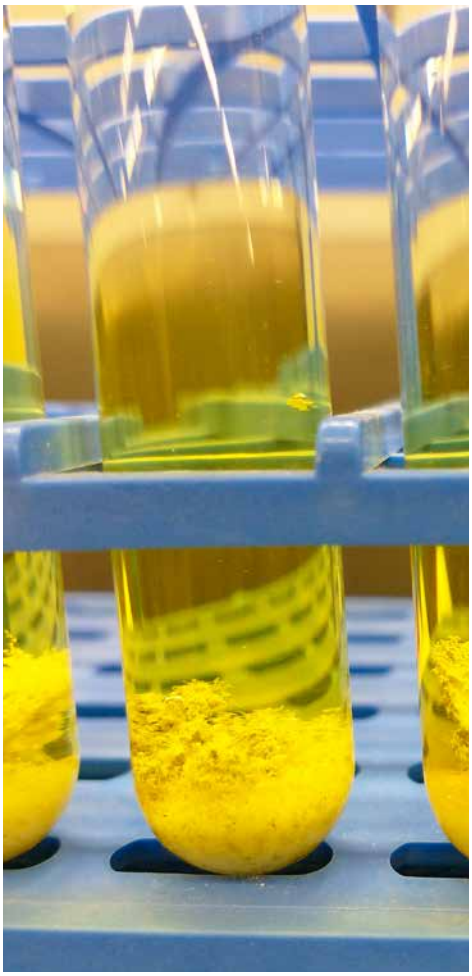
This digestion uses a combination of concentrated hydrochloric and nitric acids to leach sulphides, some oxides and some silicates. Mineral phases which are hardly (if at all) attacked include barite, zircon, monazite, sphene, chromite, gahnite, garnet, ilmenite, rutile and cassiterite. The balance of silicates and oxides are only slightly to moderately attacked, depending on the degree of alteration. Generally, but not always, most base metals and gold are usually dissolved.

Note: Results from acid digestions may be lab dependent or lab operator dependent. Actlabs has automated this aspect of digestion using a microprocessor designed hotbox to accurately reproduce digestion conditions every time.

Note: For Code Ultratrace 1, Code Ultratrace 2 and Code UT-1M, Au is semi-quantitative when using a 0.5g sample.

15g or 30g is recommend for soils, sediments and vegetation samples only.

Packages that involve 15g and 30g sample size will require RX10 (pulp weight report)



	ICP-OES (ppm)		ICP-MS (ppm)		ICP-OES + ICP-MS (ppm)
Package	**1E**	**1E3**	**UT-1M**	**Ultratrace 1**	**Ultratrace 2**
Ag	0.2 - 100	0.2 - 100	0.1 - 100	0.002 - 100	0.002 - 100
Al	-	0.01 - 10 %	0.01 - 8 %	0.01 - 8 %	0.01 - 8 %
As	-	2 - 10,000	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
Au	-	-	0.5 - 1,000 ppb	0.5 - 10,000 ppb	0.5 - 10,000 ppb
B	-	10 - 10,000	20 - 2,000	1 - 5,000	1 - 5,000
Ba	-	10 - 10,000	1 - 10,000	0.5 - 6,000	0.5 - 6,000
Be	-	0.5 - 1,000	-	0.1 - 1,000	0.1 - 1,000
Bi	-	2 - 10,000	0.1 - 2,000	0.02 - 2,000	0.02 - 2,000
Ca	-	0.01 - 10 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Cd	0.5 - 2,000	0.5 - 2,000	0.1 - 2,000	0.01 - 2,000	0.01 - 1,000
Ce	-	-	-	0.01 - 10,000	0.01 - 10,000
Co	-	1 - 10,000	0.1 - 5,000	0.1 - 5,000	0.1 - 5,000
Cr	-	1 - 10,000	1 - 10,000	1 - 10,000	1 - 10,000
Cs	-	-	-	0.02 - 500	0.02 - 500
Cu	1 - 10,000	1 - 10,000	0.2 - 10,000	0.2 - 10,000	0.2 - 10,000
Dy	-	-	-	0.1 - 1,000	0.1 - 1,000
Er	-	-	-	0.1 - 1,000	0.1
Eu	-	-	-	0.1 - 100	0.1
Fe	-	0.01 - 30 %	0.01 - 30 %	0.01 - 30 %	0.01 - 30 %
Ga	-	10 - 10,000	1 - 1,000	0.02 - 500	0.02 - 500
Gd	-	-	-	0.1 - 1,000	0.1 - 1,000
Ge	-	-	-	0.1 - 500	0.1 - 500
Hf	-	-	-	0.1 - 500	0.1 - 500
Hg	1 - 10,000	1 - 10,000	0.01 - 50	10 - 10,000ppb	10 - 10,000 ppb
Ho	-	-	-	0.1 - 1,000	0.1 - 1,000
In	-	-	-	0.02 - 500	0.02 - 500
K	-	0.01 - 10 %	0.01 - 5 %	0.01 - 5 %	0.01 - 5 %
La	-	10 - 10,000	1 - 10,000	0.5 - 10,000	0.5 - 1,000
Li	-	-	-	0.1 - 10,000	0.1 - 10,000
Lu	-	-	-	0.1 - 100	0.1 - 100
Mg	-	0.01 - 25 %	0.01 - 10 %	0.01 - 10 %	0.01 - 10 %
Mn	2 - 100,000	5 - 100,000	1 - 10,000	1 - 10,000	1 - 10,000
Mo	2 - 10,000	1 - 10,000	0.1 - 10,000	0.01 - 10,000	0.01 - 10,000
Na	-	0.001 - 10 %	0.001 - 5 %	0.001 - 5 %	0.001 - 5 %
Nb	-	-	-	0.1 - 500	0.1 - 500
Nd	-	-	-	0.02 -5,000	0.02 - 5,000
Ni	1 - 10,000	1 - 10,000	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
P	-	0.001 - 5 %	0.001 - 5 %	0.001 - 5 %	0.001 - 5 %
Pb	2 - 5,000	2 - 5,000	0.1 - 5,000	0.1 - 5,000	0.1 - 5,000
Pr	-	-	-	0.1 -1,000	0.1 - 1,000
Rb	-	-	-	0.1 - 500	0.1 - 500
Re	-	-	-	0.001 - 100	0.001 - 100
S +	0.001 - 20 %	0.001 - 20 %	1 - 20 %	1 - 20 %	0.001 - 20 %
Sb	-	2 - 10,000	0.1 - 500	0.02 - 500	0.02 - 500
Sc	-	1 - 10,000	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
Se	-	-	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
Sm	-	-	-	0.1 - 100	0.1 - 100
Sn	-	-	-	0.05 - 200	0.05 - 200
Sr	-	1 - 10,000	1 - 5,000	0.5 - 5,000	0.5 - 5,000
Ta	-	-	-	0.05 - 50	0.05 - 50
Tb	-	-	-	0.1 - 100	0.1 - 100
Te	-	1 - 500	0.2 - 500	0.02 - 500	0.02 - 500
Th	-	20 - 10,000	0.1 - 200	0.1 - 200	0.1 - 200
Ti	-	0.01 - 10 %	0.001 - 10 %	0.001 - 10 %	0.01 - 10 %
Tl	-	2 - 10,000	0.1 - 500	0.02 - 500	0.02 - 500
Tm	-	-	-	0.1 - 1,000	0.1 - 1,000
U	-	10 - 10,000	-	0.1 - 10,000	0.1 - 10,000
V	-	1 - 10,000	2 - 1,000	1 - 1,000	1 - 1,000
W	-	10 - 200	0.1 - 200	0.1 - 200	0.1 - 200
Y	-	1 - 1,000	-	0.01 - 500	0.01 - 500
Yb	-	-	-	0.1 - 200	0.1 - 200
Zn	1 - 10,000	2 - 10,000	1 - 5,000	0.1 - 5,000	0.1 - 5,000
Zr	-	1 - 10,000	-	0.1- 5,000	0.1 - 5,000
0.5g Price:	$13.50	$14.25	$20.00	$25.50	$28.75
		15g Price	$30.00	$33.50	
		30g Price	$33.65	$36.75	

Extraction of each element by Aqua Regia is dependent on mineralogy
+ Sulphide sulphur and soluble sulphates are extracted

4-Acid "Near Total" Digestion

This acid attack is the most vigorous digestion used in geochemistry analysis and uses hydrochloric, nitric, perchloric and hydrofluoric acids. Even with this digestion, certain minerals (barite, gahnite, chromite, cassiterite, etc.) may only be partially dissolved or stable in solution. Other minerals including zircon, sphene and magnetite may not be totally dissolved. Most other silicates will be dissolved; however, some elements will be erratically volatilized, including As, Sb, Cr, U and Au.

Near-Total digestion cannot be used to obtain accurate determinations of REE, Ta, Nb, As, Sb, Sn, Hg, Cr, Au and U.

	ICP-OES (ppm)	ICP-MS (ppm)		ICP-OES + ICP-MS (ppm)	
Package	1F2	UT-4M	Ultratrace 4	Ultratrace 6	UT-6M
Ag	0.3 - 100	0.1 - 100	0.05 - 100	0.05 - 100	0.01 - 100
Al	0.01 - 50 %	0.01 - 20 %	0.01 - 10 %	0.01 - 10 %	0.01 - 50 %
As	3 - 5,000	1 - 10,000	0.1 - 10,000	0.1 - 10,000	0.2 - 10,000
B	-	-	20 - 6,000	-	-
Ba	7 - 1,000	1 - 10,000	1 - 5,000	1 - 5,000	10 - 10,000
Be	1 - 10,000	1 - 1,000	0.1 - 1,000	0.1 - 1,000	0.05 - 1,000
Bi	2 - 10,000	0.1 - 4,000	0.02 - 2,000	0.02 - 2,000	0.01 - 10,000
Ca	0.01 - 70 %	0.01 - 40 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Cd	0.3 - 2,000	0.1 - 4,000	0.1 - 1,000	0.1 - 1,000	0.02 - 1,000
Ce	-	1 - 2,000	0.1 - 10,000	0.1 - 10,000	0.01 - 500
Co	1 - 10,000	0.2 - 4,000	0.1 - 500	0.1 - 500	0.1 - 10,000
Cr	1 - 10,000	1 - 10,000	1 - 5,000	1 - 5,000	1 - 10,000
Cs	-	0.1 - 10,000	0.05 - 100	0.05 - 100	0.05 - 500
Cu	1 - 10,000	0.1 - 10,000	0.2 - 10,000	0.2 - 10,000	0.2 - 10,000
Dy	-	-	0.1 - 5000	0.1 - 5,000	-
Er	-	-	0.1 - 1,000	0.1 - 1,000	-
Eu	-	-	0.05 - 100	0.05 - 100	-
Fe	0.01 - 50 %	0.01 - 60 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Ga	1 - 10,000	-	0.1 - 500	0.1 - 500	0.05 - 10,000
Gd	-	-	0.1 - 5,000	0.1 - 5,000	-
Ge	-	-	0.1 - 500	0.1 - 500	0.05 - 500
Hf	-	0.1 - 1,000	0.1 - 500	0.1 - 500	0.1 - 500
Ho	-	-	0.1 - 1,000	0.1 - 1,000	-
In	-	-	0.1 - 100	0.1 - 100	0.005 - 500
K	0.01 - 10 %	0.01 - 10 %	0.01 - 5 %	0.01 - 5 %	0.01 - 10 %
La	-	0.1 - 2,000	0.1 - 10,000	0.1 - 10,000	0.5 - 10,000
Li	1 - 10,000	0.1 - 2,000	0.5 - 400	0.5 - 400	0.2 - 10,000
Lu	-	-	0.1 - 100	0.1 - 100	-
Mg	0.01 - 50 %	0.01 - 30 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Mn	1 - 100,000	1 - 10,000	1 - 10,000	1 - 10,000	5 - 100,000
Mo	1 - 10,000	0.1 - 4,000	0.05 - 10,000	0.1 - 10,000	0.05 - 10,000
Na	0.01 - 10 %	0.001 - 10 %	0.01 - 3 %	0.01 - 3 %	0.01 - 10 %
Nb	-	0.1 - 2,000	0.1 - 500	0.1 - 500	0.1 - 500
Nd	-	-	0.1 - 10,000	0.1 - 10,000	-
Ni	1 - 10,000	0.1 - 10,000	0.5 - 5,000	0.5 - 5,000	0.2 - 10,000
P	0.001 - 10 %	0.001 - 5 %	-	0.001 - 10 %	10 - 10,000
Pb	3 - 5,000	0.1 - 5,000	0.5 - 5,000	0.5 - 5,000	0.5 - 10,000
Pr	-	-	0.1 - 5,000	0.1 - 1,000	-
Rb	-	0.1 - 2,000	0.2 - 500	0.2 - 5,000	0.1 - 10,000
Re	-	-	0.001 - 100	0.001 - 100	0.002 - 50
S +	0.01 - 20 %	1 - 10 %	-	0.01 - 20 %	0.01 - 10 %
Sb	5 - 10,000	0.1 - 4,000	0.1 - 500	0.1 - 500	0.05 - 10,000
Sc	4 - 10,000	1 - 200	-	1 - 5,000	0.1 - 10,000
Se	-	-	0.1 - 1,000	0.1 - 1,000	1 - 1,000
Sm	-	-	0.1 - 100	0.1 - 100	-
Sn	-	0.1 - 2,000	1 - 200	1- 200	0.2 - 500
Sr	1 - 10,000	1 - 10,000	0.2 - 10,000	0.2 - 1,000	0.2 - 10,000
Ta	-	0.1 - 2,000	0.1 - 1,000	0.1 - 1,000	0.05 - 100
Tb	-	-	0.1 - 100	0.1 - 100	-
Te	2 -10,000	-	0.1 - 500	0.1 - 500	0.05 - 500
Th	-	0.1 - 4,000	0.1 - 500	0.1 - 500	0.01 - 10,000
Ti	0.01 - 10 %	0.001 - 10 %	-	0.0005 - 10 %	0.005 - 10 %
Tl	5 - 10,000	0.05 - 10,000	0.05 - 500	0.05 - 500	0.02 - 10,000
Tm	-	-	0.1 -1,000	0.1 - 1,000	-
U	10 - 10,000	0.1 - 4,000	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
V	2 - 10,000	4 - 10,000	1 - 10,000	1 - 10,000	1 - 10,000
W	5 - 10,000	0.1 - 200	0.1 - 200	0.1 - 200	0.1 - 10,000
Y	1 - 1,000	0.1 - 2,000	0.1 - 10,000	0.1 - 10,000	0.1 - 500
Yb	-	-	0.1 - 5,000	0.1 - 5,000	-
Zn	1 - 10,000	1 - 10,000	0.2 - 10,000	0.2 - 10,000	2 - 10,000
Zr	5 - 10,000	0.1 - 2,000	1 - 5,000	1 - 5,000	0.5 - 500
Price:	$19.00	$25.75	$29.00	$36.50	$32.50

Extraction of each element by 4-Acid Digestion is dependent on mineralogy
+ Sulphide sulphur and soluble sulphates are extracted

Intermediate Ore Grade

These packages are meant for mid-high level mineralized samples.

	Aqua Regia (ppm)		Four-Acid (ppm)		
Package	**1E3-ORE**	**UT1-ORE**	**1F2-ORE**	**UT4-ORE**	**UT6-ORE**
Ag	2 - 100	1 - 100	3 - 100	0.5 - 100	0.5 - 100
Al	0.1 - 10 %	0.1 - 8 %	0.1 - 50 %	0.1 - 10 %	0.1 - 10 %
As	20 - 10,000	5 - 10,000	30 - 5,000	1 - 10,000	1 - 10,000
Au	-	5 - 1,000 ppb	-	-	-
B	100 - 10,000	200 - 2,000	-	200 - 6,000	-
Ba	100 - 10,000	10 - 10,000	70 - 1,000	10 - 5,000	10 - 5,000
Be	5 - 1,000	-	10 - 10,000	1 - 1,000	1 - 1,000
Bi	20 - 10,000	1 - 2,000	20 - 10,000	0.2 - 2,000	0.2 - 2,000
Ca	0.1 - 10 %	0.1 - 25 %	0.1 - 70 %	0.1 - 50 %	0.1 - 50 %
Cd	5 - 2,000	1 - 2,000	3 - 2,000	1 - 1,000	1 - 1,000
Ce	-	-	-	1 - 10,000	1 - 10,000
Co	10 - 10,000	1 - 5,000	10 - 10,000	1 - 500	1 - 500
Cr	10 - 10,000	10 - 10,000	10 - 10,000	10 - 5,000	10 - 5,000
Cs	-	-	-	0.5 - 100	0.5 - 100
Cu	10 - 10,000	2 - 10,000	10 - 10,000	2 - 10,000	2 - 10,000
Dy	-	-	-	1 - 5000	1 - 5,000
Er	-	-	-	1 - 1,000	1 - 1,000
Eu	-	-	-	0.5 - 100	0.5 - 100
Fe	0.1 - 30 %	0.1 - 30 %	0.1 - 50 %	0.1 - 50 %	0.1 - 50 %
Ga	100 - 10,000	10 - 1,000	10 - 10,000	1 - 500	1 - 500
Gd	-	-	-	1 - 5,000	1 - 5,000
Ge	-	-	-	1 - 500	1 - 500
Hf	-	-	-	1 - 500	1 - 500
Hg	10 - 10,000	0.1 - 50	-	-	-
Ho	-	-	-	1 - 1,000	1 - 1,000
In	-	-	-	1 - 100	1 - 100
K	0.01 - 10 %	0.1 - 5 %	0.1 - 10 %	0.1 - 5 %	0.1 - 5 %
La	100- 10,000	10 - 10,000	-	1 - 10,000	1 - 10,000
Li	-	-	1 0- 10,000	5 - 400	5 - 400
Lu	-	-	-	1 - 100	1 - 100
Mg	0.1 - 25 %	0.1 - 10 %	0.1 - 50 %	0.1 - 50 %	0.1 - 50 %
Mn	50 - 100,000	10 - 10,000	1 0- 100,000	10 - 10,000	10 - 10,000
Mo	10 - 10,000	1 - 10,000	1 0- 10,000	0.5 - 10,000	1 - 10,000
Na	0.01 - 10 %	0.01 - 5 %	0.1 - 10 %	0.1 - 3 %	0.1 - 3 %
Nb	-	-	-	1 - 500	1 - 500
Nd	-	-	-	1 - 10,000	1 - 10,000
Ni	10 - 10,000	1 - 10,000	1 0- 10,000	5 - 5,000	5 - 5,000
P	0.01 - 5 %	0.01 - 5 %	0.01 - 10 %	-	0.01 - 10 %
Pb	20 - 5,000	1 - 5,000	30 - 5,000	5 - 5,000	5 - 5,000
Pr	-	-	-	1 - 5,000	1 - 1,000
Rb	-	-	-	2 - 500	2 - 5,000
Re	-	-	-	0.01 - 100	0.01 - 100
S +	0.1 - 20 %	10 - 20 %	0.1 - 20 %	-	0.1 - 20 %
Sb	20 - 10,000	1 - 500	50- 10,000	1 - 500	1 - 500
Sc	10 - 10,000	1 - 10,000	40 - 10,000	-	10 - 5,000
Se	-	5 - 10,000	-	1 - 1,000	1 - 1,000
Sm	-	-	-	1 - 100	1 - 100
Sn	-	-	-	10 - 200	10- 200
Sr	10 - 10,000	10- 5,000	10 - 10,000	2 - 10,000	2 - 1,000
Ta	-	-	-	1 - 1,000	1 - 1,000
Tb	-	-	-	1 - 100	1 - 100
Te	10 - 500	2 - 500	20 -10,000	1 - 500	1 - 500
Th	200 - 10,000	1 - 200	-	1 - 500	1 - 500
Ti	0.1 - 10 %	0.01 - 10 %	0.1 - 10 %	-	0.005 - 10 %
Tl	20 - 10,000	1 - 500	50 - 10,000	0.5 - 500	0.5 - 500
Tm	-	-	-	1 -1,000	1 - 1,000
U	100 - 10,000	-	100 - 10,000	1 - 10,000	1 - 10,000
V	10 - 10,000	20 - 1,000	20 - 10,000	10 - 10,000	10 - 10,000
W	100 - 200	1 - 200	50 - 10,000	1 - 200	1 - 200
Y	10 - 1,000	-	1 0- 1,000	1 - 10,000	1 - 10,000
Yb	-	-	-	1 - 5,000	1 - 5,000
Zn	20 - 10,000	10 - 5,000	1 0- 10,000	2 - 10,000	2 - 10,000
Zr	10 - 10,000	-	50 - 10,000	10 - 5,000	10 - 5,000
Price:	$15.75	$25.20	$21.55	$30.00	$40.45

Extraction of each element by 4-Acid Digestion is dependent on mineralogy
+ Sulphide sulphur and soluble sulphates are extracted

INAA

Instrumental Neutron Activation Analysis - Samples are encapsulated and irradiated in a nuclear reactor. After a suitable decay, samples are measured for the emitted gamma ray fingerprint. INAA is very good for Au, Co, As, Sb, W, Ta, U, Th, Cs, In, Re, Cl and lower levels of most LREE.

	INAA (ppm)			
Package	1D	1D Enhanced	5B - Other Elements	5S - Short Lived Isotopes
Ag	5 - 100,000	5 - 100,000	-	
Al	-	-	-	1 - 100,000
As	2 - 10,000	0.5 - 10,000	1 - 10,000	-
Au	5 - 30,000 ppb	2 - 30,000 ppb	5 - 30,000 ppb	-
Ba	100 - 500,000	50 - 500,000	100 - 100,000	-
Br	1 - 1,000	0.5 - 1,000	0.5 - 1,000	5 - 10,000
Ca	1 - 50 %	1 - 50 %	-	-
Ce	3 - 10,000	3 - 10,000	3 - 10,000	-
Co	5 - 5,000	1 - 5,000	0.5 - 10,000	-
Cl	-	-	-	100 -100,000
Cr	10 - 100,000	5 - 100,000	1 - 100,000	-
Cs	2 - 10,000	1 - 10,000	0.5 - 10,000	-
Cu	-	-	-	5 - 2,500
Dy	-	-	-	0.5 - 5,000
Eu	0.2 - 2,000	0.2 - 2,000	0.2 - 2,000	-
Fe	0.02 - 75 %	0.01 - 75 %	0.01 - 75 %	-
Ga	-	-	-	5 - 10,000
Hf	1 - 500	1 - 500	0.5 - 500	-
Hg	1 - 1,000	1 - 1,000	-	-
I	-	-	-	0.5 - 5,000
In	-	-	-	0.1 - 5,000
Ir	5 - 10,000 ppb	5 - 10,000 ppb	-	-
La	1 - 10,000	0.5 - 10,000	0.1 - 10,000	-
Lu	0.05 - 1,000	0.05 - 1,000	0.05 - 1,000	-
Mg	-	-	-	0.05 - 50 %
Mn	-	-	-	0.1 - 10,000
Mo	5 - 10,000	1 - 10,000	2 - 10,000	-
Na	0.05 - 10 %	0.01 - 10 %	100 - 100,000	50 - 200,000
Nd	5 - 10,000	5 - 10,000	5 - 10,000	-
Ni	50 - 10,000	20 - 10,000	-	-
Rb	30 - 10,000	15 - 10,000	20 - 10,000	-
Re	-	-	-	1 - 5,000
Sb	0.2 - 10,000	0.1 - 10,000	0.1 - 10,000	-
Sc	0.1 - 200	0.1 - 200	0.1 - 200	-
Se	5 - 10,000	3 - 10,000	2 - 10,000	-
Sm	0.1 - 10,000	0.1 - 10,000	0.01 - 10,000	-
Sn	0.05 - 10 %	0.02 - 10 %	-	-
Sr	0.1 - 40 %	0.05 - 40 %	-	-
Ta	1 - 10,000	0.5 - 10,000	0.5 - 10,000	-
Tb	0.5 - 1,000	0.5 - 1,000	-	-
Th	0.5-10,000	0.5-10,000	0.2-10,000	-
Ti	-	-	-	50 - 100,000
U	0.5 - 10,000	0.5 - 10,000	0.1 - 10,000	-
V	-	-	-	0.1 - 10,000
W	4 - 10,000	1 - 10,000	2 - 10,000	-
Yb	0.2 - 1,000	0.2 - 1,000	0.2 - 1,000	-
Zn	50 - 100,000	50 - 100,000	-	-
Price:	$27.50	$31.10	One Element $24.00	One Element $50.05
		Each Additional Element	Add $3.40	Add $8.40

Key advantages of INAA include:

- **Total determination of selected resistive and volatile elements, including Au**
- **Up to 30g of material can be analyzed for a more representative sub-sample**
- **Non-destructive, allowing material to be used for other analysis**

Multi-Method Analyses

ICP-OES and ICP-MS analyses by 4-acid (hydrochloric, nitric, perchloric and hydrofluoric) digestion are “near total” digestions. INAA analysis yields total metals.

NOTE: Results from acid digestions may be lab dependent or lab operator dependent. Actlabs has automated this aspect of digestion using a microprocessor designed hotbox to accurately reproduce digestion conditions every time.

Pressed Pellet XRF Analysis

Code 4C1		
Group	**Element**	**Range (ppm)**
A	Ba	5-10,000
	Ga	5-10,000
	Nb	1-10,000
	Rb	2-10,000
	Sr	2-10,000
	Y	2-10,000
	Zr	5-10,000
B	Co	5-1,000
	Cr	5-10,000
	Cu	5-2,500
	Ni	4-4,000
	Pb	5-1,000
	V	5-10,000
	Zn	5-1,000
	Sn	5-10,000
	Zn	0.001-1%

Any One Element	$12.50
Each Additional Element	$4.25
All of Group A Elements	$23.00
All of Group B Elements	$23.00

	INAA+ICP-OES (ppm)	INAA + ICP-OES + ICP-MS (ppm)	INAA+ICP-MS (ppm)
Package	**1H**	**Ultratrace 3**	**Ultratrace 5**
Ag	0.3 - 10,000	0.05 - 10,000	0.05 - 100,000
Al	0.01 -50 %	0.01 - 50 %	-
As	0.5 - 10,000	0.5 - 10,000	0.5 - 10,000
Au	2 - 30,000 ppb	2 - 30,000 ppb	2 - 30,000 ppb
Ba	50 - 500,000	1 - 100,000	1 - 100,000
Be	1 - 10,000	0.1 - 1,000	0.1 - 1,000
Bi	2 -10,000	0.02 - 10,000	0.02 - 2,000
Br	0.5 -5,000	0.5 - 5,000	0.5 - 5,000
Ca	0.01 - 70 %	0.01 - 70 %	0.01 - 50 %
Cd	0.3 - 2,000	0.1 - 2,000	0.1 - 1,000
Ce	3 - 10,000	0.1 - 10,000	0.1 - 10,000
Co	1 - 5,000	1 - 5,000	0.1 - 5,000
Cr	2 - 100,000	1 - 10,000	1 - 100,000
Cs	1 - 10,000	0.05 - 5,000	0.05 - 5,000
Cu	1 - 10,000	0.2 - 10,000	0.2 - 10,000
Dy	-	0.1 - 5000	0.1 - 5000
Er	-	0.1 - 1,000	0.1 - 1,000
Eu	0.2 - 10,000	0.05 - 1,000	0.05 - 100
Fe	0.01 - 70 %	0.01 - 70 %	0.01 - 50 %
Ga	-	0.1 - 500	0.1 - 500
Gd	-	0.1 - 500	0.1 - 5,000
Ge	-	0.1 - 500	0.1 - 500
Hf	1 -5,000	0.1 - 5,000	1 - 5,000
Hg	1 - 1,000	1 - 1,000	1 - 1,000
Ho	-	0.1 - 1,000	0.1 - 1,000
In	-	0.1 - 100	0.1 - 100
Ir	5 - 10,000 ppb	5 - 10,000 ppb	-
K	0.01 - 10 %	0.01 - 10 %	0.01 - 5 %
La	0.5 - 10,000	0.5 - 10,000	0.1 - 10,000
Li	1 - 10,000	1 - 10,000	0.5 - 400
Lu	0.05 - 10,000	0.1 - 100	0.1 - 100
Mg	0.01 - 50 %	0.01 - 50 %	0.01 - 10 %
Mn	1 - 100,000	1 - 100,000	1 - 10,000
Mo	1 - 10,000	0.2 - 10,000	0.05 - 10,000
Na	0.01 - 50 %	0.01 - 20 %	0.01 - 20 %
Nb	-	0.1 - 500	0.1 - 500
Nd	5 - 10,000	0.01 - 10,000	0.1 - 10,000
Ni	1 - 100,000	0.5 - 100,000	0.5 - 100,000
P	0.001 - 10 %	0.001 - 10 %	-
Pb	3 - 5,000	0.5 - 5,000	0.5 - 5,000
Pr	-	0.1 - 1,000	0.1 - 1,000
Rb	15 -10,000	0.2 - 5,000	0.2 - 5,000
Re	-	0.001 - 100	0.001 - 100
S +	0.01 - 20 %	0.01 - 20 %	-
Sb	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
Sc	0.1 - 1,000	0.1 - 1,000	0.1 - 1,000
Se	3 - 10,000	0.1 - 10,000	0.1 - 10,000
Sm	0.1 - 10,000	0.1 - 100	0.1 - 100
Sn	0.02 - 20 %	1 - 200	1- 200
Sr	1 - 10,000	0.2 - 1,000	0.2 - 1,000
Ta	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
Tb	0.5 - 10,000	0.1 - 5,000	0.1 - 100
Te	-	0.02 - 500	0.1 - 500
Th	0.2 - 10,000	0.1 - 10,000	0.1 - 10,000
Ti	0.01 - 10 %	0.01 - 10 %	-
Tl	-	0.05 - 500	0.05 - 500
Tm	-	0.1 - 1,000	0.1 - 1,000
U	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
V	2 - 10,000	2 - 10,000	1 - 1,000
W	1 - 10,000	1 - 10,000	1 - 10,000
Y	1 - 1,000	0.01 - 10,000	0.1 - 10,000
Yb	0.2 - 10,000	0.1 - 5,000	0.1 - 5,000
Zn	1 - 100,000	0.5 - 100,000	0.5 - 100,000
Zr	-	1 - 5,000	1 - 5,000
Price:	$41.25	$56.00	$42.25

Extraction of each element by 4-Acid Digestion is dependent on mineralogy
+ Sulphide sulphur and soluble sulphates are extracted

Lithogeochemistry and Whole Rock Analysis

Lithogeochemistry

The most aggressive fusion technique employs a lithium metaborate/ tetraborate fusion. Fusion is performed by a robot at Actlabs, which provides a fast fusion of the highest quality in the industry. The resulting molten bead is rapidly digested in a weak nitric acid solution. The fusion ensures that the entire sample is dissolved. It is only with this attack that major oxides including SiO2, refractory minerals (i.e. zircon, sphene, monazite, chromite, gahnite, etc.), REE and other high field strength elements are put into solution. High sulphide-bearing rocks may require different treatment but can still be adequately analyzed. Analysis is by ICP-OES and ICP-MS. Quality of data is exceptional and can be used for the most exacting applications. Values on replicates and standards are provided at no cost, as are REE chondrite plots. Eu determinations are semiquantitative in samples having extremely high Ba concentrations (> 5 %).

Mineralized Samples: Although intended primarily for unmineralized samples, mineralized samples can be analyzed. However, data may be semiquantitative for chalcophile elements (Ag, As, Bi, Co, Cu, Mo, Ni, Pb, Sb, Sn, W and Zn). For quantitative chalcophile data see Quant add-ons below.

Code 4B: Lithium Borate Fusion / ICP-OES Whole Rock Package. Data meets or exceeds quality of data by fusion XRF. 3g required.

Code 4B2: Lithium Borate Fusion / ICP-MS Trace Element package: Codes 4B2-STD and 4B2-Research both provide research quality data. 0.5g required.

Research designation: indicates lower detection limits.

Code 4Litho and Code 4Lithoresearch: The 4B and 4B2 packages are combined. 5 g required.

Quant designation: For quantitative values of chalcophile elements a surcharge will apply. A minimum sample weight of 5 g is required.

(+) Code 4B1: Optional elements by multiacid digestion. Please add 0.5 g.

(++) Code 4B-INAA: Optional elements are available by INAA. Please add 0.5 to 30 g depending on sample size you prefer to analyze for Au with this option.

Add-ons	Surcharge
4B1	$13.00
4B-INAA	$23.00
QUANT	$22.00

	WRA-ICP	Trace Element	Trace Element	WRA+ICP	WRA+Trace
Package	4B	4B2-Std	4B2-Research	4 Litho	4 Lithoresearch
Al_2O_3	0.01%	-	-	0.01%	0.01%
CaO	0.01%	-	-	0.01%	0.01%
Fe_2O_3	0.01%	-	-	0.01%	0.01%
K_20	0.01%	-	-	0.01%	0.01%
MgO	0.01%	-	-	0.01%	0.01%
MnO	0.001%	-	-	0.001%	0.001%
Na_2O	0.01%	-	-	0.01%	0.01%
P_2O_5	0.01%	-	-	0.01%	0.01%
SiO_2	0.01%	-	-	0.01%	0.01%
TiO_2	0.001%	-	-	0.001%	0.001%
LOI	0.01%	-	-	0.01%	0.01%
Ag	(0.3+)	0.5	0.5	0.5	0.5
As	(0.5++)	5 (0.5++)	5 (0.5++)	5 (0.5++)	5 (0.5++)
Au	(2ppb++)	(2ppb++)	(2ppb++)	(2ppb++)	(2ppb++)
Ba	2	3	3	2	2
Be	1			1	1
Bi		0.4	0.1	0.4	0.1
Br	(0.5++)	(0.5++)	(0.5++)	(0.5++)	(0.5++)
Cd	(0.5+)	(0.5+)	(0.5+)	(0.5+)	(0.5+)
Co	(1++)	1	1	1	1
Cr	(0.5++)	20 (0.5++)	20 (0.5++)	20 (0.5++)	20 (0.5++)
Cs	(1++)	0.5	0.1	0.5	0.1
Cu	(1+)	10 (1+)	10 (1+)	10 (1+)	10 (1+)
Fe		(0.01%++)	(0.01%++)		
Ga		1	1	1	1
Ge		1	0.5	1	0.5
Hf	(1++)	0.2	0.1	0.2	0.1
In		0.2	0.1	0.2	0.1
Ir	(5ppb++)	(5ppb++)	(5ppb++)	(5ppb++)	(5ppb++)
Mo	(5++)	2	2	2	2
Na		(0.01%++)	(0.01%++)		
Nb		1	0.2	1	0.2
Ni	(1+)	20 (1+)	20 (1+)	20 (1+)	20 (1+)
Pb	(5+)	5	5	5	5
Rb	(20++)	2	1	2	1
S	(10+)	(10+)	(10+)	(10+)	(10+)
Sb	(0.2++)	0.5 (0.2++)	0.2	0.5 (0.2++)	0.2
Sc	1	(0.1++)	(0.1++)	1 (0.1++)	1 (0.1++)
Se	(3++)	(3++)	(3++)	(3++)	(3++)
Sn		1	1	1	1
Sr	2	2	2	2	2
Ta	(0.5++)	0.1	0.01	0.1	0.01
Th	(0.2++)	0.1	0.05	0.1	0.05
Tl		0.1	0.05	0.1	0.05
U	(0.5++)	0.1	0.01	0.1	0.01
V	5	5	5	5	5
W	(1++)	1	0.5	1	0.5
Y	1	1	0.5	1	0.5
Zn	(1+)	30 (1+)	30 (1+)	30 (1+)	30 (1+)
Zr	2	5	1	2	1
La	(0.5++)	0.1	0.05	0.1	0.05
Ce	(3++)	0.1	0.05	0.1	0.05
Pr		0.05	0.01	0.05	0.01
Nd	(5++)	0.1	0.05	0.1	0.05
Sm	(0.1++)	0.1	0.01	0.1	0.01
Eu	(0.2++)	0.05	0.005	0.05	0.005
Gd		0.1	0.01	0.1	0.01
Tb	(0.5++)	0.1	0.01	0.1	0.01
Dy		0.1	0.01	0.1	0.01
Ho		0.1	0.01	0.1	0.01
Er		0.1	0.01	0.1	0.01
Tm		0.05	0.005	0.05	0.005
Yb	(0.2++)	0.01	0.002	0.01	0.002
Lu	(0.005++)	0.01	0.002	0.01	0.002
1-10 Samples	$39.00	$63.00	$105.00	$90.00	$130.00
11+ Samples	$34.00	$58.00	$86.00	$75.00	$105.00

All elements are in ppm except where noted. Prices per sample.
+ Sulphide sulphur and soluble sulphates are extracted

Lithogeochemistry and Whole Rock Analysis

Code 4C: Lithium Borate Fusion / XRF Whole Rock Package. Samples containing >1% barite or sulphide should be analyzed with Code 4B. A minimum sample weight of 3g is required. We reserve the right to change analytical method to Code 4B if required by the sample composition.

WRA-XRF	
Package	4C
Al_2O_3	0.01%
CaO	0.01%
Cr_2O_3	0.01%
Co_3O_4	0.005%
CuO	0.005%
Fe_2O_3	0.01%
K_20	0.01%
MgO	0.01%
MnO	0.001%
Na_2O	0.01%
NiO	0.003%
P_2O_5	0.01%
SiO_2	0.01%
TiO_2	0.01%
V_2O_5	0.003%
LOI	0.01%
1-10 Samples	$37.00
11+ Samples	$33.00

When submitting pulp material it must be 95% -74 µm or additional pulverization charges will apply.

Add-ons	Surcharge
4E-XRF	$25.20
4E ICP-MS	$41.50

INAA and multi-methods			
Package	4A-research	4E-expl.	4E-research
Al_2O_3	-	0.01%	0.01%
CaO	-	0.01%	0.01%
Fe_2O_3	-	0.01%	0.01%
K_20	-	0.01%	0.01%
MgO	-	0.01%	0.01%
MnO	-	0.01%	0.01%
Na_2O	-	0.01%	0.01%
P_2O_5	-	0.01%	0.01%
SiO_2	-	0.01%	0.01%
TiO_2	-	0.01%	0.01%
LOI	-	0.01%	0.01%
Ag	2	0.5	0.5
As	1	2	1
Au	2 ppb	5 ppb	1 ppb
Ba	20	3	1
Be	-	1	1
Bi	-	2	2 (0.1 ‡‡)
Br	0.5	1	0.5
Ca	0.2%	-	-
Cd	-	0.5	0.5
Co	0.1	1	0.1
Cr	0.5	1	0.5
Cs	0.2	0.5	0.2 (0.1 ‡‡)
Cu	-	1	1
Fe	0.01%	-	-
Ga	-	(5 ‡)	(5 ‡) (1 ‡‡)
Ge	-	-	(0.5 ‡‡)
Hf	0.2	0.5	0.2 (0.1 ‡‡)
Hg	-	1-1000ppm	1-1000ppm
In	-	-	(0.1 ‡‡)
Ir	2 ppb	2	2
Mo	2	5	2
Na	0.001%	-	-
Nb	-	(1 ‡)	(1 ‡) (0.2‡‡)
Ni	50	1	1
Pb	-	(5 ‡)	(5 ‡)
Rb	10	20 (2 ‡)	10 (2 ‡) (1 ‡‡)
S	-	0.001%	0.001%
Sb	0.1	0.2	0.1
Sc	0.01	0.1	0.01
Se	0.5	3	0.5
Sn	-	(5 ‡)	(5 ‡) (1 ‡‡)
Sr	100	2	2
Ta	0.3	1	0.3 (0.01‡‡)
Th	0.1	0.5	0.1 (0.05 ‡‡)
Tl	-	-	(0.05 ‡‡)
U	0.1	0.5	0.1 (0.01 ‡‡)
V	-	5	5
W	1	3	1
Y	-	1	1
Zn	10	2	2
Zr	-	4	4 (1 ‡‡)
La	0.05	0.5	0.05
Ce	1	3	1 (0.05 ‡‡)
Pr	(0.01 †)	-	(0.01 ‡‡)
Nd	1	5	1 (0.05 ‡‡)
Sm	0.01	0.1	0.01
Eu	0.05	0.1	0.05 (0.005 ‡‡)
Gd	(0.01 †)	-	(0.01 ‡‡)
Tb	0.1	0.5	0.1 (0.01 ‡‡)
Dy	(0.01 †)	-	(0.01 ‡‡)
Ho	(0.01 †)	-	(0.01 ‡‡)
Er	(0.01 †)	-	(0.01 ‡‡)
Tm	(0.01 †)	-	(0.005 ‡‡)
Yb	0.05	0.1	0.05 (0.01 ‡‡)
Lu	0.01	0.05	0.01 (0.002 ‡‡)
1-10 Samples	$82.15	$65.65	$143.05
11+ Samples	$77.45	$59.60	$131.25

Research designation: indicates lower detection limits.

Code 4A-research: Grades are determined by INAA. A minimum sample weight of 2 g is recommended. REE chondrite plots are provided at no charge.

- † **Code 4A RES-MS**: elements indicated by † are analyzed by fusion ICP-MS.

Code 4E: This package uses ICP and INAA technologies to completely characterize geological samples. This package is not suitable for analyzing concentrates or mill products. A minimum sample weight of 5 g is required.

Code 4E Add-Ons

- ‡ **Code 4E-XRF** elements Ga, Pb, Sn, Nb and Rb are examined by Pressed Pellet XRF. This package can be added to Code 4E exploration or Code 4E research (please add 6 g of sample).
- ‡‡ **Code 4E ICP-MS** add-on option: can only be added to Code 4E research grade.

Code 4F: Other analyses associated with WRA (can be added to any Code 4 package). Add 1 gram for each option chosen (see page 16).

All elements are in ppm except where noted. Prices per sample.

APPENDIX V

Point of Interest Table

(Table 3)

Enable Property Point of Interest Table 3							
POI_#	Date	UTM Zone	Easting	Northing	Elevation	Description	Photo(s)
46	06-Sep-22	NAD 83 / Zone 16	491805	5408873	312	Fine-grained mafics, fractured, rust patches, much loose rubble over the outcrop (blasted in the past?).	no

APPENDIX VI

List of Mining Cells-Claims

(Table 4)

Enable List of Mining Cells-Claims Table 4					
TENURE_NUM	PROPERTY	TITLE_TY_1	ISSUE_DATE	ANNIVERSARY	HOLDER
600807	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600813	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600808	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600809	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600810	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600811	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600812	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600814	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600815	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600816	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600817	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600818	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600819	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600820	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600821	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600822	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600823	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600824	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600825	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600826	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600827	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600828	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600829	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600830	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600831	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600832	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600833	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600834	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600835	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600836	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600837	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600838	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600839	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600840	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600841	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600842	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600843	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600844	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600845	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600846	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.
600847	Enable	Single Cell Mining Claim	20200725	20220725	(100) First Class Metals Canada Inc.

APPENDIX VII

Statement of Expenditures & Expenditures per Claim

(Table 5)

STATEMENT of EXPENDITURES

The following is a breakdown of expenditures related to the 2022-2023 field program on the Enable Property.

Labour:

Management, preparation, field work, travel	
Labour	$ 18,100.00
Prepare maps etc.	
Drafting & digitizing	$ 1,505.75
Report Writing	
Report Writing	$ 3,200.00

Associated Costs:

Meals & Groceries	$ 685.13
Ground Transportation (4830.50km x $1.00/km)	$ 4,830.50
House Rental	$ 1,703.36
Apartment Rental	$ 182.00
Gas for ATV & Ski-doo	$ 184.28
Boat Rental	$ 100.00
ATV Rental	$ 1,400.00
Supplies	$ 87.74
Ski-doo Rental	$ 600.00

Analytical Costs:

Actlabs Labs (82 rock-grab samples)	$ 3,757.80
TOTAL EXPENDITURES	**$ 36,336.56**

Table 5	Expenditure per Claim		
Cell No.	Rock Samples Collected per Cell	Lake Sediment Samples Collected per Cell	Expenditure per Cell
600811	13		$ 4,411.00
600814	6		$ 2,036.00
600816		1	$ 1,419.00
600818	4		$ 1,357.00
600823	3		$ 1,018.00
600824	4		$ 1,357.00
600825	32		$ 10,856.00
600826	2		$ 679.00
600833		1	$ 1,419.00
600838	4		$ 1,357.00
600840		1	$ 1,419.00
600841	11		$ 3,732.00
600844		1	$ 1,419.00
600845	3	1	$ 2,438.00
600846		1	$ 1,419.00
Total	**82**	**6**	**$ 36,336.00**

APPENDIX VIII

Daily Log
(Table 6)

Enable 2022 Daily Log Table 6

Date	B. Maclachlan days	Field work	Activities		C. Robertson days	Field work	Activities		F. Lowndes days	Field work	Activities		D. Kakeeway days	Field work	Activities
May-07-2022	1	Prospecting	Prospecting northwest of the powerline.		1	Prospecting	Prospecting northwest of the powerline.								
May-29-2022									1	Prospecting	Prospecting west of the main logging road		1	Prospecting	Prospecting west of the main logging road
May-30-2022									1	Prospecting	Prospecting north of the powerline		1	Prospecting	Prospecting north of the powerline
May-31-2022									1	Prospecting	Prospecting north of Perch lake		1	Prospecting	Prospecting north of Perch lake
June-01-2022									1	Prospecting	Prospecting in the vicinity of Perch lake		1	Prospecting	Prospecting in the vicinity of Perch lake
June-02-2022									1	Prospecting	Prospecting west of the main logging road		1	Prospecting	Prospecting west of the main logging road
June-03-2022									1	Prospecting	Prospecting west of the Agasouban River		1	Prospecting	Prospecting west of the Agasouban River
September-06-2022	1	Prospecting	Prospecting in the vicinity of the 2 & 7gpt Au samples.		1	Prospecting	Prospecting in the vicinity of the 2 & 7gpt Au samples.								
March-14-2023									1	Travel	Travel Sault Ste. Marie - Marathon				
March-15-2023									1	Trail work	Broke open trail to Perch Lake				
March-16-2023									1	Trail work	Brushed out trail to 7g/t Au sample				
March-17-2023									1	Lake sediment sampling	Collecting lake sediments				
Total Days	**2**				**2**				**10**				**6**		

APPENDIX IX

Map Sheets

489500 490000 490500 491000 491500 492000 492500 493000 493500

5409500 5409000 5408500 5408000 5407500

N W E S

600822 600838 600827 600831 600833 600816 600829 600812 600819 600820

600837 600847 600830 600828 600824 600825 600826 600818 600845 600840

600821 600813 600823 600814 600842 600811 600843 600817 600844 600846

600841 600808 600809 600810 600832 600815 600834 600839 600835 600836

STREY

Perch Lake

Terrace Bay

697937 697881 697883 697882

697860 697917 697859

697916 697854 697908 697907 697875 697874 697906 697939 697940 697938

697914 697858

697862 697866 697920 697918 697919 697865 697863

B25513 B25512

697861 697853 697852 697904 697905 697903 697851 697902 697901

E5830176 697930 E5830177 E5830173 E5830175 697911 697913 697912 697856 697855 E5830174

697872 697871 697910 697909 697870 697921 697922 697923 697924 697925 697926 697927 697869 E5830178 697868 697873 697867 697928 697929 697857 697886 697884 697885

697878 697877 697876 697932 697931 697933 697934 697935 697936 697879 697880

Meters

Kilometers

Legend

- Surface_Sample
- Power line

First Class Metals

NAD 1983 UTM Zone 16N

ENABLE Project, Ontario

Surface Samples Number

0 62.5 125 250 375 500

Meters

Date: 13/03/2023

Scale = 1:5,007

489500 490000 490500 491000 491500 492000 492500 493000 493500

5409500 5409000 5408500 5408000 5407500

600822 600838 600827 600831 600833 600816 600829 600812 600819 600820

600837 600847 600830 600828 600824 600825 600826 600818 600845 600840

600821 600813 600823 600814 600842 600811 600843 600817 600844 600846

600841 600808 600809 600810 600832 600815 600834 600839 600835 600836

STREY

Perch Lake

N W E S

Legend

Au ppb

- 2.50 - 100.00
- 100.01 - 250.00
- 250.01 - 500.00
- 500.01 - 1000.00
- 1000.01 - 7040.00
- Power line

First Class Metals

NAD 1983 UTM Zone 16N

ENABLE Project, Ontario

Surface Samples Au ppb

0 62.5 125 250 375 500 Meters

Date: 13/03/2023

Scale = 1:5,007

Terrace Bay

0 1.25 2.5 5 7.5 10 Kilometers

0 5 10 20 30 40 50 Meters

488000 490000 492000 494000

5410000

5408000

5406000

Minnow Lake

Aguasabon River

Perch Lake

PRISKE

STREY

Ayah Lake

Twain Lake

Big Duck Creek

N W E S

600822 600838 600827 600831 600833 600816 600829 600812 600819 600820

600837 600847 600830 600828 600824 600825 600826 600818 600845 600840

600821 600813 600823 600814 600842 600811 600843 600817 600844 600846

600841 600808 600809 600810 600832 600815 600834 600839 600835 600836

600807

Legend

- Surface_Sample
- Doug_20220606_walk
- Doug_20220605_walk
- Doug_20220604_walk
- Doug_20220530_walk
- BL_Enable_20220604_walking
- BL_Enable_20220603_walking2
- BL_Enable_20220603_walking1
- BL_Enable_20220602_walking
- BL_Enable_20220601_walking
- BL_Enable_20220603_ATV
- BL_Enable_20220602_ATV
- BL_Enable_20220601_ATV
- CR_Trav_202209-06_Enable
- BM_Trav_202205-07_Enable
- Power line

First Class Metals

NAD 1983 UTM Zone 16N

ENABLE Project, Ontario

Track Location

0 135 270 540 810 1,080 1,350

Meters

Date: 13/03/2023

Scale = 1:20,000

489500 490000 490500 491000 491500 492000 492500 493000 493500 494000

5410000 5409500 5409000 5408500 5408000 5407500

N W E S

600822 600838 600827 600831 600833 600816 600829 600812 600819 600820

600837 600847 600830 600828 600824 600825 600826 600818 600845 600840

600821 600813 600823 600814 600842 600811 600843 600817 600844 600846

600841 600808 600809 600810 600832 600815 600834 600839 600835 600836

600807

STREY

A1104873 A1104874

A1104878 A1104875 A1104877 A1104876

Perch Lake

Legend

- Lake_Sediment_Samples
- BL_Enable_202303_17_Walking
- BL_Enable_202303_16_Walking
- BL_Enable_202303_15_Walking
- BL_Enable_202303_17_Skidoo
- BL_Enable_202303_16_Skidoo
- BL_Enable_202303_15_Skidoo
- Power line

First Class Metals

NAD 1983 UTM Zone 16N

ENABLE Project, Ontario

Winter Tracks and Lake Sediment Sample

0 75 150 300 450 600

Meters

Date: 19/03/2023

Scale = 1:6,000

Cell#	Grab & channel samples	82 samples @ $45.82/sample ($3,757.80)	Other	Other2	POI's @ $XXX ($XXXX)	Humus	XX Humus @ $xxxx/sample ($XXXX)	Lake Seds	XXX lake sediments 6@ $1,419.25 ($8,515.53)	Total # of samples	labour, travel, out of pocket $24,063.23 / 82 samples = $293.45/sample		Rounding
600811	11	$ 504.02									$ 3,814.85	$ 4,318.87	$ 4,319.00
600814	6	$ 274.92									$ 1,760.70	$ 2,035.62	$ 2,036.00
600816								1	$ 1,419.25			$ 1,419.25	$ 1,419.00
600818	4	$ 183.28									$ 1,173.80	$ 1,357.08	$ 1,357.00
600823	3	$ 137.46									$ 880.35	$ 1,017.81	$ 1,018.00
600824	4	$ 183.28									$ 1,173.80	$ 1,357.08	$ 1,357.00
600825	32	$ 1,466.24									$ 9,390.40	$ 10,856.64	$ 10,856.00
600826	2	$ 91.64									$ 586.90	$ 678.54	$ 679.00
600833								1	$ 1,419.25			$ 1,419.25	$ 1,419.00
600838	4	$ 183.28									$ 1,173.80	$ 1,357.08	$ 1,357.00
600840								1	$ 1,419.25			$ 1,419.25	$ 1,419.00
600841	11	$ 504.02									$ 3,227.95	$ 3,731.97	$ 3,732.00
600844								1	$ 1,419.25			$ 1,419.25	$ 1,419.00
600845	3	$ 137.46						1	$ 1,419.25		$ 880.35	$ 2,438.06	$ 2,438.00
600846								1	$ 1,419.25			$ 1,419.25	$ 1,419.00
	80	**$ 3,665.60**	**$ -**						**$ 8,515.50**	**0**	**$ 24,062.90**	**$ 36,245.00**	**$ 36,244.00**

		Invoice 903	Invoice 918	Invoice 935	Invoice 941	Invoice 971	Invoice 992	Invoice 1011
labour	$ 17,300.00	$ 9,800.00	$ 1,550.00		$ 1,400.00			$ 4,550.00
report	$ 3,200.00							$ 3,200.00
meals	$ 685.13		$ 232.99		$ 56.55			$ 395.59
Mileage	$ 4,830.50	$ 1,558.50	$ 2,325.00		$ 179.00			$ 768.00
gas for ATV/ski-doo	$ 184.28		$ 98.44					$ 85.84
house rental	$ 1,703.36	$ 300.00			$ 175.00			$ 1,228.36
apartment rental	$ 182.00				$ 182.00			
camp rental								
motel								
postage								
supplies	$ 7.75							$ 7.75
Tom	$ 847.00	$ 154.00		$ 462.00			$ 231.00	
Rocks	$ 3,757.80	$ 88.20		$ 3,384.60		$ 285.00		
Supervision	$ 800.00							$ 800.00
Ski-doo rental	$ 600.00							$ 600.00
Oil for ski-doo	$ 79.99							$ 79.99
Boat rental	$ 100.00	$ 100.00						
ATV	$ 1,400.00	$ 700.00	$ 700.00					
Serge	$ 658.75							$ 658.75
	$ 36,336.56	**$ 12,700.70**	**$ 4,906.43**	**$ 3,846.60**	**$ 1,992.55**	**$ 285.00**	**$ 231.00**	**$ 12,374.28**
remove 2 assays	$ 36,244.92							

Table 5	Expenditure per Claim		
Cell No.	Rock Samples Collected per Cell	Lake Sediment Samples Collected per Cell	Expenditure per Cell
600811	11		$ 4,319.36
600814	6		$ 2,036.00
600816		1	$ 1,419.00
600818	4		$ 1,357.00
600823	3		$ 1,018.00
600824	4		$ 1,357.00
600825	32		$ 10,856.00
600826	2		$ 679.00
600833		1	$ 1,419.00
600838	4		$ 1,357.00
600840		1	$ 1,419.00
600841	11		$ 3,732.00
600844		1	$ 1,419.00
600845	3	1	$ 2,438.00
600846		1	$ 1,419.00
Total	**80**	**6**	**$ 36,244.36**
			remove 2 assays