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NORTH LIMB PROJECT

WORK REPORT OF THE SUMMER 2020 EXPLORATION PROGRAM ON THE NORTH LIMB PROJECT, HEMLO AREA, ONTARIO For HEMLO EXPLORERS INC.

NTS Map sheet 42C/13

Bruce MacLachlan P. Geo (Limited)

February 22, 2021

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1.0 -SUMMARY-

From July to October of 2020 a prospecting and humus (A horizon) soil sampling program was carried out on Hemlo Explorers Inc.'s North Limb claim group, see Figure 3.

264 humus samples on 11 lines and 218 grab samples were collected for gold fire assay and trace element ICP analysis, see Tables 1 and 2 and Map Sheets. Work was carried out by truck, ATV and boat from Marathon, Manitouwadge and Pic Mobert First Nation.

Prospecting returned up to **963ppb Au** (sample 1127259) from a unit of fine-grained, magnetic black host rock with sugary quartz bands on the northern margin of the Armand Lake Porphyry at a historical trench. Other samples of interest include:

- a cluster of anomalous samples north of the Lunny Lake Porphyry and west of the Armand Lake Porphyry, within a west-northwest-east-southeast-trending magnetic horizon of sediments or mafic volcanics, up to **263ppb Au** (sample 1127353). These also returned up to **4300ppm Zn** (sample 624190), the highest Zn value of the program.
- a cluster of anomalous samples in the vicinity of the Lunny Lake Porphyry, up to **271ppb Au** (sample W1279865) from mafic volcanic float with 10% pyrite stringers and porphyry breccia, and up to **140ppb Au** (sample 1127378) from sericite schist with quartz veins in outcrop.
- a sample close to the southern interpreted contact of the Lunny Lake Porphyry which returned **208ppb Au** (sample 1127437) from sediments with stringers of fine-grained pyrite, approximately 125m east of the trace of historical diamond drill hole F1-95-2 which returned **37.4gpt Au** / 1.0m.
- a sample of altered porphyry south of where the Armand Lake Porphyry is mapped which returned **149ppb Au** (W1279870), striking 135/66 degrees SW.
- a sample at the historical Kusins showing in the southwest part of the property which returned **266ppb Au** (sample 1127411) from semi-massive pyrite. **2450ppm Zn** (sample 1127408) and **1850ppm Pb** (sample 1127410) were also obtained here, which were the second highest and highest values of the program for Zn and Pb, respectively.

Prospecting also returned values up to **995ppm Mo** (sample 1127371) from a trench at the western mapped extent of the Musher Lake Porphyry. Up to **2150ppm Ni** was also obtained from sample 1127252 at the south end of soil line 2, perhaps corresponding to a gabbro sill.

Soil sampling returned up to **41ppb Au** in a string of four samples which yielded the highest Au fire assay values of the program, within the northern half of the interpreted Armand Lake Porphyry. A few other elevated values relative to background in the **30s ppb Au** were discovered close to the northern contacts of the Lunny Lake and Armand Lake Porphyries. Gold results from trace element analysis yielded **41ppb Au** on soil line 5 west of the Armand Lake Porphyry and **49ppb Au** on soil line 11 north of the southern contact of the Armand Lake Porphyry. Results of soil sampling did not necessarily reflect anomalous gold in nearby outcrops. Results of soil sampling also yielded elevated base metal values associated with magnetic horizons.

While no high Au values were obtained during the program, sampling demonstrated the widespread presence of gold mineralization on the property, as well as strong alteration and shearing, and provided targets to follow up on.

2.0 -INTRODUCTION-

Hemlo Explorers Inc. (formerly Canadian Orebodies Inc.) acquired the North Limb Property in April 2016. Adjoining ground was acquired from O3 Mining in May 2020. The main target mineral is gold based on previous discoveries on the property, which bear some similarities to the nearby world-class Hemlo gold deposit. Several base metal occurrences have also been discovered on the property. Details of the 2020 work program are presented below.

2.1 PROPERTY DESCRIPTION, PERMIT, LOCATION AND ACCESS

Hemlo Explorers Inc.'s North Limb project is located northeast of Lake Superior in northeastern Ontario. The property is situated approximately 40 kilometres northeast of the town of Marathon and approximately 20 kilometres northeast of the Hemlo Gold Mine (see Figure 5).

The North Limb property is comprised of 484 cell-claims, including 134 Boundary Cell Mining Claims and 350 Single Cell Mining Claims. See Figure 3.

The Ministry of Northern Development and Mines (MNDM) has issued Exploration Permit Number: PR-20-0000143 for the North Limb property.

2.2 CLIMATE, RESOURCES, LOCAL INFRASTRUCTURE AND PHYSIOGRAPHY

The North Limb 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 275 to 440 m.

The property is located approximately 37km's south of the town of Manitouwadge, Ontario and 13km's north of Highway 17, see Figure 2. Access to the property is best achieved by turning north off Highway 17 on to Highway 614 and travelling north for approximately 14 km's to the central portion of the property, from this point turning west on the Amwri Lake Road or east on the Lunny Lake Road, see Figure 2.

Access to the central portion of the property and immediately west of Highway 614 is best achieved by travelling along the Amwri Lake road for approximately 4.6km's by truck at which point one will intersect the Pinegrove Road, 700 metres north of the east end of Petrant Lake, see Figure 2.

Access to the central portion of the property and immediately east of Highway 614 is best achieved by parking ~150 metres east of Highway 614 and travelling east along the Lunny Lake Road by ATV for approximately 8km's, see Figure 2.

Access to the western portion of the property is best achieved by turning west off Highway 614 (~28km's north of Highway 17) on to the Swede road and travelling south for approximately 21km's, see Figure 2.

Access to the northwest and central western portion of the property is best achieved by turning west off Highway 614 (~19km's north of Highway 17) onto the Pinegrove road and travelling south for approximately 9km's, see Figure 2.

Access to the most southeastern portion of the property is best achieved by turning east off Highway 614 (~5km's north of Highway 17) and travelling east by truck along the Wabikoba Lake Road for approximately 9km's. From this point one travels 5km's by ATV, crossing the Theresa Lake Dam and travelling 2 additional kilometres by ATV, Figure 2. It is important to note that the Theresa Lake Dam bridge is only wide enough to accommodate an average width ATV, it is not wide enough for a side by side.

Topography is comprised of moderately flat-lying ground with gentle rolling hills. Vegetation is generally comprised by a variety of second growth trees. Vegetation in the area consists generally of a mix of spruce, balsam, birch, cedar and alders. Significant water bodies include Valley, Petrant, Summers, Lunny and Theresa Lakes.

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 2020 field program was carried out by Bruce MacLachlan and Coleman Robertson of Emerald Geological Services (EGS) and by Prospector Doug Kakeeway and assistants Bill Simmons, Duane Ineese & Jerome Desmoulin.

Tom Savage of Superior Geospatial provided drafting and GIS support.


N
Manitoba
Ontario
Quebec
Red Lake
Kenora
Sioux Lookout
Dryden
Nakina
Geraldton
North Limb Property
Thunder Bay
Marathon
Wawa
Timmins
Kirkland Lake
Sault Ste. Marie
Sudbury
Ottawa
Toronto
0 90 180
Kilometers
Hemlo Explorers
North Limb Property
General Location Map
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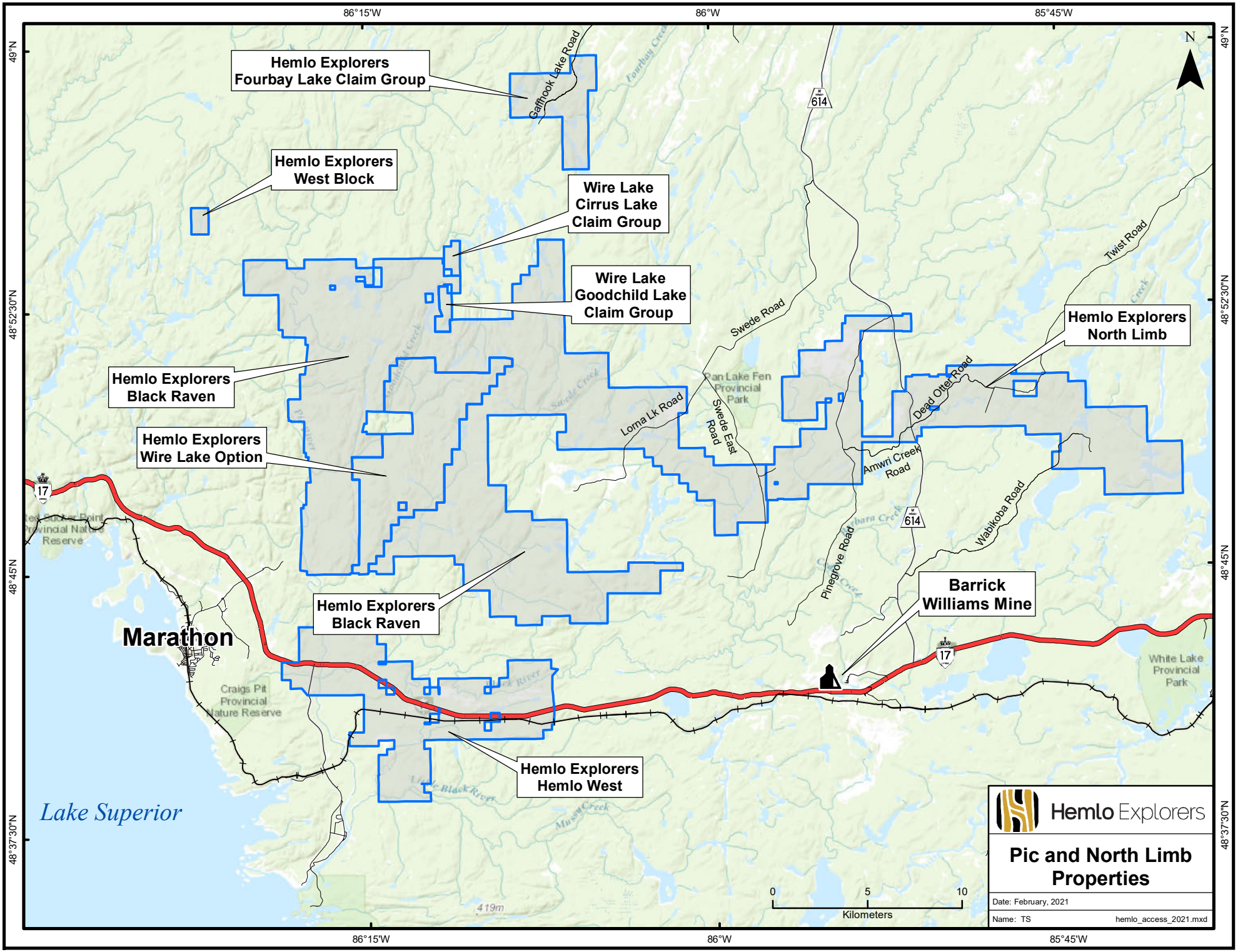
Name: TS
File: ontloc_2021_nlimb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86°W
85°45'W
49°N
48°52'30"N
48°45'N
48°37'30"N
N
Hemlo Explorers
Fourbay Lake Claim Group
Gaffhook Lake Road
Fourbay Creek
614
Hemlo Explorers
West Block
Wire Lake
Cirrus Lake
Claim Group
Wire Lake
Goodchild Lake
Claim Group
Twist Road
Swede Road
Hemlo Explorers
North Limb
Hemlo Explorers
Black Raven
Dan Lake Fen
Provincial
Park
Dead Otter Road
Lorna Lk Road
Swede East
Road
Hemlo Explorers
Wire Lake Option
Amwri Creek
Road
17
Wabikoba Road
614
Pinegrove Road
Barrick
Williams Mine
Hemlo Explorers
Black Raven
Marathon
17
White Lake
Provincial
Park
Craigs Pit
Provincial
Nature Reserve
Hemlo Explorers
Hemlo West
Lake Superior
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10
Kilometers
Hemlo Explorers
Pic and North Limb
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Name: TS
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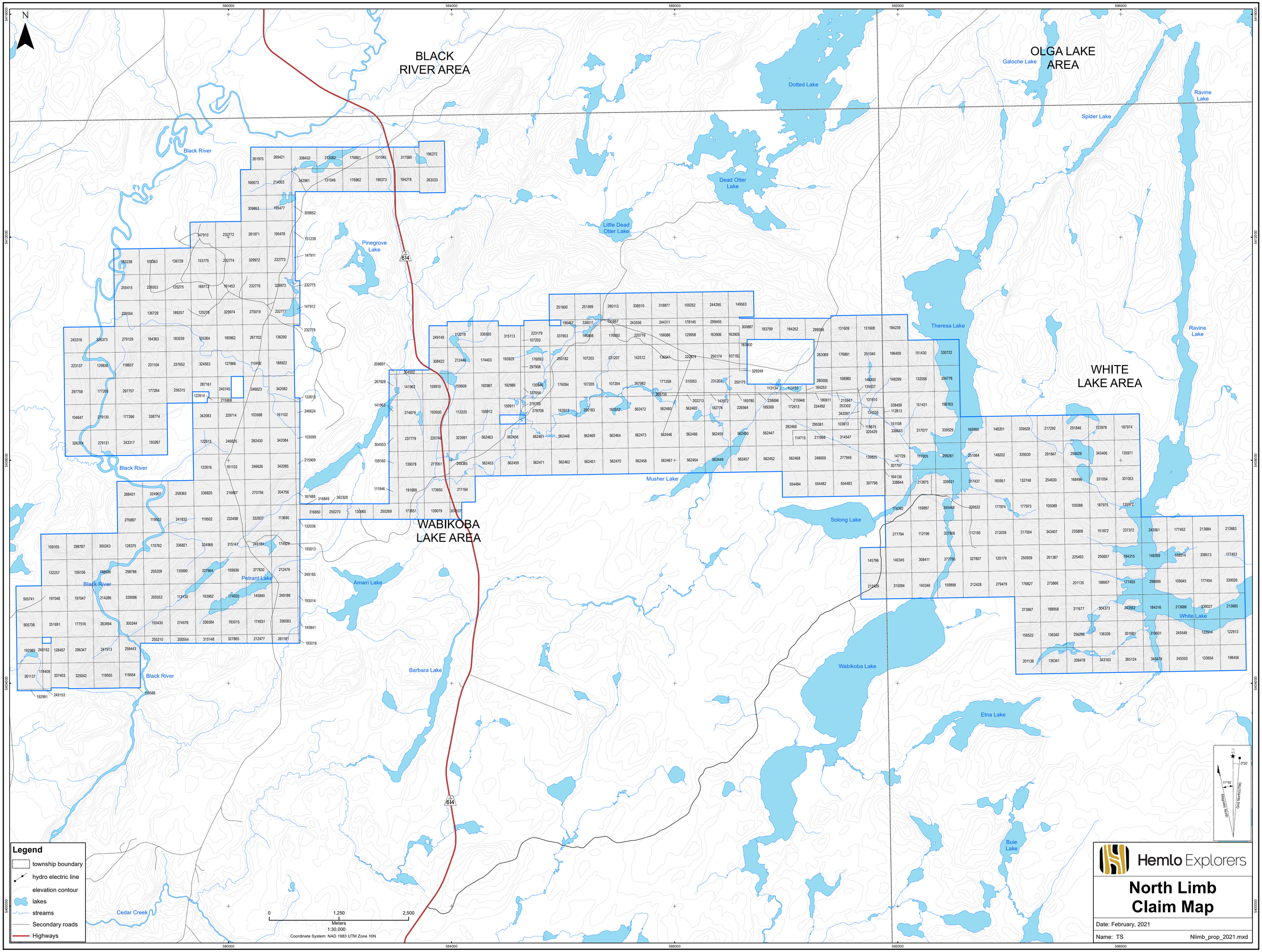

N
BLACK RIVER AREA
OLGA LAKE AREA
WHITE LAKE AREA
WABIKOBA LAKE AREA
Galoche Lake
Dotted Lake
Ravine Lake
Spider Lake
Black River
Dead Otter Lake
Little Dead Otter Lake
Pinegrove Lake
614
Theresa Lake
Musher Lake
Solong Lake
Petrant Lake
Amwri Lake
Barbara Lake
Wabikoba Lake
White Lake
Etna Lake
Buie Lake
Cedar Creek
Legend
township boundary
hydro electric line
elevation contour
lakes
streams
Secondary roads
Highways
0
1,250
2,500
Meters
1:30,000
Coordinate System: NAD 1983 UTM Zone 16N
Hemlo Explorers
North Limb Claim Map
Date: February, 2021
Name: TS
Nlimb_prop_2021.mxd

3.0 -GEOLOGY-

3.1 REGIONAL GEOLOGY

The Hemlo greenstone belt of the Wawa sub-province of the Superior Province mainly consists of a sequence of Archean metasedimentary and felsic, intermediate and mafic metavolcanics rocks of ≥2720? Ma to ~2688 Ma (ages based on Corfu and Muir 1989a). Stratiform barite is documented at several localities 15 to 30 km west of the Hemlo deposit (Patterson 1985). This is of special interest because barite is also present in the Hemlo deposit, spatially associated with the orebody. The supracrustal rocks in the greenstone belt are metamorphosed. The metamorphic grades increase from upper greenschist facies in the western part of the belt to middle amphibolite facies in the eastern part of the belt (including the Hemlo deposit area) (Muir 1982a, 1982b; Kuhns et al. 1994; Jackson et al. 1998). Based on titanite ages, Corfu and Muir (1989b) conclude that regional amphibolite-facies metamorphism occurred at ~2678-2676 Ma. The greenstone belt is intruded by granodioritic-tonalitic plutons and related dykes. Major plutons include the Pukaskwa Intrusive Complex, the Heron Bay Pluton, the Cedar Lake Pluton and the Gowan Lake Pluton. A marginal gneissic phase of the Pukaskwa complex yielded a U-Pb zircon age of ~2719 Ma. An internal phase of the complex, the Heron Bay Pluton and the Cedar Lake Pluton yielded U-Pb zircon ages of ~2688 Ma. The Gowan Lake pluton yielded a U-Pb zircon age of ~2678 Ma (all ages from Corfu and Muir 1989a) (Lin, S., 2001).

3.2 LOCAL AND PROPERTY GEOLOGY

The following is adapted from the Technical Report on the Lunny Lake Property, prepared by Price (2008), as the local geology from that report still applies to the current North Limb Property. The volcanic rocks of the North Limb Property occur in an antiformal pattern, with the Lunny Lake Area located at the apex of the fold structure. The eastern limb of the fold is covered by the Theresa Lake Area, and the western limb of the fold is covered by the Black River-Valley Area. The Northwest Area covers an off-shoot meta-volcanic unit that connects to the western limb of the antiform. The rocks to the east strike at an azimuth of ~110° and the rock units to the west of the property trend to the southwest with an azimuth of ~230°. The area is underlain by metamorphosed mafic, intermediate and felsic volcanic and sedimentary rocks. The mafic volcanic rocks consist of massive plagioclase phyric, amygdaloidal and pillowed flows with minor interbedded tuff and tuff breccia, and amphibolite. The intermediate to felsic volcanic rocks consist of massive rhyodacite, rhyolite, and quartz/feldspar porphyry flows with interbedded crystal tuff.

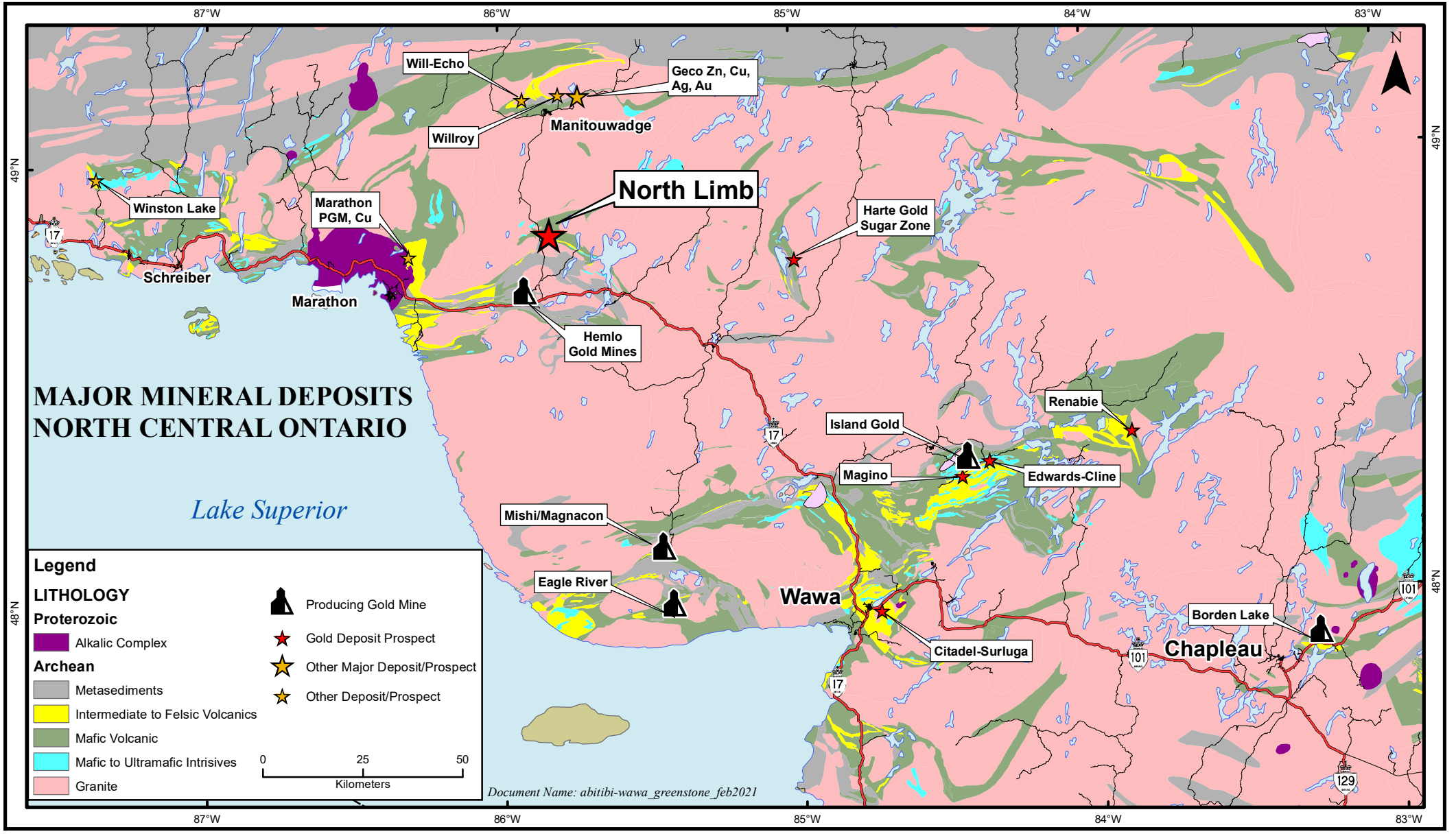
The sedimentary units consist of conglomerate, interspersed with lithic wacke, lithic arenites, shale, and graphitic shale. All the volcanic and sedimentary rocks have been intruded by the Musher Lake Pluton located to the south and the Dotted Lake pluton to the north. Within the volcanics, several sericitic porphyritic units with quartz eyes may represent altered rhyolitic tuffs or intrusive sills similar to the Moose Lake porphyry adjacent to the Hemlo deposits. Later diabasic dykes crosscut the apparent stratigraphy.

The western portion of the North Limb Property (Black River - Valley Area) is similar to the central Lunny Lake Area with regard to the underlying geology, with perhaps more shearing

present due to its position on the fold limb as opposed to the fold nose, and its position between two prominent felsic intrusions in the north (Black Pic Batholith and younger Gowan Lake Pluton), and another felsic intrusion in the southeast (Cedar Lake Pluton). Metasedimentary rocks are also preserved south of the antiformal greenstone belt on the North Limb property as part of the 'sandwiched' rock package, exposed in the southwestern portion of the property. The contact between the greenstone belt and the metasedimentary units represents an ancient volcanic flank where VMS-style mineralization would be expected. The southwest portion of the North Limb property also extends over a significant contact zone between the sheared greenstone belt and the Gowan Lake Pluton.

The eastern portion of the North Limb property is called the Theresa Lake Area. It contains a small amount of mafic intrusive rocks following the strike direction of the folded antiformal structure from the southeast corner of the Lunny Lake Area all the way over to White Lake. This area is more complicated geologically, as there are interfingering felsic intrusions and metasedimentary rocks along the southern contact with the ultramafic volcanics, along with a greenstone belt containing mafic and intermediate to felsic metavolcanics. The addition of the younger mafic intrusions could have remobilized metal-rich fluids, if present initially within the volcanic rocks of the greenstone belt. In the 2008 Technical Report, Price describes the Theresa Lake Area as being underlain by mafic meta-volcanic rocks consisting of pillowed basaltic flows, which grade into fine-medium and then coarse-grained amphibolites. Pillow shapes and orientations indicate a south younging direction overall. Interflow sediments, tuff, and iron formation are found intermixed within the mafic flow. A calc-silicate unit intermixed with felsic to intermediate flows and pyroclastic rocks overlies the mafic volcanics. This sequence grades into a thick succession of metasediments, consisting of conglomerates and greywacke. The metasediments on the North Limb Property have also been detailed by B. J. Price in 2008. They are important as they represent the flanks of the Archean submarine volcanics and may contain "anomalous amounts of gold mineralization" (Price, 2008). A detailed excerpt on metasedimentary geology in the Theresa Lake area follows:

"Three parallel interflow sedimentary units have been traced in a fairly continuous fashion across the entire property. These units consist of laminated greywacke, arkose, argillite, calcareous mafic to felsic volcanogenic sediments and tuffs and fine-grained amphibolite interbedded with chert, banded sulphide and banded magnetite-amphibole. Though these units could be labeled as 'iron formations,' banded magnetite probably accounts for less than 5% of the sequence in each unit. Each of these sedimentary units contains highly anomalous amounts of gold mineralization, as well as minor chalcopyrite, sphalerite and molybdenite. The lowermost unit is in contact with the Armand Lake Porphyry. They vary in thickness from 15 meters to less than 1 meter. Compositionally, they are quartz‐feldspathic, probably derived from exhalative chert, siltstones, or clay beds" (Pettigrew, N.T., Weston, L.A., 2016).


87°W
86°W
85°W
84°W
83°W
49°N
48°N
N
Will-Echo
Geco Zn, Cu, Ag, Au
Willroy
Manitouwadge
North Limb
Winston Lake
Marathon PGM, Cu
Harte Gold Sugar Zone
Schreiber
Marathon
Hemlo Gold Mines
MAJOR MINERAL DEPOSITS
NORTH CENTRAL ONTARIO
Lake Superior
Renabie
Island Gold
Magino
Edwards-Cline
Mishi/Magnacon
Eagle River
Wawa
Borden Lake
Citadel-Surluga
Chapleau
17
101
129
Legend
LITHOLOGY
Proterozoic
Alkalic Complex
Archean
Metasediments
Intermediate to Felsic Volcanics
Mafic Volcanic
Mafic to Ultramafic Intrisives
Granite
Producing Gold Mine
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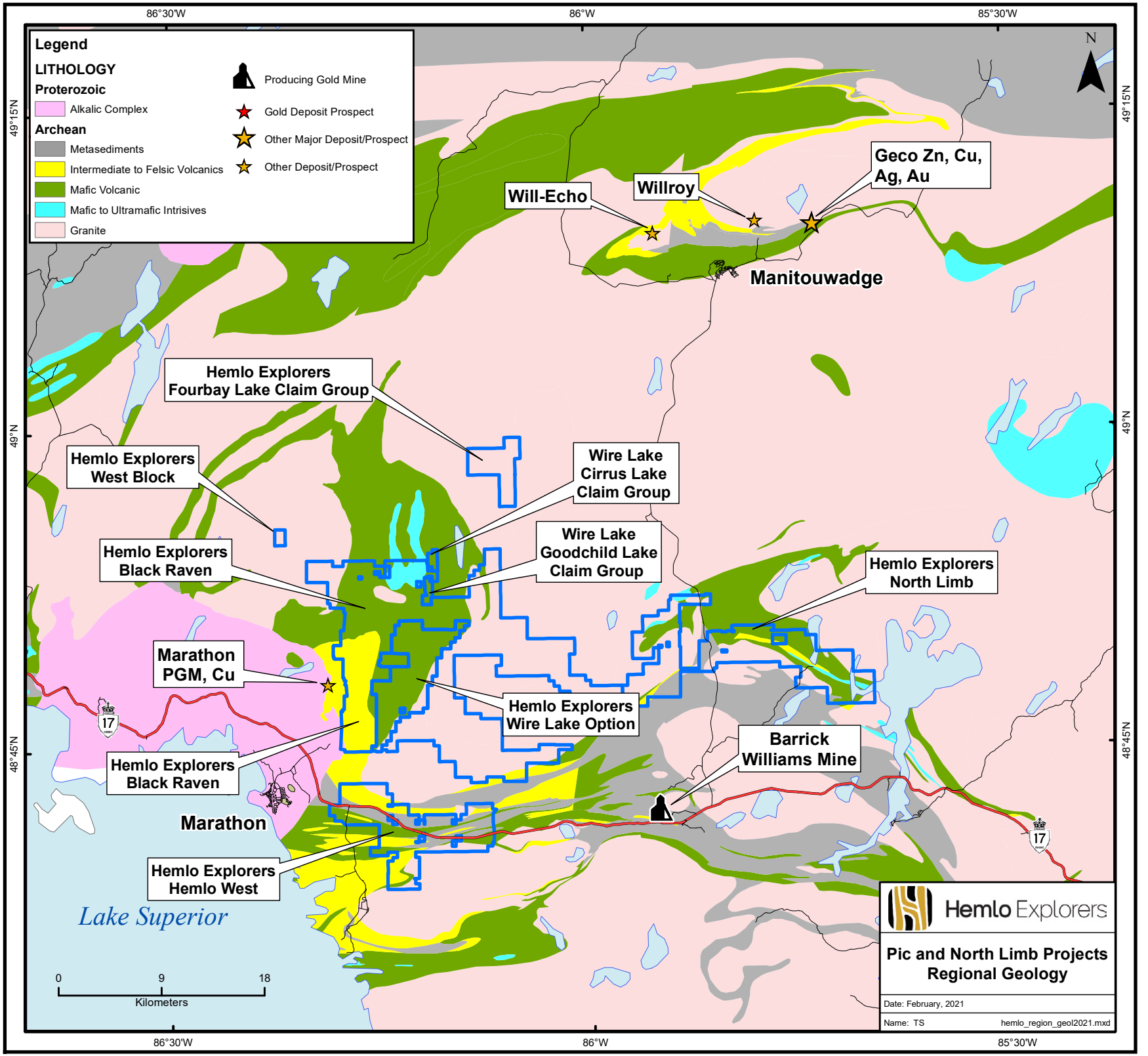
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Proterozoic
Alkalic Complex
Archean
Metasediments
Intermediate to Felsic Volcanics
Mafic Volcanic
Mafic to Ultramafic Intrisives
Granite
Producing Gold Mine
Gold Deposit Prospect
Other Major Deposit/Prospect
Other Deposit/Prospect
N
86°30'W
86°W
85°30'W
49°15'N
49°N
48°45'N
Will-Echo
Willroy
Geco Zn, Cu, Ag, Au
Manitouwadge
Hemlo Explorers Fourbay Lake Claim Group
Hemlo Explorers West Block
Wire Lake Cirrus Lake Claim Group
Hemlo Explorers Black Raven
Wire Lake Goodchild Lake Claim Group
Hemlo Explorers North Limb
Marathon PGM, Cu
Hemlo Explorers Wire Lake Option
Barrick Williams Mine
Hemlo Explorers Black Raven
Marathon
Hemlo Explorers Hemlo West
Lake Superior
17
0
9
18
Kilometers
Hemlo Explorers
Pic and North Limb Projects
Regional Geology
Date: February, 2021
Name: TS
hemlo_region_geol2021.mxd

4.0 -EXPLORATION HISTORY-

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1957	Canadian Pacific Railway	Geological report on the Hemlo area	Geological report by Bartley & Page (1957), file 42C13SE0059	Theresa Lake
1962	Macintyre Porcupine Mines Ltd.	Claims optioned from Cecil von Klein, diamond drilling (26 DDH, 1262 m)	Diamond Drilling report No 10 Wabikoba Lake Area (1962), file 42C13SW0089	Lunny Lake
1962	Macintyre Porcupine Mines Ltd.	Geological mapping conducted to determine mineral potential on von Klein option	Report on Geological mapping, von Klein Option, A. Skrecky (Dec 20, 1962), file 42C13SW0087	Lunny Lake
1962-1964	Macintyre Porcupine Mines Ltd.	Line-cutting, geological mapping, geophysical surveys and diamond drilling	Technical Report by B.J. Price (2008), file 20000003793	Lunny Lake
1964	Caravelle Mines Ltd.	Geochemical soil surveys, ground electromagnetic, magnetic and IP surveys, airborne magnetic survey, geological mapping and diamond drilling	Technical Report by B.J. Price (2008), file 20000003793	Lunny Lake
1965	Consolidated Mining and Smelting Co.	Diamond drilling (4 DDH, 222 m)	Diamond Drill report No. 11 Wabikoba Lake Area, file 42C13SW0091	Black River-Valley
1965	Caravelle Mines Ltd.	Combined Airborne geophysical surveys over 83 square miles	Combined Airborne geophysical surveys by Dr. W. Domsalski (July 30, 1965), file 42C13NE0010	Lunny Lake, Black River-Valley
1967	Falconbridge Nickel Mines Ltd.	Ground geophysical survey (one strong anomaly detected SW of Phil Lake correlated with mapped magnetic iron formation)	Report of geophysical assessment work, Phil lake, by L. C. Kilburn (Feb 13, 1967), file 42C13SW0082	Black River-Valley, Lunny Lake
1967	Falconbridge Nickel Mines Ltd.	Ground magnetometer and AFMAG-Longwire survey (no strong conductivity found)	Report of geophysical assessment work, Dead Otter Lake claims, by L. C. Kilburn (1967), file 42C13SW0080	Lunny Lake
1967-1969	Caravelle Mines Ltd.	Completed diamond drilling program (30 DDH, 4290 m)	Drilling report No 12, 13 Wabikoba Lake Area, files 42C13SW0090, 42C13SW0088	Lunny Lake, Black River-Valley
1976	Noranda Exploration Ltd.	Conducted magnetic and EM surveys (property showed weak response to CEM but had high magnetic background, no further work carried out)	Report on magnetic and EM survey on Dotted Lake-Dead Otter Lake property by S. D. Langstone (1976), file 42C13SW0076	Lunny Lake
1977	Noranda Exploration Ltd.	Line-cutting, magnetic survey, vertical loop survey (concluded that anomalies were of poor quality and strength)	Geophysical report on Dotted Lake area, by S. D. Langstone (1977), file 42C13SE0057	Theresa Lake
1982-1985	Qued Resources Corp.	Line-cutting, geological mapping, sampling, IP surveys, trenching, prospecting, diamond drilling	Technical Report by B.J. Price (2008), file 20000003793	Lunny Lake, Theresa Lake
1983	Midnapore Resources Inc.	Conducted VLF-EM and magnetometer surveys (3 magnetic terrains recognized on the property)	Report of geophysical surveys on Theresa Lake property by Seymour M. Sears (Nov 21, 1983), file 42C13SE0042	Theresa Lake
1983	Eden Roc Mineral Corp.	Magnetic and EM surveys (delineated 8 anomalous areas, unknown origin)	Report on Magnetics and Electromagnetics over the Firetower property by D. J. Gillis (July 18, 1983), file 42C13SW0030	Lunny Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1983	Midnapore Resources Inc.	Carried out geological mapping (property underlain by series of metavolcanic and sedimentary rocks intruded by granite, amphibolite, feldspar porphyry and diabase dykes, possibility of base and precious metals)	Report on Geological Mapping in the Theresa Lake area, by Joan Marie Barry (Sep 30, 1983), file 42C13SE0053	Theresa Lake
1983	R. J. McGowan & Trident Resources	Line-cutting, airborne geophysical survey, geochemical survey, ground VLF survey (located numerous geochemical anomalies along intrusions, 20 ppb Au described as 'anomalous' from sediments in the south)	Geotechnical assessment report on the Wabikoba Lake claims, by G. Lohman (1983), file 42C13SE0035	Theresa Lake
1983	Levelland Energy & Resources Ltd.	Airborne geophysical surveys by Aerodat 1570 km2	Report on magnetic and EM survey by Aerodat Ltd. (1983), file 42C13SE0048	Theresa Lake
1983	Qued Resources Corp.	Geological mapping, soil sampling, prospecting (mapping suggested that property underlain by thinly interbedded sequence of mafic-felsic volcanic tuffs and flows)	Report on the Geological mapping and Prospecting at the Musher Lake property, by T. R. Foster (Oct 7, 1983), file 42C13SW0016	Lunny Lake
1983	Flyer Resources Ltd.	Combined helicopter-borne magnetic and EM surveys	Report on Helicopter-borne magnetic and electromagnetic surveys by Aerodat (Oct 31, 1983), file 42C13SW0048	Theresa Lake
1983	Impala Resources Ltd.	Combined helicopter-borne magnetic and electromagnetic survey	Report on combined helicopter-borne magnetic and electromagnetic survey by Aerodat, Nov 1983, file 42C13SW0044	Black River-Valley
1983	Noranda Exploration Co. Ltd.	IP and magnetometer survey (located 12 magnetic features delineating southern edge of mafic volcanics and in places the southern edge of felsic- intermediate volcanics)	Report on the magnetometer survey by Don B. Sutherland (Oct 18, 1983), file 42C13SW0050	Black River-Valley, Lunny Lake
1983	Norman Resources Ltd.	Geological mapping, soil sampling, airborne magnetic-VLF-EM survey.	Report by George Cavey, file 42C13SW0363 (claim survey, mapping, soils, rock sampling), file 42C13SW0127 (addendum to report: mentions airborne Mag-EM)	
1983	Sunexco Energy Corp.	Combined helicopter-borne magnetic and EM surveys (conductors interpreted as thin and steeply-dipping structures)	Report on combined helicopter-borne magnetic and electromagnetic surveys by Aerodat (Sep 1983), file 42C13SE0055	Theresa Lake
1983	Tundra Gold Mines Ltd.	Combined helicopter-borne magnetic, electromagnetic and VLF-EM (1570 km2)	Report on combined helicopter-borne magnetic, electromagnetic and VLF-EM by Aerodat (Oct 1983), file 42C13SW0046	Black River-Valley
1983	Captain Consolidated Resources	Combined helicopter-borne magnetic and EM survey	Report on airborne magnetic and electromagnetic survey by Aerodat (Aug 1983), file 42C13SW0035	Black River-Valley

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1983	Thunderwood Exploration Ltd.	Combined helicopter-borne magnetic and EM survey (1570 km2, indicated thin, steeply-dipping conductor, possible bedrock conductor)	Report on airborne magnetic and electromagnetic survey by Aerodat (Oct 1983), file 42C13SW0047	Black River-Valley
1983	Synergy International	Combined helicopter-borne magnetic and EM survey (bedrock conductor indicated favourable Au mineralization zone)	Report on Combined helicopter-borne magnetic and electromagnetic survey by Aerodat (Oct 1983), file 42C13SW0045	Black River-Valley
1983	Noranda Exploration Ltd.	Diamond drilling (8 DDH, 1463m)	Drilling report No 14 Wabikoba Lake Area, file 42C13SW0073	Black River-Valley, Lunny
1983	Norman Mines Ltd.	Airborne magnetic and EM survey (1570 km2)	Combined helicopter-borne magnetic and electromagnetic survey by Aerodat (Oct 31, 1983), file 42C13SW0057	Theresa Lake
1983	Noranda Exploration Co. Ltd.	Conducted IP survey over Pryme Energy Option (located 14 IP zones, all within few 100m of mapped volcanic-sediment contact)	Report on the IP and resistivity survey, Pryme Energy Option, by Don B Sutherland (Oct 18, 1983), file 42C13SW0054	Lunny Lake
1983	Eden Roc Mineral Corp.	Geological mapping and geochemical soil sampling (no results reported)	Report on the Geological and geochemical soil survey of the Firetower gold property, by Barry D. Allan, file 42C13SW0037	Lunny Lake
1983	Seemar Mines Ltd.	Geological and geochemical surveys (mapping indicated property underlain by foliated hornblende-biotite granodiorite gneiss, no further work recommended)	Report on the geological and geochemical surveys of the Black River property by R J Dutka (Sep 20, 1983), file 42C13SW0041	Black River-Valley
1983	Harlain Resources Ltd.	EM and magnetometric surveys, geological mapping, geochemical soil survey (identified 10 EM conductors)	Report on Magnetometer and Electromagnetic (VLF) surveys, Wabikoba Area, by Maurice Giroux (April 1983), file 42C13SW0038	Lunny Lake
1983	Noranda Exploration Co. Ltd.	Line-cutting, soil sampling (Au only at ppb levels, background over property < 5ppb)	Line-cutting/Geochemical Report, Pryme Energy Option, Wabikoba Lake, by Peter Cooper (Oct 20, 1983), file 42C13SW0032	Lunny Lake, Black River-Valley
1983	Seemar Mines Ltd.	Combined magnetometer-EM survey (identified weak conductive zones striking SW-NE)	Report on the geophysical survey by H Ferderber Geophysics Ltd (June 22, 1983), file 42C13SW0059	Black River-Valley
1983	Neptune Resources Corp.	Geological and soil geochemical survey (results indicate S portion of property underlain by metavolcanics, excepting thin felsic-intermediate unit, located NW-trending zone of shearing and alteration)	Report on the Geological mapping in the Theresa Lake area, by Joan Marie Barry (Aug 31, 1983), file 42C13SE0045	Theresa Lake
1983	Tundra Gold Mines Ltd.	Magnetometer and VLF-EM (located NW-striking mag low across Valley Lake coincident with Bullring Lake fault)	Report on magnetometer and VLF-EM survey (Black River), by H. Ferderber (Oct 4, 1983), file 42C13SW0061	Black River-Valley
1983	Tylox Resources Corp.	Combined magnetometer-EM survey (outlined 4 main conductive zones reflecting favourable structures)	Report on the Geophysical surveys by D. M. Ross (May 27, 1983), file 42C13SE0052	Theresa Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1983	Tylox Resources Corp.	Geological mapping, geochemical soil survey (located felsic volcanic outcrop perhaps part of mineralized horizon on western portion of property)	Report on the Geological Mapping in the Theresa Lake area, by Joan Marie Barry (Sep 13, 1983), file 42C13SE0051	Theresa Lake
1983	Rodeo Resources Ltd.	Geochemical surveys (results suggest that property blanketed by thick glaciofluvial/glaciolacustrine sand, silt and clay, no anomalous base or precious metals detected)	Report on the Geochemical survey of the Black River property, by R J Dutka (Sep 30, 1983), file 42C13SW0052	Northwest
1983	Eden Roc Minerals Corp. (optioned from Shiningtree Gold Resources Inc.)	Property evaluation and data compiling report	Report on the Firetower Gold property, Allan J. Willy, (March 1983), file 42C13SW0010	Lunny Lake
1983	Tylox Resources Corp.	IP and resistivity surveys (outlined 3 anomalous zones with shallow, narrow source)	Report on IP and resistivity survey, Theresa Lake, by Philip G. Hallof (Dec 30, 1983), file 42C13SE0029	Theresa Lake
1983	Key Lake Exploration Ltd.	Line-cutting, soil geochemical survey, geological mapping	Geology of the Dillman Claim group, by C. Richardson (Nov 13, 1983), file 42C13SW0015	Lunny Lake
1983	Carrera Resources Ltd.	VLF-EM surveys (outlined several conductive zones with favourable structures for hosting base metals/gold mineralization)	Report on the geophysical surveys by D. M. Ross (May 30, 1983), file 42C13SE0054	Theresa Lake
1983	Carrera Resources Ltd.	Geological survey follow-up to above VLF-EM surveys showing numerous short conductors probably associated with small falls and shear zones)	Report on the Geological mapping in the Theresa Lake area, by Joan Marie Barry, (Sep 10, 1983), file 42C13SE0040	Theresa Lake
1983	Midnapore Resources Inc.	Soil geochemical survey (delineated 5 zones of weakly anomalous Au, suggested lithological similarities to Hemlo-style geology)	Report on a Soil Geochemical survey in the Theresa Lake area, by Seymour M. Sears (Dec 1, 1983), file 42C13SE0041	Theresa Lake
1984	Qued Resources	Diamond drilling (14 DDH, 2019m)	Drilling report No. 18 Wabikoba Lake Area, file 42C13SW0144	Lunny Lake
1984	Midnapore Resources Inc.	Reconnaissance IP and resistivity survey (identified 2 IP anomalies correlated to distinct resistivity low)	Report of work on reconnaissance IP and Resistivity survey on Theresa Lake by Philip G. Hallof (March 14, 1984), file 42C13SE0030	Theresa Lake
1984	Noranda Exploration Co. Ltd.	Airborne EM survey (2 zones with 'reasonable' conductance identified, possibly related to fault/shear zone)	Report on airborne electromagnetic survey by D Carriere (Aug 13, 1984), file 42C13SW0022	Lunny Lake, Black River-Valley
1984	Qued Resources Corp.	IP and resistivity survey (located 4 anomalous zones extending across Musher Lake project, consistent values along strike)	Report on the detailed IP survey on the Qued property by Philip G. Hallof (1984), file 42C13SW0027	Lunny Lake
1984	Homestake Canada Inc. (acquired property through JV with Lenora Exploration Ltd. and Argentex Resource Exploration Corp.)	Soil sampling, geological mapping, and IP surveys	Assessment report, Brinklow property, by C F Staargaard (June 13, 1984), file 42C13SW0032_01	Black River-Valley

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1984	Midnapore Resources Inc.	Reconnaissance IP survey (confirmed previous anomalies and position of potential targets)	Progress report, recommended drill hole locations on the Theresa lake property & report on drilling, by S. M. Sears (Feb 11, 1984), file 42C13SE0012	Theresa Lake
1984	Key Lake Exploration Ltd. & Brandy Brook Mines Ltd.	VLF, magnetometer surveys (magnetic data consistent with mapped geology, located 6 significant VLF conductors consistent with prior AEM surveys)	Report on VLF and magnetometer surveys by J. Roth (June 1984), file 42C13SW0014	Lunny Lake
1984	Qued Resources	IP survey (mineralized zones suggested to be 3-40m thick, pyrite content not sufficient to significantly change resistivity values)	Report on Geophysical survey by Philip G. Hallof (May 28, 1984), file 42C13SW0017	Lunny Lake
1984	R. J. McGowan	Geological and geophysical surveys (no economic mineralization located, no major magnetic 'relief' on property)	Geological and Geophysical report on the Theresa Lake property, by J. T. Neelands, (Nov 15, 1984), file 42C13SE0025	Lunny Lake, Theresa Lake
1984	Eden Roc Mineral Corp.	Trenching (3 trenches on anomalous geological and geophysical targets determined by previous programs)	Report on trenching, Firetower property, by G. L. Smith (July, 1984), file 42C13SW0134	Lunny Lake
1984	Cassex Resources Ltd. (optioned from Costy Bumbu & Peter Moses)	EM survey (5 strong conductors within granodiorite in NE section)	Report on VLF electromagnetic surveys of Theresa Lake claims, by Scott McKee (Dec 20, 1984), file 42C13SE0021	Lunny Lake
1984	Noranda Exploration Co. Ltd. (JV with Pryme North)	Geological survey (delineated continuous units of mafic volcanic, intermediate-felsic volcanics and clastic sediments)	Geological report (Joint venture) by Richard Kemp (Aug 23, 1984), file 42C13SW0018	Black River-Valley
1984	Cassex Resources Ltd.	Magnetic survey (confirmed magnetic highs previously recorded, strongest magnetic zone from peridotite unit, identified many linear mag lows possibly caused by shear zones)	Report on the geophysical work on the Theresa Lake property by Paul Phillips (Apr 25, 1984), file 42C13SE0033	Theresa Lake
1984	Midnapore Resources Inc.	Diamond drilling (7 DDH, 776m)	Diamond drilling report Nos 11, 12 White Lake, files 42C13SE0034 (DDH logs), 42C13SE0032	Theresa Lake
1985	Harlin Resources Ltd.	Diamond drilling (5 DDH, 518m)	Diamond drilling report by J.H Montgomery (Jan 15,1985), file 42C13SW0126	Lunny Lake
1985	Qued Resources Corp.	IP survey, airborne EM and magnetic survey, diamond drilling (highest Au value at surface and drill intersection over strike length of 200m in 'Zone C' averages 0.025 oz/t (0.78 g/t) Au hosted by sedimentary rocks, cherty bands contain 0.152 oz/t = 4.75 g/t)	Report on the property of Qued Resources, Wabikoba Lake area, by George Cavey (Jan 3, 1985), file 42C13SW0124	Lunny Lake
1985	Noranda Exploration Ltd.	Geochemical soil sampling, trenching (no significant results)	Chemical sampling report, Pryme North joint venture, by John Gagnon (Oct 18, 1985), file 42C13SW0132	Black River-Valley, Lunny Lake
1985	Granges Exploration Ltd.	Diamond drilling (3 DDH, 300m)	Diamond drilling Report No. 13 White Lake North, file 42C13SE0023	Theresa Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1986	Noranda Exploration Ltd.	Diamond drilling (3 DDH, 528m)	Diamond drilling report by John Gagnon (Mar 28, 1986), file 42C13SE0011	Theresa Lake
1986	Noranda Exploration Ltd.	VLF-EM survey on Kelly-Kerr property (located possible contact between felsic rocks and granodiorite)	Report of work VLF-EM survey by D R Carriere (May 2, 1986), file 42C13SW0120	Lunny Lake
1986	Noranda Exploration Co Ltd.	Magnetic survey to locate and define anomalous mag responses (located possible contact between felsic rocks and granodiorite, found NS-trending diabase dyke)	Report on geophysical survey, Kelly Kerr claim group, by D. R. Carriere (Feb 7, 1986), file 42C13SW0131	Lunny Lake
1986	Tylox Resources Corp.	Diamond drilling (2 DDH, 311m)	Diamond Drilling Report No. 23 Wabikoba Lake Area, file 42C13SE8795	Theresa Lake
1986	Key Lake Exploration Ltd. & Brandy Brook Mines Ltd.	VLF and magnetometer surveys (detected 3 parallel anomalies, recommended follow-up work)	Report on VLF and Magnetometer surveys, by Nelson W. Baker (June 22, 1986), file 42C13SW0119	Lunny Lake
1986	Noranda Exploration Co Ltd. (optioned 15 claims from Kelly-Kerr Energy Corp.)	Geological survey (property mostly underlain by granodiorite, only northern area has outcrops and is underlain by sediments, granodiorite, mafic volcanics and porphyry)	Geological assessment report, Kelly-Kerr Option, by Mike Gurney (July 31, 1986), file 42C13SW0114	Lunny Lake
1987	Noranda Exploration Co. Ltd.	Geological mapping, humus sampling, magnetometer survey (no further work recommended)	Report of work on Shiningtree project by Kate Hearn (Aug 7, 1987), file 42C13SW0111	Lunny Lake
1987	Noranda Exploration Co. Ltd.	Soil geochemical survey (humus sampling to test a sequence of intercalated sediments, felsic and mafic volcanics, only 1 sample returned Au anomaly)	Report on Soil Geochemical survey, Wabikoba Lake property, by James McDonald (Sep 21, 1987), file 42C13SW0106	Lunny Lake
1987	Noranda Exploration Co.Ltd.	Humus, geological, magnetometer, VLF and prospecting surveys ('A' horizon soil sampling returned background of Au 3 ppb, 2 areas on property have Au potential; 1) felsic sedimentary horizon and 2) iron interflow sediments within mafic volcanic horizon)	Assessment report for Geological, Geochemical and Geophysical Surveys, part of Newjay property, by Kate Hearn (Oct 16, 1987), file 42C13SW0006	Lunny Lake
1987	Noranda Exploration Co. Ltd.	Rock sampling program (49 core samples resampled, 21 grab samples taken for Au/Ag/Mo)	Assessment report for beneficiation, rock sampling, Wabikoba Lake area, by James McDonald (Nov 3, 1987), file 42C13SE0008	Theresa Lake
1988	Noranda Exploration Co. Ltd.	Geological, magnetometer, VLF and prospecting surveys (tested anomalous Au horizons within felsic volcanic and interflow sediments, VLF outlined weak conductive zone within possible felsic sedimentary horizon)	Assessment report for geophysical survey (Newjay property), by Kate Hearn (Jan 27, 1988), file 42C13SW0104	Lunny Lake
1988	Noranda Exploration Co. Ltd. (optioned 15 claims from Kelley-Kerr Energy Corp.)	Trenching (identified feldspar porphyry as early intrusion of dyke swarm, only 1 trench sample returned a low Au value)	Report on trenching on Kelly- Kerr property, by Mike Gurney (June 3, 1987), file 42C13SW0112	Lunny Lake
1988	Dolphin Exploration Ltd.	Line-cutting, soil sampling targeting overburden that contains eroded bedrock	Report on a Geochemical survey on the Black River property, by Seymour M Sears (March, 1988), file 42C13SW0105	Black River-Valley, Lunny Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1988	Noranda Exploration Co. Ltd.	Trenching (2 trenches across mapped and drilled sericitic units similar to Hemlo, no significant Au assays returned)	Report on Trenching for assessment by Daphne Petersen (Sep 27, 1988), file 42C13SW0107	Lunny Lake
1988	Noranda Exploration Co. Ltd.	Trenching (2 trenches on Tylox/McGowan uncovered previously unknown stratigraphy)	Report on Trenching, Tylox and McGowan, by Daphne Peterson (Sep 13, 1988), file 42C13SE0007	Lunny Lake, Theresa Lake
1988	Noranda Exploration Co. Ltd.	Line-cutting, mapping, soil/rock sampling (rocks folded, faulted, metamorphosed to amphibolite facies, whole-rock analyses show that mafic volcanic rocks were rich in CaO and depleted in K2O, rock samples returned values up to 10 ppb Au)	Geological and geochemical report for Norman Property, by Daphne Petersen (Dec, 1988), file 42C13SW0005	Lunny Lake, Theresa Lake
1989	Aylmer Mines Ltd.	VLF-EM survey, magnetic survey to locate favourable structures (mag. patterns characterized by sequence of isolated high-mag zones, delineated wide NW-SE-trending zone of low resistivity)	Report on Geophysical survey, Wabikoba project, by P Boileau & R Turcotte (March, 1989), file 42C13SW0099	Lunny Lake
1991	Dave Saunders	Line-cutting and prospecting near 'Ihnatko-Kusins' zone	Report on the work program of the Ihnatko Property, by Dave Saunders (Jan 1991), file 42C13SW0093	Black River-Valley
1991	Brian Fowler	Prospecting program	Prospecting report, Armand Lake property, by Brian Fowler (Dec 1991), file 42C13SW0094	Lunny Lake
1992	M. Dave Saunders	Combined VLF and magnetometer survey (located 3 anomalies coinciding with weak input and mag anomalies)	Results of 1992 exploration work, electromagnetic (VLF- EM16) and magnetic survey, Summers Lake property by Pierre Simoneau (June 1992), file 42C13SW0002	Lunny Lake
1992	Placer Dome Inc.	Magnetic and EM surveys on Theresa Lake property (magnetic sources shallow <10-15m, most VLF conductors continuous along strike and associated with magnetic units, successfully mapped mafic volcanics striking WNW- ESE)	Geophysical surveys on Placer Dome, Theresa Lake property by Gerard Lambert, (July 16, 1992), file 42C13SW8711	Lunny Lake
1992	Brian Fowler	OPAP-assisted trenching/prospecting (focused on contact between mafic volcanic and metasedimentary units, identified geological depositional environment for base metals)	Report on the prospecting program for the claim block in the Theresa Lake area, by Brian Fowler (Aug 10, 1992), file 42C13SE0002	Theresa Lake
1992	Brian Fowler	Prospecting, trenching, geochemical sampling (no significant Au values returned)	Final submission, Summary Technical Report, by Brian Fowler (Aug 14, 1992), file 42C13SE0065	Theresa Lake
1992	M. Dave Saunders	Prospecting on old trenches, line- cutting, resampled Ihnatko-Kusins showing, grab sample contained 10.7% Zn, 8.9% Pb, 2.5 oz/t Ag, 0.34 g/t Au	Report on Geophysical survey and prospecting by Pierre Simoneau (April 16, 1992), file 42C13SW0092	Black River-Valley, Lunny Lake
1992	Newmont Exploration Ltd.	(61 samples taken, only 2 samples returned significant values of 140 and 325 ppb Au within 1 m wide shear zone in felsic volcanic)	Lithogeochemical Report on the Summers Lake E, Central claim block, by Harvey M Klatt (June 25, 1992), file 42C13SW0003	Theresa Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1992	Costy Bumbu	Trenching and prospecting on Theresa Lake property	Report on Trenching and prospecting, Theresa Lake property, by Costy Bumbu (Aug 7, 1992), file 42C13SE0101	Theresa Lake
1992	Newmont Exploration Ltd.	Diamond drilling (unsure of how many holes, totaling 2826 ft, testing alteration zones)	Diamond drilling report on the Summers Lake property, by Dean M Peterson (Nov 1992), file 42C13SW0121	Black River-Valley, Lunny Lake
1992	Noranda Minerals Inc. (GECO Division) (JV between Noranda Exploration and Noranda Minerals)	Mapping, whole-rock geochemical sampling, HLEM survey (samples failed to locate any alteration trends or metal-bearing horizons)	Report of work, Lampson Lake-Pinegrove Lake property, by Greg Charlton, (Nov 30, 1992), file 42C13NW8755	Lunny Lake
1993	Hemlo Gold Mines Inc.	Geochemical survey (no significant Au values returned)	Report of work, North Limb property, by Michael MacIsaac (Nov 1993), file 42C13SW8803	Lunny Lake
1992	Pierre Simoneau	Prospecting, MHOMETER survey (located base metal mineralization, grab sample returned 10.7% Zn, 8.9% Pb, 2.5 oz/t Ag = 78.13 g/t Ag)	Results of 1992 Exploration work by Pierre Simoneau (March, 1993), file 42C13SW8801	Black River-Valley
1993	Pierre Simoneau	Prospecting with Beep Mat, stripping, sampling, geophysical and geological surveys	Results of 1993 Exploration work, Summers Lake property, Wabikoba Area by Pierre Simoneau (August 1993), file 42C13SW0103	Lunny Lake
1993	Brian Fowler/Mike Shuman	Mapping (11 samples assayed for Cu- Zn-Au returning no significant values, North Limb has similar geology to Hemlo)	Geology report, Armand Lake Property, by Aubrey J. Eveleigh (Sep 1993), file 42C13SW8802	Lunny Lake
1994	Mike Shuman & Associates	Line-cutting, magnetometer survey, VLF-EM, horizontal loop and IP survey (located several EW-trending conductive zones, some correlating to Zn, Mo showings)	Geophysical report (1994), file 42C13SE0001	Theresa Lake
1994	Hemlo Gold Mines Inc.	Trenching (6 trenches on contiguous Hemlo N Limb and Fowler #1 properties, ACQFP similar to Moose Lake porphyry at Hemlo in terms of alteration and rock type association)	Trench report, Wabikoba Lake area, by Paul Johnston (Oct 10, 1994), file 42C13SW0007	Lunny Lake
1994	Brian Fowler	Ground magnetic survey using magnetometer (granite had relatively high mag signature)	Report on work, Phil Lake property, By Iain F. Downie, (Dec 20, 1994), file 42C13SW0031	Black River-Valley
1995	Homestake Canada Inc.	Rayan Exploration: 61km of line-cutting, 54km of magnetometer and VLF-EM survey (2 mag highs identified, possibly dykes)	Geophysical report on the Wabikoba Lake property by S.D. Anderson (Jun 1995), file 42C13SE0067	Theresa Lake
1995	Hemlo Gold Exploration	IP survey (located a few strongly polarizable units with low resistivity)	Report on ground geophysical investigation (IP survey) by Gerard Lambert (July 7, 1995), file 42C13SW0123	Black River-Valley, Lunny Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1994	Hemlo Gold Mines Inc.	Mapping, sampling, magnetometer survey, IP/Resistivity survey, overburden trenching (strong alteration system centered on small QFP stock referred to as "Armand Creek Quartz Feldspar Porphyry" (ACQFP), property has geological similarities to Hemlo, however disappointing sample results)	Report of work on North Limb property, by Paul Johnston (March 9, 1995), file 42C13SW0025	Lunny Lake
1995	Hemlo Gold Mines Inc.	Line-cutting, prospecting, soil geochemical survey, magnetometer and IP surveys (located 2 zones of interest with low resistivity)	Report of work, Valley Property, by Thomson and Sharpe (Nov 24, 1995), file 42C13SW0101	Black River-Valley
1995	Hemlo Gold Mines Inc.	Diamond drilling (3 DDH, 1052m)	Report on Diamond drilling, North Limb property, by Dale Schultz (Oct 1995), file 42C13SW0033	Lunny Lake
1995	Hemlo Gold Mines Inc.	Overburden trenching and stripping (samples taken returned no significant values)	Report on Trenching, Petrant Lake option, by John Londry (March 30, 1995), file 42C13SW0102	Black River-Valley
1995	Hemlo Gold Mines Inc.	Mapping, magnetometer and IP survey (strong alteration system centered on small QFP stock known as ACQFP)	Report of work on Fowler #2 property, by Paul Johnston (March 8, 1995), file 42C13SE0068	Theresa Lake
1995	Hemlo Gold Mines Inc.	Diamond drilling (3 DDH, 729m), tested IP chargeability anomalies along strike to the W of pyritized felsic horizon	Report on Diamond Drilling, Valley property, by Kevin Thomson (May 30, 1995), file 42C13SW0078	Black River-Valley
1996	Hemlo Gold Mines Inc.	Diamond drilling (6 DDH), found 37351 ppb over 1m, 3944 ppb Au over 3m, and 2490 ppb over 0.4m)	Diamond drill report by Dale Schultz (Feb 25, 1996), file 42C13SE0070	Lunny Lake
1996	Homestake Canada Inc.	Reconnaissance IP-Resistivity surveys (chargeability and resistivity highly variable)	Regarding the Gradient- Real section TDIP IP survey at the Wabikoba Lake property (May 1997), file 42C13SE2004	Theresa Lake
1996	Hemlo Gold Mines Inc.	Diamond drilling (657m) testing reported S-rich felsic volcaniclastic horizon trending NE, 1-3% disseminated pyrite)	Report on 1996 Diamond drilling, Petrant Lake option, by Andrew Tims (July 5, 1996), file 42C13SW0169	Black River-Valley
1996	Fowler and Schuman	11.4 km VLF-EM survey by Clark-Eveleigh Consulting (conclusion: disseminated sulfide-type Au model may be present near the felsic intrusive- metavolcanic contact)	Report of the VLF-EM survey on the Phil Lake property by J. G. Clark (Jan 1996), file 42C13SW0129	Black River-Valley
1996	Hemlo Gold Mines Inc.	Diamond drilling (2 DDH, 660m) testing stratigraphy and 2 IP anomalies, highest grade returned was 21 ppb Au)	Report on Diamond Drilling, Oracle property, by Paul Degagne (March 25, 1996), file 42C13SW0149	Black River-Valley
1996	Hemlo Gold Mines Inc.	Line-cutting and magnetometer survey (responses indicate that sources are near-surface 2-15m, IP anomalies may reflect graphite horizons or possibly disseminated sulfides)	Report on Geophysics, Oracle Property, by Matthew Johnston (April 26, 1996), file 42C13SW0125	Black River-Valley

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1996	Greater Lenora Resources	Mapping, prospecting (identified 'obvious' trend of NE-SW mineralization on the property)	Report Prospecting survey, Brinklow Property, by D. Maclean (June 1996), file 42C13SW0133	Black River-Valley
1996	Battle Mountain Gold Corp.	Soil sampling, prospecting (recorded the 'C' horizon, no gold values obtained)	WORK REPORT, Valley Property, by Andrew Tims, (Oct 21, 1996), file 42C13SW0171	Black River-Valley
1996	Homestake Canada Inc.	Re-interpreted Airborne magnetic data, geological and structural data	Amended report on the interpretation of reproduced airborne magnetic data and compilation of assessment data, by Allan MacTavish (Aug 16, 1996), file 42C13SE0072	Theresa Lake
1997	Battle Mountain Gold Corp.	Diamond Drilling (5 DDH, 1604m), highest value: 0.629 g/t Au over 1m)	Report on diamond drilling by Jim Edwards (July 27, 1997), file 42C13SW0177	Lunny Lake
1997	Battle Mountain Gold Corp. (Fowler Option)	Magnetic and IP surveys (mag patterns suggested presence of magnetite associated with pyrite in iron formations, or with mafic volcanic and felsic flows, sills or dykes in intermediate volcanic, IP surveys defined 6 linear NW-SE zones attributed to presence of metallic minerals)	Report on Ground Magnetic and IP surveys by Gerard Lambert (June 6, 1997), file 42C13SE0083	Lunny Lake
1996	Homestake Canada Inc. (optioned Spruce Bay property from Winslow Gold Corp.)	Line-cutting and ground magnetic surveys (flat magnetic signature with few exceptions)	Ground Magnetic survey report, Spruce Bay property, White Lake Area, by Ikram Osmani, MacTavish and Jacques Samson (March 25, 1997), file 42C13SE0080	Theresa Lake
1997	Battle Mountain Gold Corp.	Magnetic and IP surveys (magnetic patterns suggested presence of magnetite associated either with pyrite in iron formations or with mafic volcanic and also felsic flows, sills or dykes in intermediate volcanic)	Report on Ground magnetic and IP surveys, Theresa Lake by Gerard Lambert (March 18, 1997), file 42C13SE0079	Theresa Lake
1997	Battle Mountain Gold Corp.	Diamond drilling (2 DDH, 613m)	Report on Diamond drilling, North Limb Property, by Dale Schultz (Apr 30, 1997), file 42C13SW0176	Lunny Lake
1997	Homestake Canada Inc.	Mapping, lithogeochemical and channel sampling (3 generations of tectonic foliation observed, no significant Au mineralization or hydrothermal alteration encountered)	Geological report on the White Lake Property, White Lake area, by Ikram A Osmani (Sep 1997), file 42C13SE2001	Theresa Lake
1997	Homestake Canada Inc.	Rayan Exploration Ltd. conducted 18.5 km of IP survey on White Lake property (located anomalies related to iron formation and graphite horizons)	IP survey report by R. J. Meikle (Oct 1997), file 42C13SE0087	Theresa Lake
1997	Battle Mountain Gold (Placer Option)	Diamond drilling (600m) of 2 'anomalous' horizons: Armand Lake porphyry and Lunny Lake porphyry	Report on diamond drilling, Placer Option (Qued) property, by Dale Schultz (Jan 23, 1997), file 42C13SW0172	Lunny Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
1997	Homestake Canada Inc. (optioned the Spruce Bay property from Winslow Gold Corp.)	Mapping, lithogeochemical and channel sampling (no significant gold mineralization encountered)	Geological report on the Spruce Bay property, by Osmani, Durdevic and MacTavish (Oct 20, 1997), file 42C13SE2002	Theresa Lake
1997	Battle Mountain Gold	Studied mineral assemblages of 21 core samples (no Au grains observed, potential protoliths identified)	Report on petrographic study conducted on selected core samples from Fowler and Placer (Qued) properties, by Dale Schultz (Mar 31, 1997), file 42C13SW0175	Lunny Lake
1997	Battle Mountain Gold	Diamond drilling (11 DDH, Highest grade: 76 ppb Au)	Diamond drill report by Dale Schultz (Mar 31, 1997), file 42C13SW0173	Lunny Lake
1998	Battle Mountain Gold	Diamond Drilling (1 DDH, 311m, iron formation intersected with 10-15% pyrite, 5% magnetite)	Report of Diamond drilling, by Richard Grant (May 22, 1998), file 42C13SE2006	Theresa Lake
1998	Battle Mountain Gold (optioned claims from Costy Bumbu and James Martin)	Diamond drilling (1 DDH, 311m) testing IP anomaly, trenching	Report of trenching, Theresa Lake property, by Richard Grant (Sep 1, 1998), file 42C13SE2005	Theresa Lake
1998	Battle Mountain Gold (optioned from Costy Bumbu & James Martin)	Line-cutting extending Fowler grid to the E, magnetic and IP-resistivity surveys, range of Au values of 5-242 ppb	Geological Survey report, Theresa Lake and Fowler options, by Richard Grant (Jan 14, 1998), file 42C13SE2003	Theresa Lake
2003	Brian Fowler	EM-VLF surveys (delineated 3 major EM VLF anomalies coinciding with ground magnetics results)	Report on the EM-VLF and magnetic surveys of Valley Lake property by Raymond A Bernatchez (Nov 27, 2003), file 42C13SW2004	Black River-Valley
2006-2007	Brian Fowler	Prospecting, sampling (OGS sampled near 'Zone B' returning assays of 8.9 g/t Au; Hole A2 contained 2.5m of 8.2 g/t Au, 1.1% Cu, 0.8% Zn, 13.7 g/t Ag; Hole WI contained 2. 1m of 3.2 g/t Au, 2.9% Cu, 2.1 % Zn and 52.8 g/t Ag	Theresa Lake prospecting report, 2006-2007 field season, by Brian Fowler (Jan 2008), file 20000002646	Lunny Lake
2009	Silk Road Resources Ltd.	Larder Geophysics Ltd. contracted for VLF-EM survey on Lunny property (indicated 3 different magnetic units)	Report on the VLF-EM survey on Lunny property by C. Jason Ploeger (Apr 2009), file 20000003909	Lunny Lake
2009	Brian Fowler	Conducted VLF EM and magnetic surveys (indicated presence of numerous 'strong' E-W striking magnetic trends)	Report on Magnetometer and VLF EM surveys, Spruce Bay Grid, White Lake area, by C. Jason Ploeger (April 2009), file 20000003941	Theresa Lake
2009	Brian Fowler	Prospecting, geochemical sampling, resampling of old trenches	Spruce Bay final report, by Brian Fowler (May 19, 2009), file 20000004192	Theresa Lake
2009	Brian Fowler	Prospecting, sampling (new Zn showing: Sample 14 returned 2.19% zinc, 4.6 g/t Ag, 0.19 g/t Au, 1590ppm Ni)	Prospecting report, Lunny Lake, prospecting and sampling program 2009 field season, by Brian Fowler, (August 2009), file 20000000284	Lunny Lake

Table 4	Table of Previous Work			
Year	**Operator**	**Work**	**Principal Reference**	**Present Area**
2009	Brian Fowler	Compilation of past data and renewed prospecting	Prospecting report, Lunny Lake property, prospecting and sampling program, fall/winter 2009, by Brian Fowler (Dec 2009), file 20000005420	Lunny Lake
2010	Big Bar Gold Corp	Magnetometer survey over Hemlo north property (identified general trend of 105o, several strong magnetic bands associated with iron formation)	Magnetometer survey over the Hemlo North Property, Wabikoba Lake, by C. Jason Ploeger (Dec 2010), file 20000006068	Lunny Lake
2011	Entourage Metals Ltd.	Prospecting, soil sampling, and line-cutting	Work assessment report, Hemlo North Property, Wabikoba Area, by Aimee Marsh (April 12, 2011), file 20000006756	Lunny Lake
2016	Canadian Orebodies Inc.	Prospecting and diamond drilling in 'the Tongue,' a package of mafic rocks in the northwest part of the property, exploring for source of 'Valley Float.'	Work assessment report b y Bruce Mackie, file 20000017084	Northwest
2016	Canadian Orebodies Inc.	Prospecting, whole rock at select locations on the North Limb property.	Work Assessment report by Bruce MacLachlan, file 20000016157.	Lunny Lake, Black River-Valley
2016	Canadian Orebodies Inc.	Airborne VTEM survey across the North Limb property.	Work assessment report by Neil Pettigrew of Fladgate Exploration Consulting Corp., file 20000013752	Black River-Valley, Northwest, Lunny Lake, Theresa Lake
2016	Canadian Orebodies Inc.	43-101 Report on the North Limb property	Technical Report by Pettigrew and Weston of Fladgate Exploration Consulting Corporation	

5.0 -2020 EXPLORATION PROGRAM -

5.1 INTRODUCTION

From July to October of 2020 a prospecting and soil sampling program was carried out on the North Limb property approximately 40 kilometers northeast of the town of Marathon, 40 kilometres southwest of the town of Manitouwadge and 20 kilometers northeast of the Hemlo Mine Site, see Figure 4.

Field work was carried out between July 17th and October 13th, based out of Marathon, Manitouwadge and Pic-Mobert First Nation.

Prospecting was carried out at numerous locations targeting historical showings, prospective geology and magnetic features. Humus (A horizon) soil sampling was carried out in the central part of the property, targeting the Lunny Lake and Armand Lake Porphyries. 8 north-south soil lines 400-725m long and 250m apart, with 25m sample spacing, were sampled across the Lunny Lake Porphyry and the western end of the Armand Lake Porphyry. 3 further north-south lines 500m long and 250m apart, with 25m sample spacing, were sampled across the central portion of the Armand Lake Porphyry.

All the work and sample locations were defined using a handheld Garmin GPS. The measurements were plotted using UTM: NAD 83 in Zone 16 metric coordinates. GPS tracks were downloaded daily, saved as separate files by date and type (foot traverse, ATV, truck) and plotted on the various Figures. All samples were routinely entered in an Excel database then imported into MapInfo for reviewing current work and planning future programs.

A total of 218 rock-grab samples were collected for gold and multi-element ICP analysis. Samples collected were individually bagged and labeled; individually bagged samples were then put into rice bags and driven to Activation Labs (Actlabs) in Thunder Bay.

A total of 265 A horizon (humus) soil samples were collected for gold and multi-element ICP analysis (1 was lost in the field and therefore not analyzed). Soils were placed in paper-Kraft bags, labeled, and placed in plastic bins and driven to Activation Labs (Actlabs) in Timmins.

The Rock Sample Description Table is presented in Table 1, Appendix I, and Rock Assay Certificates are presented in Appendix II. The Soil Sample Description Table is presented in Table 2, Appendix III, and soil assay certificates are presented in Appendix IV. Descriptions of the Actlabs analytical procedures and packages are presented in Appendix V; the Statement of Expenditures is presented in Appendix VI; a list of the North Limb Cell-Claims is presented in Table 3, Appendix VII; daily logs are located in Appendix VIII. Some select photos are presented in Appendix IX and Map sheets displaying the locations of the grab and soil samples in relation to the claim boundaries are presented in Appendix X. The Points of Interest are presented in Appendix XI (Table 5).

5.2 RESULTS

Of the 218 rock-grab samples collected on the North Limb property during the 2020 exploration program, 14 returned >**100ppb Au**, 17 returned from **50-100ppb Au**, 88 returned **5-49ppb Au**, and 112 returned **<5ppb Au**. Anomalous results **50ppb Au** and higher are described below:

963, 74 & 62ppb Au (samples 1127259, 1127262 & 1127260, respectively) from black, fine-grained, magnetic mafic volcanics (or chemical sediments?) with 1cm bands of sugary quartz veins, sheared gossan with banded quartz, pyrite & molybdenite, and sheared magnetic gossan at 300 / 70 degrees S, respectively, from an old trench (likely the QT-12 Qued trench), where a band of chemical sediments had

been previously mapped on the northern margin of the Armand Lake Porphyry. Sample 1127259 also returned the highest copper value of **598ppb** of the program.

271ppb Au (sample W1279865) from angular float of sheared, silicified mafic volcanic with 10% pyrite stringers and minor porphyry breccia. This sample was collected on soil line 7 ~100m south of the mapped/interpreted southern contact of the Lunny Lake Porphyry, also returning **546ppb Cu**, one of the highest copper values of the program, **4.73ppm Ag**, the third-highest Ag value of the program, as well as **2.29ppm Te**, one of the highest Te values of the program.

Sample W1279865 (formerly A527595), ***271ppb Au****,* ***546ppm Cu****,* ***4.73ppm Ag****,* ***2.29ppm Te***

266ppb Au (sample 1127411) from semi-massive pyrite (80%) at the historical Kusins showing in the southwest portion of the North Limb property.

263, 164 & 125ppb Au (samples 1127353, 1127354 & 112352 respectively) from sheared greenish-grey to dark grey host rock with 3% fine-grained pyrite, north of the Lunny Lake Porphyry and west of the Armand Lake Porphyry, close to the north end of soil line 4.

208ppb Au (sample 1127437) from sediments with pyrite stringers at the southern margin of the Lunny Lake Porphyry, 100m west of where values of up to **3.94gpt Au** / 3.0m were historically obtained in core and 125m east of where values of up to **37.3gpt Au** / 1.0m were historically obtained in core. This sample also returned **2.89ppm Te**, the highest Te value of the program.

162, 135, 95, 95, 78, 74 & 60ppb Au (samples 1127237, 1127239, 1127234, 1127236, 624191, 1127233 & 1127231, respectively) from, respectively, sugary red quartz alternating with magnetite bands close to the north end of soil line 6, sheared magnetic host rock 90m further west-northwest between soil lines 5 & 6, and a cluster of samples ~50m east-southeast of 1127237, consisting of sheared grey-green to dark grey host rock with up to 1% pyrite and pyrrhotite +/- chalcopyrite and garnet, to sheared felsic volcanics and porphyry. Sample 1127239 also returned **2.4ppm Te**, one of the highest Te values of the program. Sample 624190, also in the vicinity, returned **4300ppm Zn** with **1240ppm As**, **310ppm Cu** & **34ppb Au**, the highest Zn and As values of the program.

149ppb Au (sample W1279870) from strongly silicified, foliated porphyry with 0.5% disseminated pyrite, striking 135/66 degrees SW, south of the mapped extent of the Armand Lake Porphyry between soil lines 10 and 11. A sample (W1279871) of strongly silicified, sheared porphyry with 1-2% bands of fine pyrite, striking 100/65 degrees SW, was collected 150m further northwest at the south end of soil line 10, returning **33ppb Au** & **1.61ppm Sb**, the highest Sb value of the program.

Sample W1279870, ***149ppb Au***

140, 125, 94, 93 & 78ppb Au (samples 1127378, 1127225, 1127377, 1127375 & 1127379, respectively) from, respectively, sericite schist with a quartz vein, sheared feldspar porphyry with specks of pyrite, and three samples of cherty-textured, blueish sericite schist with up to 2% pyrite along foliation, where the Lunny Lake Porphyry is mapped or a bit to the south in the case of sample 1127377.

136 & 76ppb Au (samples 1127357 & 1127359) from subcrop with 5-10% stringer pyrite close to a mapped unit of chemical sediments between soil lines 5 & 6, west of where the Armand Lake Porphyry is interpreted to pinch out to the west.

120ppb Au (sample 1127293) from an angular float of magnetic mafic volcanics with 1/6" veinlets of <1% po, close to the southern interpreted contact of the Armand Lake Porphyry.

84 & 77ppb Au (samples 1127451 & 1127452 respectively) from strongly magnetic dark grey float with 20% pyrite or chalcopyrite along foliation, and strongly magnetic dark grey float with 5% pyrite and quartz veining along foliation, respectively, located on the roadside immediately east of Lunny Lake.

57ppb Au (sample W1279855) from rusty, strongly silicified mafic volcanic with minor quartz blebs and 1-2% pyrite blebs/stringers, on the northern margin of a 3m wide zone striking 090 degrees / subvertical dip on soil line 4.

55 & 51ppb Au (samples 1127370 & 1127271 respectively) from quartz-eye sericite schist and banded feldspathic rock with quartz veinlets and 1% fine-grained pyrite, respectively, a short distance south of soil line 8. Sample 1127271 also returned **7.85ppm Ag**, the second-highest Ag value of the program.

50ppb Au (sample 1127446) from purplish-grey sediments with fine-grained stringer pyrite 70m southwest of samples 1127352-1127354 between soil lines 3 & 4.

The highest Pb value of the program was returned from sample 1127410, **1850ppm Pb**. Sample 1127409 at the same pit returned the highest Ag value of the program of **17.4ppm**, and sample 1127408 returned **2450ppm Zn**, the second-highest Zn value of the program. The highest molybdenum value of the program**, 995ppm Mo**, was returned from sample 1127371 at an old trench at the western mapped extent of the Musher Lake Porphyry. Up to **2150ppm Ni** was obtained from sample 1127252 at the south end of soil line 2, perhaps corresponding to a gabbro sill.

Results of the A horizon soil survey are presented below:

Lines 1-8, north-south lines with 25m sample spacing, were begun approximately 325m east of Lunny Lake, spaced approximately 250m apart.

- Line 1 (586370E, 5410250N down to 5409750N (500m)) returned up to **30ppb Au** from the second most southern sample, one of the highest values of the program, and averaged **12ppb Au** over 21 samples. Elevated Ni up to **478ppm**, the highest Ni value of the program, was obtained over an east-west magnetic high on the southern half of the line, and elevated Cu up to **398ppm** was obtained immediately north of the magnetic high, also the highest value of the program. **1.69ppm Ag** was returned at the south end of the line at the southern margin of the magnetic high, the fourth highest value of the program.

- Line 2 (586600E, 5410300N down to 5409775N (525m)) returned up to **17ppb Au**, averaging **10ppb Au** over 22 samples. **104ppm Pb** was obtained close to the northern margin of the linear magnetic high mentioned previously, the second highest value of the program, and the same Pb value was obtained close to the southern margin of the magnetic feature along with **213ppm Zn** and **207ppm Zn**, the highest Zn values of the program.

- Line 3 (586850E, 5410340N down to 5409940N (400m)) returned up to **16ppb Au**, averaging **8ppb Au** over 17 samples. This line did not extend as far to the south as other lines due to terrain, and as such probably did not test the Lunny Lake Porphyry which is mapped further to the south. **4.96ppm**

Mo, the third highest Mo value of the program, was obtained at the south end of the line, in the middle of the magnetic feature mentioned previously and adjacent to an airborne EM conductor.

- Line 4 (587100E, 5410365N down to 5409640N (725m)) returned up to **23ppb Au**, averaging **9ppb Au** over 30 samples. Anomalous gold up to **263ppb Au** (sample 1127353) in grab samples on a west-northwest-east-southeast-trending magnetic high towards the northern end of the line was not reflected in the soil results. **9520ppm Mn** was obtained on the southern margin of this northern magnetic high, the second highest Mn value of the program.

- Line 5 (587350E, 5410270N down to 5409570N (700m) returned up to **16ppb Au**, averaging **6ppb Au** over 29 samples. However, results from trace element analysis returned up to **41ppb Au** in the center of the line approximately 85m west of grab sample 1127357 which returned **136ppb Au**. **2.22ppm Ag**, the highest Ag value of the program, was returned from the southern margin of the southern magnetic high mentioned previously, now trending west-northwest-east-southeast. The next station to the south returned **1.78ppm Ag**, the third highest Ag value of the program.

- Line 6 (587600E, 5410230N down to 5409530N (700m)) returned up to **32ppb Au** close to the northern inferred margin of the Lunny Lake Porphyry, one of the highest values of the program, averaging **11ppb Au** over 28 samples. The next sample to the south returned **24ppb Au**. Anomalous gold in grab samples up to **162ppb Au** (sample 1127237) at the north end of the line adjacent to the access road was not reflected in the soil results. **9.64ppm Mo** was obtained from a sample in the north-central part of the line, between the northern and southern linear magnetic highs, the highest Mo value obtained in the program. **384ppm Cu**, the second highest Cu value of the program, was obtained at the south end of the line close to the southern margin of the southern linear magnetic high mentioned previously, and the southernmost sample returned **4.88ppm Mo**, the fourth highest Mo value of the program.

- Line 7 (587850E, 5410180N down to 5409480N (700m)) returned up to **18ppb Au**, averaging **7ppb Au** over 29 samples. A sample on the southern margin of the southern magnetic high mentioned previously returned **5.82ppm Mo**, the second highest Mo value of the program.

- Line 8 (588100E, 5410050N down to 5409400N (650m)) returned up to **41ppb Au**, the highest fire assay Au value of the program, in a string of 4 samples which returned the next highest program values of **36, 36 & 33ppb Au**, all collected over the northern part of the interpreted Armand Lake Porphyry. All 27 samples on the line averaged **10ppb Au**. **113ppm Pb** was returned from a sample on the southern margin of the southern magnetic high mentioned previously**.**

Lines 9-11, north-south lines with sample spacing of 25m, were begun approximately 320m east of a small lake northeast of Musher Lake, spaced approximately 325m apart.

- Line 9 (590650E, 5409460N down to 5408960N (500m)) returned up to **15ppb Au** towards the southern contact of the Armand Lake Porphyry, where a number of other samples were elevated in Au relative to the rest of the samples on this line, and averaged **7ppb Au** over 21 samples. **95ppm Pb**, the third highest Pb value of the program, was obtained from a sample over the center of the northwest-southeast-trending magnetic high hosting grab sample 1127259 which returned **963ppb Au**.

- Line 10 (590890E, 5409325N down to 5408850 (475m)) returned up to **33ppb Au**, one of the highest Au values of the program, over a thin porphyry unit mapped north of the Armand Lake Porphyry, and averaged **6ppb Au** over 20 samples. **2.06ppm Ag**, the second highest Ag value of the program, was

obtained from a sample in the center of the same magnetic high as the previous line. A sample south of the magnetic high returned **>10,000ppm Mn**, **4.79% Fe**, **200ppm Zn** and **12.2ppm As**, of which Fe, Mn & As were the highest values of the program and Zn was the third highest.

- Line 11 (591150E, 5409220N down to 5408720N (500m)) returned up to **26ppb Au** north of the interpreted contact of the Armand Lake Porphyry, averaging **6ppb Au** over 20 samples (1 sample, A1104108 was lost in the field and therefore not analyzed). However, **49ppb Au** was obtained from trace element analysis about 50m north of the interpreted southern contact of the Armand Lake Porphyry.

6.0 -DISCUSSION OF RESULTS AND RECOMMENDATIONS-

6.1 DISCUSSION OF RESULTS

The 2020 prospecting and soil sampling program confirmed anomalous gold in several locations of historical work and outlined several areas of interest which appear not to have seen much historical work.

The highest Au-in-soil fire assay values were obtained on soil line 8 over the northern part of the Armand Lake Porphyry. A fence of holes was drilled in 1995 across the Musher Lake, Lunny Lake and Armand Lake Porphyries approximately 140m east of this soil line, returning low gold results up to **94ppb Au** / 1m in hole N95-3 (Schultz, 1995, file 42C13SW0033). Outcrop approximately 70m west of the soil line sampled in 2020 consisted of feldspar porphyry with minor pyrite and returned up to **23ppb Au** (sample 1127210). Other elevated gold-in-soil values relative to background include **33ppb Au** on line 10 north of the Armand Lake Porphyry (and **26ppb Au** along strike to the southeast on line 11); **32ppb Au** on line 6 immediately north of the Lunny Lake Porphyry (and **24ppb Au** at the next station to the south); and **30ppb Au** at the south end of line 1, close to a number of historical drillholes and trenches, where sampling in 2017 returned up to **53ppb Au** from mafic volcanic with 5-7% disseminated pyrite (sample A581716).

Trace element analysis of the soil samples revealed the following:

The southern magnetic high underlying lines 1-8 seems to be associated with elevated Zn, Cu, Mo, Ag, Pb & Ni relative to all other samples. Elevated Mo was discovered between the northern and southern magnetic highs, and elevated Mn was discovered south of the northern magnetic high which hosts several gold-in-rock anomalies. Trace element Au on lines 1-8 returned up to **41ppb Au** on line 5 west of anomalous grab samples up to **136ppb Au.**

The magnetic high underlying lines 9-11 was associated with elevated Pb, Ag & Au. Elevated Mn, As and Zn were discovered south of the magnetic high and close to where historical diamond drill hole F1-95-6 returned **1.4gpt Au** / 1.0m.

Prospecting yielded anomalous gold values in sheared mafic rock or sediments as well as in felsic porphyries or volcanics:

- The highest value obtained during the program, **963ppb Au,** with **598ppm Cu** (sample 1127259) from black magnetic rock with 1cm quartz bands, is located on a northwest-southeast trending magnetic high with multiple airborne EM anomalies, which was targeted by drill in the past; however, the closest historical drill hole (Q96-2) to this sample is approximately 150m further west.

- Two clusters of gold-bearing grab samples at the northern ends of soil lines 4 and 6, along strike from each other, consisted of sheared mafic rocks or magnetic sediments, returning up to **263ppb Au** (sample 1127353). This gold-bearing horizon appears not to have been drill-tested in the past in this area. It may be the western extension of the horizon to the east where sample 1127259 is located, based on the magnetic data. These samples also returned the highest Zn and As values of the program, **4300ppm Zn** and **1240ppm As** (sample 624190), suggesting some base metal potential.

- Several anomalous gold values were obtained between soil lines 6 and 7 in the vicinity of the Lunny Lake Porphyry, up to **271ppb Au** (sample W1279865) from sheared mafic volcanic float with 10% pyrite stringers and porphyry breccia, with other anomalous samples in outcrop further north within the Porphyry. The closest historical drill hole (N96-1) to these anomalous samples is approximately 100m further west of the westernmost anomalous sample, sheared feldspar porphyry which returned **125ppb Au** (sample 1127225).

- One sample of altered, sheared porphyry between the southern ends of soil lines 10 and 11 returned **149ppb Au** (sample W1279870). The trace of the closest historical drill hole lies approximately 150m further to the northwest (F1-95-5); this hole returned up to **114ppb Au** / 1.0m (Schultz 1996, file 42C13SE0070). The sample lies south of where the Armand Lake Porphyry is mapped; however, it would not be surprising if there were further parallel porphyries. At Hemlo there are isoclinally folded porphyries which might give the appearance of separate parallel units (Lin, 2001). Perhaps something similar is happening in the North Limb.

- One sample of semi-massive pyrite at the historical Kusins showing in the southwest part of the property returned **266ppb Au** (sample 1127411), suggesting both gold and base metal potential here, as the second-highest Zn and the highest Pb values (**2450ppm Zn –** sample 1127408, **1850ppm Pb** – sample 1127410) of the program were also obtained here.

6.2 RECOMMENDATIONS

In addition to an already ongoing diamond drilling program (as of Feb 2021):

Further soil sampling across the major units of interest, including infill sampling.

Targeted soil sampling and prospecting, followed by stripping if necessary, in areas of anomalous gold-in-soil or gold-in-rock anomalies.

7.0 -STATEMENT OF QUALIFICATIONS-

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

1) Hemlo Explorers 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 over 36 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., Portofino Resources Inc., Frontline Gold Corporation and others.

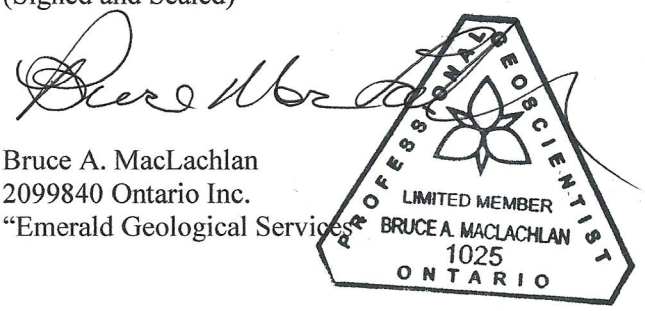
4) I am responsible for the preparation of this report titled 'Work Report of the Summer 2020 Exploration Program on the North Limb Claim Group, Hemlo, Ontario.'

5) I have worked extensively across the Property.

6) I have been involved with the mineral Property that forms the subject of this report since Hemlo Explorers (Formerly Canadian Orebodies) acquired the property in 2016.

Dated at Timmins, Ontario, this 22nd day of February 2021.

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



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

8.0 - REFERENCES-

Assessment file references for historical work can be found in Table 4.

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APPENDIX I

Rock-Grab Sample Descriptions (Table 1)

Table 1 **North Limb Rock Sample Descriptions**

Sample	Easting	Northing	Elevation	Date	Sampler	Source	Claim	Sample Type	Rock Type	Rock Code	Description	Assay Certificate No.	Au_ppb_final
624077	589393	5409348		2020-07-17	DK	Outcrop	250175	Grab	Feldspar Porphyry	FP	Sheared feldpar porphyry with white quartz.	A20-08398	2.5
624078	589393	5409348		2020-07-17	DK	Outcrop	250175	Grab	Quartz Vein	QV	4 inch white quartz vein with limonite staining	A20-08398	2.5
624079	589367	5409359		2020-07-17	DK	Outcrop	250175	Grab	Greenstone	GREEN	Limonite stained f.g greenish gray host with few specks of py, 6 to 8 inch white quartz vein.	A20-08398	2.5
624080	589367	5409175		2020-07-17	DK	Outcrop	226564	Grab	Feldspar Porphyry	FP	Limonite stained with <1% fg py. Altered feldspar porph.	A20-08398	2.5
624081	589359	5409156		2020-07-17	DK	Outcrop	226564	Grab	Felsic Volcanic	FV	Medium limonite rind stained. Felsic volcanics with streaks of 1% py. 099 / 85 degrees S.	A20-08398	2.5
624082	589340	5409140		2020-07-17	DK	Rubble	226564	Grab	Felsic Volcanic	FV	Medium limonite rind stained. Felsic volcanics with small streaks of <1% py. Old trench float.	A20-08398	2.5
624083	589339	5409181		2020-07-17	DK	Float	169780	Grab	Felsic Volcanic	FV	Medium limonite rind stained felsic volcanics with a 1 cm wide band of fine grained pyrite and <1% pyrite streaks throughout sample. Float.	A20-08398	2.5
624084	589526	5409101		2020-07-20	DK	Outcrop	189269	Grab	Intermediate Volcanic	IV	Medium limonite stained with highly strained grayish white host rock with 1% medium grained pyrite.	A20-08398	16
624085	589610	5409004		2020-07-20	DK	Outcrop	189269	Grab	Intermediate Volcanic	IV	Heavy limonite stained fg bluish gray host with 1% mg pyrite, 280 degree strike.	A20-08398	2.5
624086	589692	5409295		2020-07-20	DK	Outcrop	113134	Grab	Quartz Vein	QV	White quartz with a few blotches of red staining.	A20-08398	2.5
624087	589684	5409292		2020-07-20	DK	Outcrop	113134	Grab	Quartz Vein	QV	0.75m wide white quartz in contact with fg mafic volcanics, feldspar porphyry, with few specks of pyrite. 090 / 87 degrees S, 30 deg W plunge.	A20-08398	11
624088	589645	5409301		2020-07-21	DK	Outcrop	113134	Grab	Mafic Volcanic	MV	Limonite stained fg mafic volcanics and <1% fg pyrite, porphyry contact.	A20-08398	2.5
624089	589455	5409355		2020-07-21	DK	Outcrop	113134	Grab	Mafic Volcanic	MV	Limonite stained fg micaceous mafic volcanics with a few specks of pyrite.	A20-08398	2.5
624090	589454	5409355		2020-07-21	DK	Outcrop	113134	Grab	Mafic Volcanic	MV	F.g micaceous mafic volcanics with epidote and 1 cm crosscutting white quartz vein and a few specks of pyrite. 284 degree strike.	A20-08398	2.5
624091	589392	5409276		2020-07-21	DK	Outcrop	250175	Grab	Felsic Volcanic	FV	F.g highly strained felsic volcanics with 1% pyrite.	A20-08398	21
624092	589395	5409275		2020-07-21	DK	Outcrop	250175	Grab	Felsic Volcanic	FV	F.g micaceous felsic volcanics limonite stained with <1% fg pyrite, 290 degree strike.	A20-08398	26
624093	589415	5409256		2020-07-21	DK	Outcrop	250175	Grab	Mafic Volcanic	MV	Highly altered micaceous mafic volcanics? Limonite stained with <1% fg pyrite. 320 / 82 degrees NE.	A20-08398	2.5
624094	589415	5409257		2020-07-21	DK	Outcrop	250175	Grab	Mafic Volcanic	MV	Limonite stained mafic volcanics with 1% mg pyrite.	A20-08398	2.5
624095	586848	5409914		2020-07-23	DK	Outcrop	231207	Grab	Mafic Volcanic	MV	Mafic volcanics in contact with white quartz vein and NO pyrite.	A20-08398	6
624096	586589	5409697		2020-07-23	DK	Talus	107203	Grab	Feldspar Porphyry	FP	Micaous altered feldspar porphyry with <1% fg pyrite. 15 ton talus.	A20-08398	2.5
624097	586543	5409629		2020-07-23	DK	Float	107203	Grab	Felsic Volcanic	FV	Felsic volcanics with 2% fg pyrite. Float.	A20-08398	12
624190	587643	5410178		2020-07-24	DK	Outcrop	156086	Grab	Greenstone	GREEN	Highly strained fine grained grayish green host rock with 1% fine grained pyrrhotite, py, garnets and a few specks of chalcopyrite. Small qvs in shear zone. 286 degree strike.	A20-08398	34
624191	587644	5410179		2020-07-24	DK	Outcrop	156086	Grab	Greenstone	GREEN	Highly strained fine grained dark green host rock with parallel 1 cm quartz and limonite stained throughout. 286 degree strike.	A20-08398	78
1127201	590523	5408615		2020-07-31	DK	Float	295381	Grab	Felsic Volcanic	FV	Rusty sheared felsic? Float. Slightly magnetic.	A20-09115	6
1127202	590529	5408612		2020-07-31	DK	Outcrop	295381	Grab	Unknown	UNK	Rusty with bleached section/sheared with high silica. Non-magnetic.	A20-09115	6
1127203	590534	5408621		2020-07-31	DK	Outcrop	295381	Grab	Mafic Volcanic	MV	Slightly rusty mafic with 1 cm rusty qtz vein. Non-magnetic.	A20-09115	2.5
1127204	585532	5409884		2020-08-01	DK	Outcrop	176093	Grab	Felsic Volcanic	FV	Bleached felsic vol. with very fine 2 mm wide pyrite veins. Non-magnetic.	A20-09115	9
1127205	585532	5409887		2020-08-01	DK	Outcrop	176093	Grab	Felsic Volcanic	FV	Bleached felsic vol. with very fine 2 mm wide pyrite veins. Non-magnetic.	A20-09115	2.5
1127206	585546	5409858		2020-08-01	DK	Outcrop	176093	Grab	Quartz Vein	QV	Leached white qtz in mafic vol.	A20-09115	2.5
1127207	589269	5409821		2020-08-01	DK	Float	183800	Grab	Mafic Volcanic	MV	Mafic volcanics with 10% hornblende and 1% fg py in contact with 7 inch white qtz vein. Float. Non-magnetic.	A20-09115	2.5
1127208	588032	5409853		2020-08-03	DK	Outcrop	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with qtz and calcite. Slightly magnetic.	A20-09115	2.5
1127209	588023	5409843		2020-08-03	DK	Outcrop	136541	Grab	Feldspar Porphyry	FP	Altered feldspar porphyry with qtz. Non-magnetic.	A20-09115	7
1127210	588019	5409842		2020-08-03	DK	Outcrop	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with specks of blotchy pyrite within reddish qtz. Slightly magnetic.	A20-09115	23
1127211	588017	5409842		2020-08-03	DK	Frost Heave	136541	Grab	Feldspar Porphyry	FP	Felspar pophyry with bleached section and 1/4 % py. Subcrop? Slightly magnetic.	A20-09115	7

1127212	588111	5409864		2020-08-03	DK	Float	222674	Grab	Mafic Volcanic	MV	Mafic vol with qtz and small section of blotchy py. Float? Non-magnetic.	A20-09115	2.5
1127213	587930	5409886		2020-08-03	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with white qtz. Creek float. Non-magnetic.	A20-09115	2.5
1127214	587925	5409875		2020-08-03	DK	Float	136541	Grab	Feldspar Porphyry	FP	Highly altered feldspar pophyry with 10% books of whitish black 1 cm muscovite and a few streaks of fg pyrite. Creek float. Non-magnetic.	A20-09115	2.5
1127215	587914	5409847		2020-08-03	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with small 1 cm white qtz vein and mg blotchy py. Creek float. Slightly magnetic.	A20-09115	2.5
1127216	587910	5409839		2020-08-03	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with fg specks of pyrite. Creek float. Non-magnetic.	A20-09115	5
1127217	587915	5409847		2020-08-03	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldpar pophyry within qtz. Creek float. Non-magnetic.	A20-09115	2.5
1127218	587906	5409848		2020-08-03	DK	Float	136541	Grab	Quartz Vein	QV	Qtz with specks of pyrite. Creek float. Non-magnetic.	A20-09115	2.5
1127219	587901	5409955		2020-08-04	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with pyrite. Creek float. Non-magnetic.	A20-09115	7
1127220	587897	5409957		2020-08-04	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with 1% pyrite. Creek float. Non-magnetic.	A20-09115	2.5
1127221	587892	5409965		2020-08-04	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with 1% pyrite. Creek float. Non-magnetic.	A20-09115	16
1127222	587890	5409963		2020-08-04	DK	Float	136541	Grab	Feldspar Porphyry	FP	Feldspar porphyry with 1% pyrite. Creek float. Non-magnetic.	A20-09115	7
1127223	587734	5409622		2020-08-05	DK	Outcrop	136541	Grab	Fragmental	FRAG	Breccia (fragmental?). Very magnetic.	A20-09115	38
1127224	588131	5410197		2020-08-04	DK	Float	129958	Grab	Mafic Volcanic	MV	Mafic vol with reddish stained qtz vein. Float. Non-magnetic.	A20-09115	2.5
1127225	587711	5409689		2020-08-05	DK	Outcrop	136541	Grab	Feldspar Porphyry	FP	Sheared feldspar pophyry with specks of pyrite. Non-magnetic.	A20-09115	125
1127226	587620	5409678		2020-08-05	DK	Rubble	136541	Grab	Felsic Volcanic	FV	Cherty felsic vol with 2% pyrite. Old trench float. Non-magnetic.	A20-09115	15
1127227	587431	5409716		2020-08-05	DK	Float	142512	Grab	Sericite Schist	SS	Sericite schist with <1% pyrite. 3 ton angular float. Non-magnetic.	A20-09115	6
1127228	587428	5409718		2020-08-05	DK	Float	142512	Grab	Sericite Schist	SS	Sericite schist with <1% pyrite. Angular float. Non-magnetic.	A20-09115	17
1127229	587559	5409784		2020-08-05	DK	Outcrop	142512	Grab	Mafic Volcanic	MV	Mafic vol. with white qtz and <1% pyrite. Old trench. Magnetic section.	A20-09115	6
1127230	587559	5409784		2020-08-05	DK	Outcrop	142512	Grab	Quartz Vein	QV	White qtz with leached out section and epidote alteration. Old trench. Non-magnetic.	A20-09115	2.5
1127231	587650	5410174		2020-08-06	DK	Outcrop	156086	Grab	Felsic Volcanic	FV	Very rusty sheared felsic vol with translucent 1 cm qtz veins. Non-magnetic.	A20-09115	60
1127232	587648	5410176		2020-08-06	DK	Outcrop	156086	Grab	Unknown	UNK	Very rusty sheared with 1 cm reddish qtv veins along shear. Very magnetic.	A20-09115	33
1127233	587650	5410177		2020-08-06	DK	Outcrop	156086	Grab	Feldspar Porphyry	FP	Very rusty sheared/possible feld porphyry. Very magnetic.	A20-09115	74
1127234	587654	5410177		2020-08-06	DK	Outcrop	156086	Grab	Unknown	UNK	Very rusty sheared with qtz along shear. Very magnetic.	A20-09115	95
1127235	587646	5410175		2020-08-06	DK	Outcrop	156086	Grab	Feldspar Porphyry	FP	Possible sheared feld. porhyry with crosscutting 1 cm qtz vein with 1% pyrite. Non-magnetic.	A20-09115	40
1127236	587648	5410176		2020-08-06	DK	Outcrop	156086	Grab	Mafic Volcanic	MV	Sheared mafic vol.? with specks of pyrite. Non-magnetic.	A20-09115	95
1127237	587597	5410193		2020-08-06	DK	Outcrop	156086	Grab	Sediment	SED	Sugery red qtz alternating with black bands of magnetite. Duplicate of W072151 sample. Very magnetic.	A20-09115	162
1127238	587581	5410192		2020-08-06	DK	Outcrop	220776	Grab	Unknown	UNK	Sheared very rusty. Non-magnetic.	A20-09115	31
1127239	587506	5410215		2020-08-07	DK	Outcrop	220776	Grab	Unknown	UNK	Sheared very rusty. Magnetic.	A20-09115	135
1127240	587502	5410219		2020-08-07	DK	Outcrop	220776	Grab	Greenstone	GREEN	Sheared fg gray host. Non-magnetic.	A20-09115	12
1127241	587671	5410181		2020-08-07	DK	Outcrop	156086	Grab	Quartz Vein	QV	2 cm qtz vein in mafic vol. Non-magnetic.	A20-09115	2.5
1127242	587674	5410174		2020-08-07	DK	Outcrop	156086	Grab	Quartz Vein	QV	2 cm qtz vein in mafic vol. Non-magnetic.	A20-09115	2.5
1127243	587763	5410125		2020-08-07	DK	Outcrop	156086	Grab	Feldspar Porphyry	FP	Feldspar porphyry with specks of pyrite. Non-magnetic.	A20-09115	9
1127244	587765	5410174		2020-08-07	DK	Outcrop	156086	Grab	Feldspar Porphyry	FP	Feldspar porphyry with specks of pyrite. Non-magnetic.	A20-09115	19
1127245	587763	5410125		2020-08-07	DK	Outcrop	156086	Grab	Amphibolite	AMP	Dark biotitic (amphibolite?) with garnets. Magnetic.	A20-09890	6
1127246	586313	5410012		2020-08-11	DK	Outcrop	107203	Grab	Amphibolite	AMP	Rusty black amphibolite with garnets with slightly red 1 cm qtz vein.	A20-09890	7
1127247	586313	5410003		2020-08-11	DK	Outcrop	107203	Grab	Mafic Volcanic	MV	Rusty mafic volc. with qtz vein, py, and garnets. Non-magnetic.	A20-09890	12
1127248	586347	5410002		2020-08-11	DK	Outcrop	107203	Grab	Quartz Vein	QV	Rusty cherty gray qtz with 2% py bands. Magnetic.	A20-09890	29
1127249	586513	5409790			DK	Outcrop	107203	Grab	Felsic Volcanic	FV	Rusty sheared felsic volc. Non-magnetic.	A20-09890	2.5
1127250	586490	5409749		2020-08-11	DK	Outcrop	107203	Grab	Feldspar Porphyry	FP	Altered feldspar porphyry with f.g py. Non-magnetic.	A20-09890	6
1127251	586315	5410016		2020-08-11	DK	Outcrop	107203	Grab	Mafic Volcanic	MV	Mafic volc. Saturated with 1/2 cm white qtz veins. Slight tinge of moly? Volcaniclastic, 5cm qtz, Mo, green mica & py. Non-magnetic.	A20-09890	2.5

1127252	586599	5409787		2020-08-12	DK	Outcrop	107203	Grab	Unknown	UNK	Very weathered and very rusty black on fresh surface with a 1cm reddish qtz vein along foliation plane. Shear with strong pyrite. Very magnetic.	A20-09890	20
1127253	588891	5410054		2020-08-12	DK	Outcrop	250174	Grab	Mafic Volcanic	MV	Mafic volc. with red qtz,epidote and specks of py. Very magnetic.	A20-09890	6
1127254	588891	5410057		2020-08-12	DK	Outcrop	250174	Grab	Mafic Volcanic	MV	Mafic volc. with strong m.g py clusters. Very magnetic.	A20-09890	15
1127255	588888	5410064		2020-08-12	DK	Outcrop	250174	Grab	Mafic Volcanic	MV	Mafic volc. with specks of f.g py. Very magnetic.	A20-09890	6
1127256	588894	5410069		2020-08-12	DK	Outcrop	250174	Grab	Mafic Volcanic	MV	Mafic volc., section is magnetic with vuggy epidote being non mag. with py along mafic volc. Magnetic.	A20-09890	13
1127257	588899	5410083		2020-08-12	DK	Outcrop	250174	Chip	Mafic Volcanic	MV	Sheared mafic volc./sediments with specks of py. Chip sample over 1.5m shear, <2% qtz veining. Magnetic.	A20-09890	2.5
1127258	588810	5409813		2020-08-12	DK	Outcrop	250174	Grab	Felsic Volcanic	FV	Small piece of unmineralized felsic volc. and a small piece of unmineralized amphibolite, in contact with porphyry with quartz veining. Non-magnetic.	A20-09890	2.5
1127259	590551	5409418		2020-08-12	DK	Outcrop	280056	Grab	Mafic Volcanic	MV	Black f.g mafic volc. with 1 cm bands of sugary qtz veins. Old trench. Magnetic.	A20-09890	963
1127260	590551	5409417		2020-08-12	DK	Outcrop	280056	Chip	Unknown	UNK	Shear zone gossan, 120 azm 70 deg S. 35cm wide chip sample in trench. Magnetic.	A20-09890	62
1127261	590551	5409416		2020-08-12	DK	Outcrop	280056	Chip	Sediment	SED	v.f.g purple gray sediment with no sulfides. Chip sample immediately south of sample 1127260, 2.5ft wide biotite unit. Non-magnetic.	A20-09890	9
1127262	590551	5409415		2020-08-12	DK	Outcrop	280056	Chip	Unknown	UNK	Sheared gossan plus banded quartz and Mo., some py. Chip sample 30cm wide next to 1127262. Very magnetic.	A20-09890	74
1127263	590551	5409408		2020-08-12	DK	Float	280056	Grab	Amphibolite	AMP	Amphibolite with sugary rusty qtz veins, micaceous unit, Mo. and py in trench. Float. Non-magnetic.	A20-09890	2.5
1127264	590551	5409418		2020-08-12	DK	Outcrop	280056	Chip	Mafic Volcanic	MV	V.f.g mafic volc. with no sulphides. Chip sample in old trench. Non-magnetic.	A20-09890	2.5
1127265	589147	5408963		2020-08-13	DK	Outcrop	226564	Grab	Sericite Schist	SS	Rusty sericite schist with a qtz vein on ATV trail. Non-magnetic.	A20-09890	2.5
1127266	588816	5409104		2020-08-13	DK	Outcrop	182774	Chip	Felsic Volcanic	FV	Biotitic felsic volc. with indication of folding with <1% py. Chip sample in trench. Non-magnetic.	A20-09890	2.5
1127267	588815	5409106		2020-08-13	DK	Outcrop	182774	Chip	Amphibolite	AMP	Amphibolite with rusty qtz vein and <1% py. Chip sample in trench. Non-magnetic.	A20-09890	2.5
1127268	588816	5409106		2020-08-13	DK	Outcrop	182774	Chip	Felsic Volcanic	FV	Rusty sheared and contorted felsic volc. with 1% py. Chip sample in trench. Non-magnetic.	A20-09890	2.5
1127269	588820	5409105		2020-08-13	DK	Outcrop	182774	Chip	Feldspar Porphyry	FP	Chip sample across 3 ft of feldspar porph. With streaks of <1% py. Chip sample in trench. Non-magnetic.	A20-09890	2.5
1127270	588023	5409195		2020-08-14	DK	Float	268735	Grab	Feldspar Porphyry	FP	Feldspar porph with 1 cm crosscutting qtz vein. Float a few feet off N/S road with small crosscutting qtz veinlets. Non-magnetic.	A20-09890	2.5
1127271	588113	5409348		2020-08-14	DK	Float	310053	Grab	Unknown	UNK	Light and dark bands. Very feldspathic with tiny qtz veinlets and 1% f.g py. Convex shaped float a few feet off N/S road. Non-magnetic.	A20-09890	51
1127272	588301	5409304		2020-08-14	DK	Outcrop	310053	Grab	Sericite Schist	SS	Quartz eye sericite schist. Non-magnetic.	A20-09890	2.5
1127273	588331	5409226		2020-08-14	DK	Outcrop	310053	Grab	Sericite Schist	SS	Quartz eye sericite schist. Non-magnetic.	A20-09890	2.5
1127274	588349	5409255		2020-08-14	DK	Outcrop	310053	Grab	Sericite Schist	SS	Quartz eye sericite schist with <1% f.g py. Non-magnetic.	A20-09890	2.5
1127275	587913	5409824		2020-08-16	DK	Outcrop	136541	Grab	Quartz Vein	QV	White qtz, 276 degree strike in creek bed. Non-magnetic.	A20-09890	2.5
1127276	587906	5409824		2020-08-16	DK	Outcrop	136541	Chip	Sericite Schist	SS	V.f.g sheared sericite schist. 4 ft chip sample across creek bed, shear zone. Non-magnetic.	A20-09890	8
1127277	587846	5409693		2020-08-16	DK	Outcrop	136541	Grab	Feldspar Porphyry	FP	Altered feldspar porph. with 1 cm band of magnetite with specks of py. Very magnetic.	A20-09890	18
1127278	587849	5409686		2020-08-16	DK	Outcrop	136541	Grab	Mafic Volcanic	MV	Mafic volc. and felsic volc. in contact with white qtz. Very magnetic.	A20-09890	6
1127279	587870	5409644		2020-08-16	DK	Outcrop	136541	Grab	Felsic Volcanic	FV	Very rusty possible felsic volc. with high qtz content. Non-magnetic.	A20-09890	6
1127280	587835	5409566		2020-08-16	DK	Outcrop	171258	Grab	Sericite Schist	SS	Quartz eye sericite schist with <1% v.f.g py, shear zone striking 309 degrees. Non-magnetic.	A20-09890	2.5
1127281	587836	5409584		2020-08-16	DK	Outcrop	171258	Grab	Sericite Schist	SS	Quartz eye sericite schist with <1% v.f.g py. Non-magnetic.	A20-09890	2.5
1127282	587921	5409480		2020-08-16	DK	Float	171258	Grab	Felsic Volcanic	FV	Felsic volc. Very dense with translucent grey qtz with black 0.5mm band and specks of py. 2 foot 'pancake floats' in creek bed. Non-magnetic.	A20-09890	2.5
1127283	587179	5409953		2020-08-18	DK	Outcrop	142512	Grab	Felsic Volcanic	FV	Sheared micaceous felsic volc. with band of black micro veins and a 1 cm qtz vein along foliation, rusty with no visible sulphides. Non-magnetic.	A20-09890	9
1127284	587098	5409882		2020-08-18	DK	Outcrop	231207	Grab	Feldspar Porphyry	FP	Dark gray possible altered sheared feldspar porph. in contact with light beige qtz vein. Magnetic.	A20-09890	2.5
1127285	587364	5409860		2020-08-18	DK	Outcrop	142512	Grab	Felsic Volcanic	FV	Felsic volcanic, sericite with f.g specks of py. Slightly magnetic.	A20-09890	14
1127286	587394	5409850		2020-08-18	DK	Outcrop	142512	Grab	Sericite Schist	SS	Light gray sericite schist with rusty bands. Non-magnetic.	A20-09890	2.5
1127287	587439	5409853		2020-08-18	DK	Outcrop	142512	Grab	Greenstone	GREEN	Rusty black with faint light pink phenocrysts, either garnets or feldspars. Very magnetic.	A20-09890	9

1127288	587441	5409856		2020-08-18	DK	Outcrop	142512	Grab	Sediment	SED	Slightly purple gray possible sediment & altered feldspar porph with specks of py. throughout sample. Non-magnetic.	A20-09890	18
1127289	587470	5409852		2020-08-18	DK	Outcrop	142512	Grab	Greenstone	GREEN	Tightly sheared rusty micaceous gray with 1% strings of py. Magnetic.	A20-09890	11
1127290	587528	5409919		2020-08-18	DK	Outcrop	142512	Grab	Felsic Volcanic	FV	Sheared felsic volc. Very orange red rust throughout sample with no visible sulfides. Non-magnetic.	A20-09890	8
1127291	589284	5409407		2020-08-31	DK	Outcrop	250175	Grab	Mafic Volcanic	MV	Rusty mafic volc. with disseminated & specks py and a 1/8" red qtz vein. Non-magnetic.	A20-11481	6
1127292	589201	5409467		2020-08-31	DK	Float	250175	Grab	Feldspar Porphyry	FP	Feldspar porp. With specks c.g. py and qtz. Float. Non-magnetic.	A20-11481	2.5
1127293	588930	5409556		2020-08-31	DK	Float	231203	Grab	Mafic Volcanic	MV	Mafic vol. with 1/6" veinlets of <1% po. Angular float. Very magnetic.	A20-11481	120
1127294	588574	5409688		2020-08-31	DK	Float	250174	Grab	Mafic Volcanic	MV	Mafic vol with <1% po, py. Float. Very magnetic.	A20-11481	2.5
1127295	590581	5409013		2020-09-01	DK	Float	234492	Grab	Felsic Volcanic	FV	Felsic vol.(salt and pepper) in contact with rusty qtz vein. 1 ton float with 2" qtz vein. Non-magnetic.	A20-11481	2.5
1127296	590588	5409026		2020-09-01	DK	Outcrop	234492	Grab	Mafic Volcanic	MV	Rusty mafic vol. with <1% py. Magnetic.	A20-11481	7
1127297	590588	5409032		2020-09-01	DK	Float	234492	Grab	Feldspar Porphyry	FP	Feldspar porphyry with white and red qtz. Float. Non-magnetic.	A20-11481	2.5
1127298	590604	5409028		2020-09-01	DK	Outcrop	234492	Grab	Quartz Vein	QV	Rusty qtz. Non-magnetic.	A20-11481	2.5
1127299	590921	5408911		2020-09-01	DK	Outcrop	253302	Grab	Quartz Vein	QV	Sheared qtz vein with small spots of muscovite, mafic/qtz porphyry contact. Non-magnetic.	A20-11481	2.5
1127300	590916	5408908		2020-09-01	DK	Outcrop	253302	Grab	Quartz Feldspar Porphyry	QFP	QFP in contact with a qtz vein. Non-magnetic.	A20-11481	7
1127351	587079	5410292		2020-09-30	DK	Outcrop	176092	Grab	Feldspar Porphyry	FP	Altered feldspar por. With qtz.	A20-12289	6
1127352	587094	5410296		2020-09-30	DK	Outcrop	176092	Grab	Greenstone	GREEN	Very rusty rind, highly sheared greenish gray host rock with 3% f.g py.	A20-12289	125
1127353	587106	5410299		2020-09-30	DK	Outcrop	176092	Grab	Greenstone	GREEN	Very rusty rind, dark gray host rock with 3% f.g py.	A20-12289	263
1127354	587104	5410296		2020-09-30	DK	Outcrop	176092	Grab	Greenstone	GREEN	Very rusty rind, dark gray host rock with 3% f.g py or Cu.	A20-12289	164
1127355	587045	5410370		2020-10-01	DK	Float	176092	Grab	Feldspar Porphyry	FP	Altered feldspar por with qtz and specks py. Float.	A20-12289	6
1127357	587445	5410051		2020-10-01	DK	Frost Heave	142512	Grab	Unknown	UNK	Angular subcrop with 5% pyrite.	A20-12289	136
1127358	587440	5410052		2020-10-01	DK	Outcrop	142512	Grab	Felsic	F	Felsic rock with pyrite.	A20-12289	15
1127359	587445	5410050		2020-10-01	DK	Frost Heave	142512	Grab	Unknown	UNK	Subcrop with 10% stringer pyrite.	A20-12289	76
1127360	586565	5410136		2020-10-08	DK	Outcrop	146856	Grab	Quartz Vein	QV	2" white sugery qtz in contact with rusty felsics and specks py. Non-magnetic.	A20-12945	2.5
1127361	586598	5410148		2020-10-08	DK	Outcrop	146856	Grab	Sediment	SED	Rusty rind foliated seds cherty biotitic with specks py. Very magnetic.	A20-12945	10
1127362	587458	5410284		2020-10-08	DK	Outcrop	220776	Grab	Amphibolite	AMP	Rusty rind black amphibole with qtz and leached out portions. Non-magnetic.	A20-12945	2.5
1127363	588111	5409351		2020-10-10	DK	Float	310053	Grab	Felsic Volcanic	FV	Felsic vol. sheared qfp? with streaks of py. Road ditch float. Non-magnetic.	A20-12945	34
1127364	588114	5409346		2020-10-10	DK	Float	310053	Grab	Felsic Volcanic	FV	same as 1127363, road ditch float. Non-magnetic.	A20-12945	2.5
1127365	588109	5409351		2020-10-10	DK	Float	310053	Grab	Sericite Schist	SS	Q.e ser.schist, sheared, 5% pyrite. Road ditch float. Non-magnetic.	A20-12945	19
1127366	588109	5409348		2020-10-10	DK	Float	310053	Grab	Sericite Schist	SS	Q.e ser.schist, road ditch float. Non-magnetic.	A20-12945	2.5
1127367	588113	5409344		2020-10-10	DK	Float	310053	Grab	Sericite Schist	SS	Q.e ser.schist, road ditch float. Non-magnetic.	A20-12945	2.5
1127368	588105	5409340		2020-10-10	DK	Float	310053	Grab	Sericite Schist	SS	Q.e ser.schist, 2 ton road ditch float. Non-magnetic.	A20-12945	2.5
1127369	588109	5409344		2020-10-10	DK	Float	310053	Grab	Sericite Schist	SS	Q.e ser.schist, road ditch float. Non-magnetic.	A20-12945	2.5
1127370	588114	5409350		2020-10-10	DK	Float	310053	Grab	Sericite Schist	SS	Q.e ser.schist, road ditch float. Non-magnetic.	A20-12945	55
1127371	588032	5409386		2020-10-10	DK	Outcrop	171258	Grab	Unknown	UNK	F.g bluish section. Rock corroded very rusty with 5% py along foliation. Bedrock north side of trench. Magnetic.	A20-12945	8
1127372	588036	5409382		2020-10-10	DK	Outcrop	171258	Grab	Unknown	UNK	V.f.g cherty blueish tightly banded with 1% f.g py. Bedrock north side of trench. Magnetic.	A20-12945	2.5
1127373	587670	5409718		2020-10-11	DK	Frost Heave	136541	Grab	Unknown	UNK	Blueish color rock with tinge of pink feldspar and 1% py. Subcrop, rusty shear. Magnetic.	A20-12945	6
1127374	587693	5409695		2020-10-11	DK	Outcrop	136541	Grab	Unknown	UNK	Sheared cherty blueish with streaks of 1% py along foliation. Non-magnetic.	A20-12945	32
1127375	587710	5409691		2020-10-11	DK	Outcrop	136541	Grab	Unknown	UNK	Cherty f.g blueish with small cluster of f.g py. Non-magnetic.	A20-12945	93
1127376	587760	5409614		2020-10-11	DK	Outcrop	171258	Grab	Sericite Schist	SS	Sericite schist 1% py. Non-magnetic.	A20-12945	32
1127377	587744	5409625		2020-10-11	DK	Outcrop	136541	Grab	Sericite Schist	SS	Cherty sericite schist. Non-magnetic.	A20-12945	94
1127378	587763	5409647		2020-10-11	DK	Outcrop	136541	Grab	Sericite Schist	SS	Sericite schist with qtz vein. Non-magnetic.	A20-12945	140
1127379	587776	5409661		2020-10-11	DK	Outcrop	136541	Grab	Unknown	UNK	Blueish rock, cherty with 2% py along foliation with qtz. Non-magnetic.	A20-12945	78
1127380	587791	5409665		2020-10-11	DK	Outcrop	136541	Grab	Porphyry	POR	Altered sheared porph.with qtz vein and specks of py. Non-magnetic.	A20-12945	7
1127381	587879	5409628		2020-10-11	DK	Outcrop	136541	Grab	Porphyry	POR	Altered sheared porph.with qtz vein and specks of py. Non-magnetic.	A20-12945	24

1127382	587866	5409460		2020-10-12	DK	Outcrop	171258	Grab	Feldspar Porphyry	FP	Altered f. porph. with qtz and specks py. Non-magnetic.	A20-12945	2.5
1127383	587869	5409461		2020-10-12	DK	Outcrop	171258	Grab	Sericite Schist	SS	Sericite schist with py. Non-magnetic.	A20-12945	2.5
1127384	587992	5409473		2020-10-12	DK	Outcrop	171258	Grab	Felsic Volcanic	FV	Felsic vol. cherty tightly folded 2% f.g py and small qtz vein. Creek bedrock. Non-magnetic.	A20-12945	6
1127385	588031	5409501		2020-10-12	DK	Outcrop	171258	Grab	Porphyry	POR	Quartz eye porph and qtz. Non-magnetic.	A20-12945	2.5
1127386	588033	5409504		2020-10-12	DK	Outcrop	171258	Grab	Porphyry	POR	Quartz eye porph and qtz. Non-magnetic.	A20-12945	2.5
1127387	588347	5409411		2020-10-12	DK	Outcrop	310053	Grab	Mafic Volcanic	MV	Mafic vol. 2% py with qtz. Non-magnetic.	A20-12945	2.5
1127388	588073	5409298		2020-10-12	DK	Float	310053	Grab	Sericite Schist	SS	Sericite schist. 1 ton ditch float. Non-magnetic.	A20-12945	2.5
1127389	588072	5409297		2020-10-12	DK	Float	310053	Grab	Sericite Schist	SS	Sericite schist, mafic-felsic contact road ditch float. Non-magnetic.	A20-12945	2.5
1127401	590920	5408915		2020-09-01	DK	Outcrop	253302	Grab	Feldspar Porphyry	FP	Feldspar por. in contact with a qtz vein. Non-magnetic.	A20-11481	2.5
1127402	577823	5404435		2020-09-04	DK	Outcrop	241913	Grab	Mafic Volcanic	MV	Sheared mafic vol in contact with gray qtz vein. Non-magnetic.	A20-11481	2.5
1127403	577815	5404446		2020-09-04	DK	Outcrop	241913	Grab	Felsic Volcanic	FV	Rusty felsic vol. with specks py. Non-magnetic.	A20-11481	2.5
1127404	577793	5404437		2020-09-04	DK	Outcrop	241913	Grab	Mafic Volcanic	MV	Mafic vol. with 1" white qtz vein. Non-magnetic.	A20-11481	2.5
1127405	577352	5404077		2020-09-04	DK	Outcrop	325042	Grab	Felsic Volcanic	FV	Sheared felsic volc. Non-magnetic.	A20-11481	2.5
1127406	577353	5404076		2020-09-04	DK	Outcrop	325042	Grab	Felsic Volcanic	FV	Sheared felsic vol with specks py and qtz. Non-magnetic.	A20-11481	2.5
1127407	577360	5404087		2020-09-04	DK	Outcrop	325042	Grab	Felsic Volcanic	FV	Rusty sheared felsic vol. with specks py and qtz. Non-magnetic.	A20-11481	2.5
1127408	577315	5404107		2020-09-04	DK	Outcrop	325042	Grab	Greenstone	GREEN	Very fine grained purple gray host rock with pink felsic veinlets. Mineralized with 20% m.g py bands. Kusins lower pit. Non-magnetic.	A20-11481	21
1127409	577312	5404107		2020-09-04	DK	Outcrop	325042	Chip	Felsic Volcanic	FV	Rusty felsic vol with 0.5 cm patch of visible galena and 2% py. Kusins lower pit chip sample. Non-magnetic.	A20-11481	2.5
1127410	577314	5404103		2020-09-04	DK	Outcrop	325042	Chip	Felsic Volcanic	FV	Very rusty felsic vol with 1% py. Kusins lower pit chip sample. Non-magnetic.	A20-11481	38
1127411	577314	5404102		2020-09-04	DK	Outcrop	325042	Grab	Sediment	SED	Very little host rock with 80% py, Kusins lower pit. Non-magnetic.	A20-11481	266
1127421	578252	5404751		2020-09-13	DK	Talus	258443	Grab	Unknown	UNK	Talus with galena.	A20-11481	2.5
1127423	578250	5404757		2020-09-13	DK	Talus	258443	Grab	Unknown	UNK	Talus with galena, shore of Black River.	A20-11481	2.5
1127424	578303	5404745		2020-09-13	DK	Talus	258443	Grab	Unknown	UNK	Along Black River shore, no flagging tape at location.	A20-11481	2.5
1127425	578249	5404757		2020-09-13	DK	Talus	258443	Grab	Unknown	UNK	Talus 1m from 1127423, not flagged.	A20-11481	2.5
1127428	591051	5407638		2020-09-18	DK	Float	554483	Grab	Quartz Vein	QV	Quartz float.	A20-11481	2.5
1127429	590941	5407991		2020-09-18	DK	Float	277949	Grab	Quartz Vein	QV	Several local quartz floats.	A20-11481	2.5
1127434	586146	5409928		2020-09-24	DK	Outcrop	250182	Grab	Sediment	SED	Slightly rusty rind, slightly sheared sediments with no visible sulphides.	A20-12289	2.5
1127435	586153	5409929		2020-09-24	DK	Outcrop	250182	Grab	Sediment	SED	Sediments rusty rind, dark gray on fresh surface with no visible sulphides.	A20-12289	2.5
1127436	586176	5409827		2020-09-24	DK	Outcrop	250182	Grab	Sericite Schist	SS	Slightly rusty rind, bleached sericite schist with very tiny specks of white cubic sulfides.	A20-12289	2.5
1127437	589330	5409095		2020-09-25	DK	Outcrop	226564	Grab	Sediment	SED	Seds with highly foliated rusty rind with strings of f.g py.	A20-12289	208
1127438	589331	5409079		2020-09-25	DK	Rubble	226564	Grab	Unknown	UNK	Highly foliated rusty rind with 10% stringer pyrite. Trench float 12m from Dan's control grid.	A20-12289	17
1127439	588966	5409068		2020-09-25	DK	Outcrop	182774	Grab	Sericite Schist	SS	Sericite schist with <1% f.g pyrite.	A20-12289	2.5
1127440	588100	5409830		2020-09-26	DK	Float	222674	Grab	Mafic Volcanic	MV	Mafic vol. very heavy rusty rind with 1/8 inch red q.v. Sheared float.	A20-12289	7
1127441	587599	5410165		2020-09-26	DK	Outcrop	156086	Grab	Sediment	SED	Rusty sheared sediments with no visible sulphides.	A20-12289	12
1127442	588097	5409833		2020-09-26	DK	Outcrop	222674	Grab	Quartz Vein	QV	Rusty and red stained qtz.	A20-12289	2.5
1127443	587597	5409802		2020-09-26	DK	Outcrop	142512	Grab	Felsic Volcanic	FV	Felsic vol. with <1% f.g py.	A20-12289	5
1127444	587662	5410185		2020-09-26	DK	Float	156086	Grab	Greenstone	GREEN	Rusty rind. greenish gray host with amphibole, py,po. 1 ton float near road.	A20-12289	32
1127445	586816	5410226		2020-09-30	DK	Outcrop	176092	Grab	Mafic Volcanic	MV	Dark green mafic vol. with leached out light beige q.v.	A20-12289	2.5
1127446	587040	5410262		2020-09-30	DK	Outcrop	176092	Grab	Sediment	SED	Purple gray sediments with f.g stringer Py.	A20-12289	50
1127447	587034	5410261		2020-09-30	DK	Outcrop	176092	Grab	Unknown	UNK	Altered host in contact with qtz.,epidote and f.g py.	A20-12289	2.5
1127448	587038	5410264		2020-09-30	DK	Outcrop	176092	Grab	Unknown	UNK	Altered host in contact with qtz.,epidote and f.g py.	A20-12289	8
1127449	587069	5410291		2020-09-30	DK	Outcrop	176092	Grab	Quartz Vein	QV	White qtz with specks py and epidote.	A20-12289	2.5
1127450	587071	5410288		2020-09-30	DK	Outcrop	176092	Grab	Feldspar Porphyry	FP	Possible altered feldspar por. with specks py.	A20-12289	7
1127451	586063	5409971		2020-10-13	DK	Float	250182	Grab	Greenstone	GREEN	Very magnetic, very heavy 20% chalco or py. Very fine grained host rock and is dark gray color. Sulfides are along foliaton. Float on east side of road.	A20-12945	84
1127452	586051	5409969		2020-10-13	DK	Float	250182	Grab	Greenstone	GREEN	Very magnetic , dark gray host rock with 5% py and qtz veining along foliation. Rusty leached gravel, 1 ton float west side of road/old sample tag bp-lun-3.	A20-12945	77
W1279851	586594	5410073	399	2020-08-12	BM/CR	Outcrop	146856	Grab	Mafic Volcanic	MV	Fine-medium-grained mafic volcanic with rusty surface, minor garnet, 1% disseminated pyrite. Outcrop with 100 degree/subvertical foliation.	A20-10122	14

W1279852	587114	5409723	378	2020-08-15	BM/CR	Float	231207	Grab	Granite	GRAN	Medium-grained, rusty granite with minor-moderate white mica, trace pyrite cubes. Angular boulder.	A20-10122	2.5
W1279853	587111	5409752	382	2020-08-15	BM/CR	Float	231207	Grab	Porphyry	POR	Very rusty, weakly foliated, strongly silicified porphyry, 1-2% pyrite. Float sampled in 2016 which returned 208ppb Au then.	A20-10122	22
W1279854	587079	5409913	390	2020-08-15	BM/CR	Outcrop	231207	Grab	Mafic Volcanic	MV	Rusty, silicified mafic volcanic with 1% pyrite. Outcrop from ~3m wide rusty zone.	A20-10122	8
W1279855	587077	5409913.5	390	2020-08-15	BM/CR	Outcrop	231207	Grab	Mafic Volcanic	MV	Rusty, strongly silicified mafic volcanic with minor quartz blebs, 1-2% pyrite blebs/stringers. Outcrop on N margin of same zone as previous sample. Foliation 090 degrees/subvertical dip.	A20-10122	57
W1279856	586534	5410369	367	2020-08-16	BM/CR	Outcrop	146856	Grab	Mafic Volcanic	MV	Rusty mafic volcanic with 1-2% pyrite stringers/blebs, minor hematized 2-3mm quartz stringers with pyrite. Outcrop just north of ATV trail, south side of swamp/pond. Water level appears to be at lowest point in years.	A20-10122	10
W1279857	587357	5410114	399	2020-08-16	BM/CR	Outcrop	220776	Grab	Intermediate Volcanic	IV	Fine-medium-grained, silicified, weakly-moderately foliated intermediate volcanic (?) with minor quartz blebs, trace-0.5% pyrite. Fractured outcrop.	A20-10122	24
W1279858	587330	5409623	369	2020-08-17	BM/CR	Float	142512	Grab	Porphyry	POR	Rusty, weakly-moderately silicified, weakly-moderately foliated porphyry, trace-0.5% pyrite. Angular to subangular float.	A20-10122	26
W1279859	587342	5409673		2020-08-17	BM/CR	Float	142512	Grab	Porphyry	POR	Rusty, altered, moderately foliated porphyry, moderate sericite, 0.5% pyrite. Angular float.	A20-10122	10
W1279860	587348	5409862	391	2020-08-17	BM/CR	Outcrop	142512	Grab	Porphyry	POR	Rusty, weakly-moderately foliated porphyry, some rust along foliation planes, trace pyrite. Outcrop.	A20-10122	15
W1279861	587647	5409522		2020-08-19	BM/CR	Rubble	171258	Grab	Porphyry	POR	Rusty, silicified, foliated porphyry with minor-moderate white mica, 0.5% pyrite blebs/stringers. Trench rubble in old ~N/S trench.	A20-10122	6
W1279862	587608	5409672	374	2020-08-19	BM/CR	Rubble	136541	Grab	Porphyry	POR	Rusty, strongly silicified, moderately foliated porphyry, 1-2% fine disseminated pyrite, some rusty fractures. Trench rubble in same ~N/S trench as sample A527593.	A20-10122	10
W1279863	587600	5409684	375	2020-08-19	BM/CR	Outcrop	142512	Grab	Porphyry	POR	Rusty, strongly silicified, moderately foliated porphyry, 1% disseminated elongated pyrite. Foliation trends 120-130 degrees and dips 75-85 degrees southwest.	A20-10122	7
W1279864	587864	5409514	368	2020-08-20	BM/CR	Outcrop	171258	Grab	Porphyry	POR	Rusty, silicified porphyry with 0.5% disseminated pyrite. Fractured outcrop.	A20-10122	2.5
W1279865	587868	5409519	366	2020-08-20	BM/CR	Float	171258	Grab	Mafic Volcanic	MV	Rusty, sheared, weakly-moderately silicified mafic volcanic with 10% pyrite stringers, minor porphyry breccia. Angular boulder, sheared MV adjacent to porphyry breccia in MV.	A20-10122	271
W1279866	587876	5409519	359	2020-08-20	BM/CR	Float	171258	Grab	Porphyry	POR	Rusty, orange-grey, altered, strongly silicified porphyry with minor quartz blebs, minor-moderate segregated biotite or possibly phlogopite, 0.5% pyrite. Orange staining may be potassic alteration (?).	A20-10122	2.5
W1279867	587859	5409533	359	2020-08-20	BM/CR	Frost Heave	171258	Grab	Porphyry	POR	Very rusty, moderately-strongly sheared, strongly silicified porphyry, trace-0.5% pyrite. Frost heave on side of hill.	A20-10122	2.5
W1279868	587856	5409535	364	2020-08-20	BM/CR	Frost Heave	171258	Grab	Porphyry	POR	Rusty, moderately foliated, moderately-strongly silicified porphyry, 0.5% pyrite. Frost heave boulder.	A20-10122	2.5
W1279869	590983	5409285	366	2020-08-23	BM/CR	Outcrop	108980	Grab	Porphyry	POR	Rusty, strongly silicified porphyry (QFP?) with trace-0.5% pyrite. Outcrop.	A20-10122	5
W1279870	591008	5408765	369	2020-08-23	BM/CR	Outcrop	253302	Grab	Porphyry	POR	Very rusty, strongly silicified, foliated porphyry with 0.5% fine disseminated pyrite, locally up to 10% on fracture planes. Outcrop, foliation strikes 135/66 degrees SW, in contact to SW with silicified mafic-intermediate volcanic.	A20-10122	149
W1279871	590894	5408863	374	2020-08-23	BM/CR	Outcrop	253302	Grab	Porphyry	POR	Very rusty, moderately-strongly sheared, strongly silicified porphyry with moderate sericite, 1-2% bands of fine pyrite. 1m rusty zone, shear strikes 100/65 degrees south.	A20-10122	33

APPENDIX II

Rock Assay Certificates (Act Labs)

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-10122**
Report Date: **07-Oct-20**
Date Submitted: **27-Aug-20**
Your Reference: **LIM**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

21 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Timmins	QOP AA-Au (Au - Fire Assay AA)	2020-09-25 10:48:17

REPORT **A20-10122**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A20-10122**
Report Date: **07-Oct-20**
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141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

21 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-09-25 14:51:45

REPORT **A20-10122**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
W1279851	14	17.9	0.2	2	0.049	1.00	2.61	0.060	1.830	0.05	1.73	89	33	0.18	1390	6.45	81.7	57.9	286	65.6	5.32	< 0.1	1.3
W1279852	< 5	2.0	0.3	1	0.081	0.05	0.30	0.003	0.030	0.04	0.28	3	9	0.01	99	0.62	1.0	1.5	8.8	4.4	2.03	< 0.1	0.8
W1279853	22	1.0	< 0.1	1	0.043	0.02	0.31	0.031	5.167	0.23	0.04	26	23	0.13	46	6.85	22.1	22.7	16.6	2.8	1.56	< 0.1	20.6
W1279854	8	25.3	0.3	2	0.172	1.00	3.38	0.063	0.558	0.47	1.93	76	35	0.17	1290	6.71	9.0	9.4	42.3	78.9	10.6	< 0.1	0.5
W1279855	57	14.1	0.2	2	0.144	0.47	1.65	0.055	1.738	0.17	0.83	64	44	0.17	539	5.17	11.2	7.5	114	170	6.51	< 0.1	0.3
W1279856	10	24.0	0.2	3	0.088	0.90	1.75	0.051	1.172	0.06	1.47	75	23	0.16	299	3.81	18.9	10.7	155	72.5	6.23	< 0.1	1.0
W1279857	24	22.6	0.1	2	0.042	0.89	1.55	0.056	0.102	0.24	0.73	41	14	0.19	296	2.55	7.5	8.6	6.3	53.1	5.84	< 0.1	0.9
W1279858	26	16.4	0.2	6	0.056	0.60	0.80	0.022	0.392	0.25	0.23	19	13	0.09	212	1.50	2.2	3.3	28.6	51.1	4.88	< 0.1	1.0
W1279859	10	15.9	< 0.1	2	0.059	0.82	1.13	0.047	1.821	0.68	0.15	38	33	0.07	161	2.85	30.1	36.6	18.7	11.7	4.39	< 0.1	2.2
W1279860	15	12.9	< 0.1	< 1	0.057	0.43	1.34	0.043	0.251	0.15	0.05	61	27	0.08	249	4.26	7.1	6.3	19.1	21.0	5.54	< 0.1	0.6
W1279861	6	27.3	0.3	4	0.068	0.93	1.19	0.022	0.452	0.25	0.50	14	10	0.03	156	1.02	4.5	4.8	2.0	10.6	5.30	< 0.1	1.5
W1279862	10	20.5	0.3	3	0.293	0.78	2.40	0.023	1.253	0.18	1.56	16	15	0.03	75	2.09	10.6	7.0	61.7	7.1	7.65	< 0.1	0.8
W1279863	7	21.7	0.2	2	0.064	0.95	1.25	0.024	0.981	0.13	0.59	11	13	0.03	109	1.59	6.7	5.8	29.6	12.5	5.15	< 0.1	0.7
W1279864	< 5	13.0	0.2	3	0.072	0.63	0.66	0.019	0.347	0.08	0.14	18	13	0.04	150	1.38	3.6	3.7	23.9	22.2	4.64	< 0.1	1.1
W1279865	271	18.9	< 0.1	2	0.033	1.31	1.69	0.033	5.207	0.15	0.36	76	750	0.25	817	9.12	28.9	282	546	810	6.01	< 0.1	4.0
W1279866	< 5	10.6	0.1	2	0.071	1.33	1.18	0.010	0.398	0.76	0.10	24	15	0.12	163	1.92	6.9	3.1	6.5	25.8	7.29	< 0.1	1.2
W1279867	< 5	40.3	0.3	6	0.073	1.61	1.75	0.013	0.037	0.48	0.24	19	17	0.08	412	1.57	4.7	12.1	9.0	99.7	6.87	< 0.1	0.5
W1279868	< 5	36.7	0.3	18	0.056	1.42	1.57	0.025	0.204	0.30	0.42	23	18	0.06	378	1.40	4.3	9.9	1.5	47.2	7.44	< 0.1	0.4
W1279869	5	15.7	< 0.1	1	0.062	0.43	0.79	0.028	0.130	0.32	0.28	18	15	0.06	166	1.56	3.8	8.0	4.2	51.2	3.78	< 0.1	7.3
W1279870	149	16.2	< 0.1	1	0.182	0.77	2.21	0.039	1.096	0.38	0.79	74	50	0.07	250	4.40	21.2	33.2	75.3	48.5	6.33	< 0.1	1.4
W1279871	33	1.2	< 0.1	< 1	0.040	< 0.01	0.27	0.047	1.444	0.15	0.02	7	7	< 0.01	21	3.20	6.6	5.1	8.6	5.7	0.93	< 0.1	9.2

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
W1279851	5.1	4.9	57.3	5.73	7.6	6.7	2.2	1.8	1.4	0.2	0.6	< 0.1	0.4	0.92	0.791	0.06	< 0.02	0.46	0.08	0.41	0.59	18.3	8.7
W1279852	0.2	2.0	9.5	0.99	17.2	0.6	0.3	0.2	0.1	< 0.1	< 0.1	< 0.1	0.2	0.37	0.041	< 0.01	< 0.02	0.08	0.03	< 0.02	0.20	16.5	1.8
W1279853	5.6	6.9	10.2	1.58	5.0	1.1	0.3	0.4	0.4	< 0.1	0.2	< 0.1	0.5	0.80	0.589	< 0.01	< 0.02	0.14	0.71	0.50	0.64	6.0	1.0
W1279854	0.4	15.7	80.9	6.26	4.4	7.4	2.2	1.6	1.3	0.2	0.7	< 0.1	0.2	0.50	0.121	0.02	0.09	0.45	0.05	0.30	1.87	73.1	8.2
W1279855	6.6	6.3	69.6	4.66	29.2	7.9	2.2	1.2	1.0	0.2	0.5	< 0.1	0.3	1.81	1.23	0.28	0.10	0.38	0.03	2.71	0.80	19.7	11.5
W1279856	1.5	2.3	50.5	4.22	15.6	7.2	1.1	0.9	0.9	0.2	0.5	< 0.1	0.3	0.65	0.254	0.10	0.02	0.62	0.04	0.48	0.29	22.6	4.5
W1279857	0.3	7.0	32.8	3.95	8.1	3.9	2.0	1.1	0.9	0.2	0.4	< 0.1	0.3	2.13	0.109	0.02	< 0.02	0.20	0.03	0.07	0.74	58.9	8.2
W1279858	0.6	8.8	16.6	0.94	10.3	2.0	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.1	1.02	0.309	0.06	< 0.02	0.20	0.03	0.28	1.06	44.5	2.8
W1279859	0.8	18.3	8.2	2.94	40.7	4.8	1.6	0.9	0.7	0.1	0.4	< 0.1	< 0.1	2.44	0.097	< 0.01	< 0.02	0.23	0.09	0.32	1.51	14.7	6.3
W1279860	1.0	5.8	24.0	2.84	2.4	2.9	4.4	2.5	1.2	0.1	0.3	< 0.1	0.2	0.74	0.222	0.01	< 0.02	0.07	0.05	0.23	0.62	47.8	16.5
W1279861	0.3	9.0	17.6	1.43	12.5	1.8	1.3	0.6	0.3	< 0.1	0.1	< 0.1	< 0.1	0.35	0.036	0.02	< 0.02	0.18	0.03	0.03	1.27	50.5	5.1
W1279862	2.2	6.1	150	1.38	14.2	1.8	0.7	0.4	0.3	< 0.1	0.1	< 0.1	< 0.1	45.6	0.065	< 0.01	< 0.02	0.26	0.04	0.19	1.51	33.0	2.7
W1279863	0.6	5.1	12.0	1.53	12.3	1.4	1.1	0.6	0.4	< 0.1	0.2	< 0.1	< 0.1	2.13	0.139	< 0.01	< 0.02	0.08	0.02	0.16	0.43	19.7	4.5
W1279864	0.3	2.4	8.1	1.22	8.3	2.0	0.9	0.5	0.3	< 0.1	0.1	< 0.1	< 0.1	1.23	0.231	0.03	< 0.02	0.12	0.02	0.28	0.33	31.1	3.8
W1279865	3.7	6.0	77.5	3.45	3.8	7.5	0.7	0.7	0.7	0.1	0.5	< 0.1	0.3	3.45	4.73	2.13	0.33	1.08	0.06	2.29	0.46	10.3	3.5
W1279866	0.9	20.3	12.4	0.48	10.2	2.9	0.9	0.3	0.1	< 0.1	< 0.1	< 0.1	0.1	0.70	0.231	0.03	< 0.02	0.35	0.03	0.11	1.40	74.1	3.8
W1279867	0.3	16.0	16.7	1.21	12.0	2.0	1.1	0.6	0.3	< 0.1	0.2	< 0.1	0.1	0.29	0.037	0.06	< 0.02	0.18	0.02	0.05	2.14	156	4.6
W1279868	0.3	12.5	14.9	1.29	7.4	2.2	1.0	0.5	0.3	< 0.1	0.1	< 0.1	< 0.1	5.55	0.040	0.05	< 0.02	0.22	< 0.02	0.04	1.45	69.1	3.9
W1279869	0.2	12.9	6.9	1.57	15.4	1.7	1.1	0.6	0.4	< 0.1	0.2	< 0.1	< 0.1	0.20	0.074	0.06	< 0.02	0.12	0.08	< 0.02	1.45	58.0	4.4
W1279870	0.3	11.1	62.8	2.45	23.4	10.8	1.9	1.1	0.6	0.1	0.3	< 0.1	< 0.1	3.74	0.602	< 0.01	< 0.02	0.14	0.05	0.06	2.81	43.1	8.6
W1279871	0.4	3.5	20.5	2.49	2.9	0.6	2.5	1.2	0.7	0.1	0.3	< 0.1	< 0.1	0.58	0.528	< 0.01	< 0.02	< 0.05	1.61	0.03	0.18	13.5	8.9

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
W1279851	19.5	9.31	2.0	0.6	0.2	0.6	< 0.1	0.2	< 0.05	0.3	0.010	16.2	0.09	7.3	0.31	0.8	0.4	30
W1279852	3.70	1.10	0.2	< 0.1	< 0.1	0.1	< 0.1	1.0	< 0.05	0.2	< 0.001	< 0.5	< 0.02	7.8	0.02	5.2	1.3	20
W1279853	2.46	1.56	0.2	< 0.1	< 0.1	0.2	< 0.1	0.1	< 0.05	1.2	< 0.001	21.6	0.07	3.4	1.00	0.3	< 0.1	60
W1279854	19.3	9.02	2.0	0.7	0.2	0.6	0.1	0.1	< 0.05	0.2	< 0.001	4.5	0.12	1.9	0.05	1.6	0.2	50
W1279855	22.2	8.99	1.3	0.3	0.2	0.5	< 0.1	0.7	< 0.05	0.3	< 0.001	53.5	0.06	4.2	1.01	1.2	0.4	40
W1279856	9.48	4.42	0.9	0.3	0.1	0.5	< 0.1	0.4	< 0.05	0.4	< 0.001	3.0	0.02	4.2	0.32	1.3	0.3	40
W1279857	19.7	8.32	1.5	0.3	0.2	0.4	< 0.1	0.2	< 0.05	2.3	< 0.001	29.0	0.03	4.2	0.12	1.5	0.2	10
W1279858	5.64	2.25	0.4	0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.05	0.2	< 0.001	17.8	0.07	3.5	0.31	0.6	0.1	20
W1279859	14.4	6.34	1.2	0.2	0.1	0.3	< 0.1	1.0	< 0.05	0.1	< 0.001	2.7	0.17	1.0	0.50	1.0	0.2	60
W1279860	38.0	18.3	3.0	0.6	0.3	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	8.2	0.03	1.5	0.44	1.9	0.2	40
W1279861	11.6	5.21	0.7	0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 0.5	0.06	2.9	0.11	0.6	0.1	20
W1279862	6.32	3.04	0.5	0.1	< 0.1	0.1	< 0.1	0.4	< 0.05	0.4	0.044	2.1	0.06	1.7	0.22	0.5	< 0.1	20
W1279863	9.72	4.39	0.8	0.1	< 0.1	0.1	< 0.1	0.4	< 0.05	0.1	0.002	< 0.5	0.03	12.4	0.18	0.6	0.1	20
W1279864	8.52	3.77	0.7	0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.05	0.1	< 0.001	4.7	< 0.02	19.6	0.29	0.6	0.1	20
W1279865	6.84	3.16	0.7	0.2	0.1	0.4	< 0.1	0.2	< 0.05	0.7	0.003	267	0.04	200	1.24	0.5	0.1	60
W1279866	8.45	3.45	0.3	< 0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.05	0.1	< 0.001	< 0.5	0.15	11.2	0.11	0.6	< 0.1	60
W1279867	11.3	4.62	0.6	0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 0.5	0.17	4.4	0.15	0.7	0.1	40
W1279868	9.02	3.95	0.6	0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.2	< 0.001	< 0.5	0.09	7.5	0.11	0.6	< 0.1	30
W1279869	10.0	4.49	0.6	0.1	< 0.1	0.1	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 0.5	0.22	3.5	0.04	0.5	< 0.1	20
W1279870	18.3	7.32	1.6	0.2	0.1	0.2	< 0.1	0.6	< 0.05	1.1	0.001	202	0.08	3.8	0.32	1.4	0.2	20
W1279871	21.6	10.5	1.6	0.4	0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	23.9	0.02	2.1	0.21	0.9	0.1	20

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		13.9			0.036	0.16	5.05	0.033	0.042	0.11	0.10	169	403		371	12.8	24.3	182	327	34.0	16.0		4.5
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 45d (Aqua Regia) Meas		18.5			0.041	0.18	5.77	0.034	0.042	0.12	0.11	197	452		416	14.8	28.1	205	370	38.7	17.5		6.1
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 45d (Aqua Regia) Meas		15.6			0.038	0.16	5.38	0.036	0.043	0.12	0.10	187	486		399	13.5	25.6	193	345	36.7	17.0		5.6
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 922 (AQUA REGIA) Meas		24.0	0.7		0.026	1.40	2.92	0.061	0.366	0.45	0.43	31	42		707	4.97	18.7	33.0	2100	241	7.20	< 0.1	6.5
OREAS 922 (AQUA REGIA) Cert		22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12
OREAS 922 (AQUA REGIA) Meas		22.8	0.6		0.026	1.31	2.72	0.063	0.377	0.46	0.38	32	47		769	5.18	18.3	34.8	2240	263	7.49	< 0.1	6.5
OREAS 922 (AQUA REGIA) Cert		22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12
OREAS 922 (AQUA REGIA) Meas		23.7	0.7		0.030	1.36	2.87	0.067	0.383	0.52	0.40	34	50		778	5.39	19.4	36.1	2320	265	7.92	< 0.1	7.1
OREAS 922 (AQUA REGIA) Cert		22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12
OREAS 923 (AQUA REGIA) Meas		25.2	0.7			1.57	2.99	0.060	0.702	0.40	0.44	33	42		859	6.02	21.2	32.4	4280	343	7.80		7.6
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 923 (AQUA REGIA) Meas		25.3	0.6			1.35	2.62	0.060	0.661	0.35	0.42	31	41		827	5.82	21.7	34.3	4380	352	8.09		7.9
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 520 (Aqua Regia) Meas		14.8	0.5		0.059	1.05	1.36	0.070	0.898	0.47	3.66	228	38	0.13	2220	15.4	192	71.5	2870	23.4	12.6	< 0.1	152
OREAS 520 (Aqua Regia) Cert		16.6	0.540		0.0520	1.14	1.56	0.0740	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152
OREAS 520 (Aqua Regia) Meas		15.5	0.6		0.060	1.08	1.46	0.074	0.979	0.52	3.90	252	40	0.14	2360	16.5	206	75.0	2970	23.8	12.8	0.2	157
OREAS 520 (Aqua Regia) Cert		16.6	0.540		0.0520	1.14	1.56	0.0740	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152
OREAS 907 (Aqua Regia) Meas		4.7	0.9		0.091	0.16	1.10	0.024	0.061	0.35	0.28	6	10	0.02	368	8.90	48.0	5.5	6790	156	16.8		38.1
OREAS 907 (Aqua Regia) Cert		4.05	0.870		0.0860	0.221	0.945	0.0240	0.0660	0.286	0.280	5.12	8.59	0.0170	330	8.18	43.7	4.74	6370	139	14.7		37.0
OREAS 907		4.7	1.0		0.085	0.19	1.04	0.025	0.062	0.35	0.27	5	8	0.02	315	8.07	43.1	4.5	6440	141	14.2		36.2

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert		4.05	0.870		0.0860	0.221	0.945	0.0240	0.0660	0.286	0.280	5.12	8.59	0.0170	330	8.18	43.7	4.74	6370	139	14.7		37.0
OREAS 907 (Aqua Regia) Meas		4.9	0.9		0.095	0.17	1.14			0.37	0.27	6	11		331	8.22	44.6	5.8	6590	152	15.3		37.9
OREAS 907 (Aqua Regia) Cert		4.05	0.870		0.0860	0.221	0.945			0.286	0.280	5.12	8.59		330	8.18	43.7	4.74	6370	139	14.7		37.0
OREAS 218 Meas	518																						
OREAS 218 Cert	531																						
Oreas 621 (Aqua Regia) Meas		7.7	0.5		0.158	0.44	1.49	0.031	4.612	0.29	1.79	12	26		499	3.53	29.8	23.2	3530	> 5000	9.00		74.7
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
Oreas 621 (Aqua Regia) Meas		7.1	0.5		0.172	0.31	1.65	0.034	4.527	0.35	1.59	11	31		518	3.48	29.1	25.7	3810	> 5000	9.60		76.9
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
Oreas 621 (Aqua Regia) Meas		6.9	0.5		0.186	0.33	1.67	0.033	4.554	0.35	1.53	11	31		503	3.41	27.3	25.1	3670	> 5000	9.29		74.5
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
Oreas 621 (Aqua Regia) Meas								0.033	4.315														
Oreas 621 (Aqua Regia) Cert								0.0335	4.50														
OREAS 263 (Aqua Regia) Meas		20.8	1.3		0.084	0.60	1.79	0.047	0.126	0.37	1.03	26	58		490	3.74	30.0	73.3	89.3	132	3.64		30.9
OREAS 263 (Aqua Regia) Cert		20.1	1.22		0.0790	0.593	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8
OREAS 263 (Aqua Regia) Meas		21.3	1.1		0.084	0.60	1.70	0.043	0.118	0.40	1.03	27	59		496	3.78	31.1	74.0	90.5	130	4.34		31.1
OREAS 263 (Aqua Regia) Cert		20.1	1.22		0.0790	0.593	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8
Oreas 623 (Aqua Regia) Meas		8.6	0.4		0.072	1.07	1.65	0.043	8.872	0.16	1.01	15	16		581	13.1	224	14.1	> 10000	> 5000	11.9		79.4
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas 623 (Aqua Regia) Meas		8.7	0.4		0.071	0.99	1.79	0.043	9.022	0.18	1.02	16	21		553	12.6	221	16.6	> 10000	> 5000	12.4		83.3
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas 623 (Aqua Regia) Meas		8.8	0.3		0.073	1.06	1.67	0.043	9.014	0.17	1.10	16	17		552	12.9	222	15.3	> 10000	> 5000	12.6		82.8
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas 623 (Aqua Regia) Meas		8.4	0.3		0.078	1.01	1.65			0.17	1.00	15	16		550	12.6	215	13.6	> 10000	> 5000	12.1		80.1
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80			0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas E1336 (Fire Assay) Meas	513																						
Oreas E1336 (Fire Assay) Cert	510																						
W1279859 Orig		15.6	0.1	3	0.066	0.85	1.17	0.046	1.799	0.69	0.15	38	34	0.07	163	2.88	30.0	36.7	18.7	11.9	4.43	< 0.1	2.2

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
W1279859 Dup		16.2	< 0.1	2	0.052	0.79	1.09	0.047	1.843	0.67	0.16	38	33	0.07	159	2.82	30.2	36.5	18.6	11.5	4.34	< 0.1	2.2
W1279860 Orig	15																						
W1279860 Dup	14																						
W1279870 Orig	166																						
W1279870 Dup	132																						
Method Blank		< 0.1	< 0.1	< 1	0.012	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	0.3	< 0.1	0.18	< 0.1	0.5
Method Blank		< 0.1	< 0.1	< 1	0.012	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	2	< 0.01	< 1	< 0.01	< 0.1	0.1	< 0.2	0.8	0.02	< 0.1	0.4
Method Blank		< 0.1	< 0.1	< 1	0.011	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	0.2	< 0.1	0.15	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	< 1	0.009	< 0.01	< 0.01			< 0.01	< 0.01	1	1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.5	< 0.02	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	< 1	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	2	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.6	< 0.02	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	< 1	0.011	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	2	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.6	< 0.02	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	1	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.3	0.11	< 0.1	0.2
Method Blank		< 0.1	< 0.1	< 1	0.002	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.1	0.12	< 0.1	0.5
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		19.0	12.5	4.02		40.6											0.07	1.72				77.2	10.0
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 45d (Aqua Regia) Meas		20.2	12.5	4.31		44.3											0.07	1.82				86.7	10.8
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 45d (Aqua Regia) Meas		21.0	11.5	4.14		38.7											0.09	1.85				81.2	10.5
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 922 (AQUA REGIA) Meas	2.9	23.4	16.0	18.2	16.8	4.0	8.0	4.7					0.5	0.68	0.813	0.18	0.25	4.20	0.64		1.86	80.4	36.4
OREAS 922 (AQUA REGIA) Cert	3.44	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5
OREAS 922 (AQUA REGIA) Meas	3.2	25.2	14.1	18.4	20.8	3.5	8.0	4.7					0.5	0.71	0.824	0.24	0.23	4.05	0.67		2.06	83.9	34.9
OREAS 922 (AQUA REGIA) Cert	3.44	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5
OREAS 922 (AQUA REGIA) Meas	3.2	27.8	15.7	20.2	22.8	3.9	8.3	5.2					0.5	0.76	0.917	0.31	0.24	4.23	0.66		2.13	90.7	36.8
OREAS 922 (AQUA REGIA) Cert	3.44	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5
OREAS 923 (AQUA REGIA) Meas	5.8	21.8	14.6	17.6	19.1	3.9	7.4	4.4						0.89	1.59	0.41	0.46	6.47	0.62		1.66	46.5	33.9
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 923 (AQUA REGIA) Meas	5.6	21.3	13.1	16.7	23.2	4.1	7.1	4.4						0.84	1.61	0.41	0.41	6.13	0.62		1.65	70.6	31.9
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 520 (Aqua Regia) Meas	0.9	27.8	33.1	12.5	32.7	10.5								60.3			0.10	3.41	1.89	0.36	0.50		71.7
OREAS 520 (Aqua Regia) Cert	1.73	31.5	36.0	14.3	28.0	11.8								62.0			0.110	3.42	1.97	0.33	0.570		83.0
OREAS 520 (Aqua Regia) Meas	1.1	29.3	34.6	13.7	34.6	11.4								64.3			0.10	3.53	1.93	0.31	0.52		75.6
OREAS 520 (Aqua Regia) Cert	1.73	31.5	36.0	14.3	28.0	11.8								62.0			0.110	3.42	1.97	0.33	0.570		83.0
OREAS 907 (Aqua Regia) Meas	9.6	20.4	12.7	7.13	41.7	2.4	8.2	4.0	1.9	0.2	0.4	< 0.1		5.46	1.39	0.49	2.40	2.58	2.28	0.25	1.34	257	38.5
OREAS 907 (Aqua Regia) Cert	9.05	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1
OREAS 907	8.7	18.8	11.4	6.85	36.9	2.2	7.6	3.8	1.7	0.2	0.5	< 0.1		5.43	1.24	0.50	2.22	2.43	2.42	0.22	1.30	234	34.8

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert	9.05	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1
OREAS 907 (Aqua Regia) Meas	9.5	20.2	11.9	7.00	33.6	2.2	7.9	4.0	1.8	0.3	0.5	< 0.1		5.57	1.27	0.53	2.31	2.56	2.45	0.23	1.38	250	36.7
OREAS 907 (Aqua Regia) Cert	9.05	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1
OREAS 218 Meas																							
OREAS 218 Cert																							
Oreas 621 (Aqua Regia) Meas	4.7		19.1	6.86	59.0	2.6								12.6	60.7	249	1.55	2.41	74.4		0.86		19.0
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
Oreas 621 (Aqua Regia) Meas	4.7		18.3	6.95	63.2	2.4								13.2	62.4	284	1.66	2.63	115		0.93		19.2
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
Oreas 621 (Aqua Regia) Meas	4.7		17.4	6.92	64.0	2.4								13.1	62.2	288	1.63	2.65	116		0.98		18.7
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas			16.4	11.7		3.8		4.1	2.7	0.5	1.2			0.58	0.281	0.29	0.03		7.75	0.20		192	
OREAS 263 (Aqua Regia) Cert			16.9	12.0		3.52		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175	
OREAS 263 (Aqua Regia) Meas			17.6	11.8		3.8		4.1	2.5	0.4	1.2			0.62	0.285	0.24	0.03		7.57	0.19		197	
OREAS 263 (Aqua Regia) Cert			16.9	12.0		3.52		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175	
Oreas 623 (Aqua Regia) Meas	19.2		14.7	7.67	53.8	4.7								8.12	19.9	50.1	1.96	3.92	18.6	0.61	0.71		17.8
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas 623 (Aqua Regia) Meas	21.7		13.3	7.77	61.2	4.5								9.01	20.2	53.7	2.00	4.08	19.5	0.63	0.76		16.9
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas 623 (Aqua Regia) Meas	20.6		14.2	7.54	53.0	4.9								8.41	19.3	55.5	1.93	3.95	20.1	0.59	0.74		17.8
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas 623 (Aqua Regia) Meas	19.8		13.8	7.32	48.8	4.4								8.72	18.5	53.4	1.91	3.80	16.4	0.56	0.66		17.1
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
W1279859 Orig	0.8	18.2	8.3	2.95	40.0	4.9	1.6	0.9	0.7	0.1	0.3	< 0.1	< 0.1	2.39	0.096	< 0.01	< 0.02	0.22	0.15	0.34	1.51	14.6	6.3

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
W1279859 Dup	0.8	18.5	8.1	2.93	41.3	4.6	1.5	0.9	0.7	0.1	0.4	< 0.1	< 0.1	2.50	0.098	< 0.01	< 0.02	0.23	0.03	0.31	1.50	14.9	6.2
W1279860 Orig																							
W1279860 Dup																							
W1279870 Orig																							
W1279870 Dup																							
Method Blank	0.7	< 0.1	< 0.5	< 0.01	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	8.4	< 0.5
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.002	0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	9.3	< 0.5
Method Blank	0.5	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.08	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	6.9	< 0.5
Method Blank	0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.04	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	6.9	< 0.5
Method Blank	0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.05	< 0.002	0.02	< 0.02	< 0.05	< 0.02	0.02	< 0.02	7.2	< 0.5
Method Blank	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.04	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	7.3	< 0.5
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	< 0.01	< 0.02	< 0.05	0.03	< 0.02	< 0.02	6.9	< 0.5
Method Blank	0.3	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.03	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	1.2	< 0.5
Method Blank																							
Method Blank																							

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	23.9											17.4		17.8	0.23	10.4	1.4	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 45d (Aqua Regia) Meas	24.8											23.4		17.4	0.28	10.6	1.5	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 45d (Aqua Regia) Meas	24.8											17.7		16.7	0.26	10.4	1.5	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 922 (AQUA REGIA) Meas	74.7	30.5	5.9		0.7			0.3		1.4			0.18	66.4	10.6	16.1	2.1	
OREAS 922 (AQUA REGIA) Cert	63	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98	
OREAS 922 (AQUA REGIA) Meas	70.4	29.0	5.1		0.7			0.5		1.5			0.18	60.4	9.20	15.3	2.3	
OREAS 922 (AQUA REGIA) Cert	63	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98	
OREAS 922 (AQUA REGIA) Meas	74.6	31.3	5.4		0.7			0.5		1.3			0.20	62.3	10.7	16.2	2.4	
OREAS 922 (AQUA REGIA) Cert	63	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98	
OREAS 923 (AQUA REGIA) Meas	69.3	28.3	5.4		0.6			0.3		1.8			0.17	86.5	20.7	15.4	2.1	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas	60.8	25.9	5.4		0.6			0.5		1.9			0.16	79.6	19.8	14.8	2.1	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 520 (Aqua Regia) Meas	72.6				0.4	1.3	0.2	0.8		27.7		155	0.08	5.2	2.87	7.1	14.1	
OREAS 520 (Aqua Regia) Cert	79.0				0.500	1.36	0.200	0.810		29.6		169	0.0900	5.22	2.90	8.03	14.9	
OREAS 520 (Aqua Regia) Meas	78.0				0.5	1.3	0.2	0.9		28.0		171	0.09	5.4	3.03	7.5	14.9	
OREAS 520 (Aqua Regia) Cert	79.0				0.500	1.36	0.200	0.810		29.6		169	0.0900	5.22	2.90	8.03	14.9	
OREAS 907 (Aqua Regia) Meas	74.9	30.5	5.3	1.0	0.4	0.3	< 0.1	1.0		0.8		82.9	0.15	35.9	23.6	8.8	2.5	
OREAS 907 (Aqua Regia) Cert	73.0	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15	
OREAS 907	70.6	28.6	4.2	0.9	0.4	0.3	< 0.1	0.8		1.1		83.8	0.14	33.8	21.9	8.2	2.3	

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert	73.0	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15	
OREAS 907 (Aqua Regia) Meas	74.3	29.5	5.0	1.1	0.4	0.3	< 0.1	0.7		0.9		101	0.15	35.4	23.3	8.8	2.4	
OREAS 907 (Aqua Regia) Cert	73.0	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15	
OREAS 218 Meas																		
OREAS 218 Cert																		
Oreas 621 (Aqua Regia) Meas	38.1				0.3	0.6	< 0.1	1.2		0.6		1180	0.79	> 5000	4.04	5.3	1.5	3160
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas	39.7				0.3	0.6	< 0.1	1.5		0.8		1160	0.80	> 5000	3.86	5.4	1.7	3580
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas	39.2				0.3	0.6	< 0.1	1.6		1.0		1220	0.82	> 5000	3.87	5.4	1.7	3600
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas																		
Oreas 621 (Aqua Regia) Cert																		
OREAS 263 (Aqua Regia) Meas			5.2	0.9	0.5	1.0							0.59	35.5	0.56	11.4	1.4	200
OREAS 263 (Aqua Regia) Cert			4.41	0.850	0.500	0.990							0.530	34.0	0.570	10.6	1.28	170
OREAS 263 (Aqua Regia) Meas			4.8	0.8	0.5	0.9							0.62	36.3	0.58	11.6	1.4	200
OREAS 263 (Aqua Regia) Cert			4.41	0.850	0.500	0.990							0.530	34.0	0.570	10.6	1.28	170
Oreas 623 (Aqua Regia) Meas	34.8				0.3	0.8	0.1	1.3		2.2		884	0.27	2600	17.4	4.6	1.5	750
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas 623 (Aqua Regia) Meas	36.8				0.3	0.8	0.1	1.7		2.6		861	0.28	2560	17.3	4.7	1.4	620
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas 623 (Aqua Regia) Meas	36.7				0.3	0.8	0.1	1.3		2.3		795	0.28	2570	17.7	4.6	1.5	740
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas 623 (Aqua Regia) Meas	34.9				0.3	0.8	0.1	1.2		2.4		786	0.26	2530	17.7	4.5	1.4	730
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas E1336 (Fire Assay) Meas																		
Oreas E1336 (Fire Assay) Cert																		
W1279859 Orig	14.5	6.40	1.2	0.2	0.1	0.3	< 0.1	1.0	< 0.05	0.2	0.001	2.2	0.17	1.0	0.50	1.0	0.2	60

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
W1279859 Dup	14.3	6.27	1.3	0.2	0.1	0.3	< 0.1	1.1	< 0.05	0.1	< 0.001	3.1	0.16	1.0	0.49	1.0	0.2	50
W1279860 Orig																		
W1279860 Dup																		
W1279870 Orig																		
W1279870 Dup																		
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	1.1	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	50
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.4	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	80
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	60
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	50
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.4	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	30
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.3	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.0	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70
Method Blank																		
Method Blank																		

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-08398**
Report Date: **31-Aug-20**
Date Submitted: **28-Jul-20**
Your Reference: **NL**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

26 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1EPI	QOP INAAGEO/QOP AquaGeo (INAA/Aqua Regia ICPOES)	2020-08-18 21:32:58

REPORT **A20-08398**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Fe	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass
Unit Symbol	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.02	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4	
Method Code	INAA	INAA	MULT INAA / AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA
624077	2.01	< 5	< 0.2	< 0.5	6	194	< 2	12	< 2	17	0.016	< 2	< 50	< 1	0.2	< 4	28.8
624078	1.76	< 5	< 0.2	< 0.5	8	92	< 2	4	< 2	6	0.235	< 2	< 50	< 1	< 0.2	< 4	31.1
624079	5.37	< 5	0.3	< 0.5	56	467	< 2	26	< 2	25	0.158	< 2	450	< 1	< 0.2	6	30.0
624080	1.53	< 5	< 0.2	< 0.5	10	55	7	38	< 2	9	0.540	< 2	< 50	< 1	0.2	< 4	30.0
624081	2.21	< 5	< 0.2	< 0.5	< 1	46	< 2	11	< 2	5	1.602	< 2	< 50	< 1	< 0.2	< 4	31.4
624082	1.23	< 5	< 0.2	< 0.5	2	59	< 2	13	< 2	5	0.471	< 2	< 50	< 1	< 0.2	< 4	29.5
624083	3.66	< 5	< 0.2	< 0.5	95	107	< 2	12	5	12	2.425	< 2	< 50	< 1	0.6	< 4	27.7
624084	2.13	16	0.2	< 0.5	166	215	< 2	9	< 2	19	0.812	65	< 50	< 1	< 0.2	< 4	30.5
624085	9.80	< 5	< 0.2	< 0.5	45	1900	< 2	6	< 2	76	0.718	< 2	< 50	< 1	< 0.2	< 4	33.7
624086	0.99	< 5	< 0.2	< 0.5	45	88	< 2	4	2	8	0.009	< 2	< 50	< 1	< 0.2	< 4	30.9
624087	2.05	11	0.5	< 0.5	113	141	< 2	17	< 2	16	0.042	< 2	< 50	< 1	< 0.2	< 4	30.2
624088	6.26	< 5	< 0.2	< 0.5	30	397	< 2	16	< 2	40	0.438	3	290	< 1	< 0.2	< 4	31.5
624089	7.66	< 5	0.3	< 0.5	118	370	< 2	21	< 2	29	0.596	< 2	< 50	< 1	< 0.2	< 4	27.5
624090	7.14	< 5	< 0.2	< 0.5	48	379	< 2	21	< 2	21	0.134	< 2	< 50	< 1	< 0.2	< 4	33.1
624091	5.68	21	0.4	< 0.5	26	376	< 2	40	< 2	28	2.349	34	570	< 1	0.6	< 4	30.7
624092	3.78	26	0.3	< 0.5	26	269	6	13	< 2	14	0.727	30	380	< 1	0.8	15	32.9
624093	6.57	< 5	< 0.2	< 0.5	124	474	45	16	< 2	26	0.792	< 2	< 50	< 1	< 0.2	< 4	33.2
624094	7.81	< 5	0.4	< 0.5	320	466	4	26	< 2	26	1.596	< 2	< 50	< 1	< 0.2	< 4	31.2
624095	6.09	6	< 0.2	< 0.5	92	374	< 2	24	< 2	18	0.035	< 2	< 50	< 1	< 0.2	< 4	31.5
624096	1.57	< 5	< 0.2	< 0.5	15	331	< 2	9	3	27	0.819	3	420	< 1	< 0.2	< 4	31.2
624097	3.80	12	1.4	< 0.5	111	242	< 2	17	7	38	1.267	3	760	< 1	< 0.2	< 4	27.1
624098	3.08	< 5	< 0.2	< 0.5	6	236	< 2	3	< 2	12	0.014	< 2	< 50	< 1	< 0.2	< 4	29.1
624099	6.35	< 5	< 0.2	< 0.5	23	381	< 2	4	< 2	10	0.012	4	< 50	< 1	< 0.2	< 4	32.5
624190	7.09	34	1.2	10.3	310	498	2	80	25	4300	2.465	1240	330	< 1	2.5	< 4	28.9
624191	15.0	78	0.7	0.9	130	310	< 2	40	2	391	1.479	352	< 50	< 1	0.3	< 4	31.4
624189	7.17	< 5	< 0.2	< 0.5	96	332	< 2	20	< 2	33	0.119	< 2	< 50	< 1	< 0.2	46	38.7

Analyte Symbol	Fe	Au	Ag	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	As	Ba	Hg	Sb	W	Mass
Unit Symbol	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.02	5	5	0.2	0.5	1	2	2	1	2	1	0.001	2	50	1	0.2	4	
Method Code	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 45d (Aqua Regia) Meas						353	398		196	14	34	0.041						
OREAS 45d (Aqua Regia) Cert						345.0	400.000		176.0	17.00	30.6	0.045						
OREAS 923 (AQUA REGIA) Meas				1.5	< 0.5	4330	856	< 2	29	82	326	0.664						
OREAS 923 (AQUA REGIA) Cert				1.62	0.40	4248	850	0.84	32.7	81	335	0.684						
Oreas 621 (Aqua Regia) Meas				62.0	266	3510	484	12	27	> 5000	> 10000	4.079						
Oreas 621 (Aqua Regia) Cert				68.0	278	3660	520	13.3	25.8	13600	51700	4.50						
DMMAS 122b Meas	3.36	690											1500	1360		7.1		
DMMAS 122b Cert	3.42	715											1540	1260		6.41		
624082 Orig				< 0.2	< 0.5	2	59	< 2	15	< 2	5	0.477						
624082 Dup				< 0.2	< 0.5	2	58	< 2	12	< 2	5	0.465						
624190 Orig				1.1	10.3	310	497	3	81	25	4290	2.457						
624190 Dup				1.3	10.2	311	500	2	79	25	4310	2.474						
Method Blank	< 0.02	< 5	< 5										< 2	< 50	< 1	< 0.2	< 4	30.0
Method Blank				< 0.2	< 0.5	< 1	< 2	< 2	< 1	< 2	< 1	< 0.001						

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-09115**
Report Date: **17-Sep-20**
Date Submitted: **10-Aug-20**
Your Reference: **NL**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

44 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-4	QOP Total/QOP Ultratrace- 4acid Digest (Total Digestion ICPOES/ICPMS)	2020-09-09 11:55:45

REPORT **A20-09115**

Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

44 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)	2020-08-19 09:56:09

REPORT **A20-09115**

Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	20	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
1127201	6	< 20	11.4	1.18	1.34	8.76	0.93	5.26	0.2	226	204	2110	4.92	1.6	122	1.4	0.6	0.5	50	0.24	2.62	41.9	0.77
1127202	6	< 20	8.9	0.89	0.84	5.88	1.41	2.29	0.1	104	104	1100	6.00	2.3	23.9	1.3	0.4	0.4	40	0.29	1.50	10.2	0.69
1127203	< 5	< 20	14.5	1.60	2.37	7.00	0.22	5.21	0.2	52	9	2050	13.0	1.1	4.0	6.4	1.1	2.2	< 10	0.06	0.40	36.2	2.22
1127204	9	< 20	18.3	> 3.00	0.48	8.20	0.83	1.65	< 0.1	31	29	303	2.76	2.3	7.5	0.2	0.6	< 0.1	30	0.53	2.00	2.2	0.43
1127205	< 5	< 20	19.2	2.19	0.44	8.36	1.34	1.92	< 0.1	29	16	291	1.30	2.7	18.7	0.3	0.6	< 0.1	40	0.42	2.23	9.3	0.42
1127206	< 5	< 20	2.7	0.34	0.40	1.94	0.21	2.29	< 0.1	80	46	461	1.96	0.2	7.4	0.4	0.2	0.1	< 10	< 0.05	0.42	6.1	0.23
1127207	< 5	< 20	43.0	0.36	3.01	> 10.0	2.10	5.25	< 0.1	195	52	1000	7.77	3.2	68.8	1.5	0.7	0.4	40	0.22	44.0	36.3	0.85
1127208	< 5	< 20	22.2	2.88	1.37	8.07	2.30	2.74	< 0.1	75	31	534	3.66	3.4	13.1	1.5	1.8	0.6	40	0.20	3.60	11.5	1.45
1127209	7	< 20	18.3	2.71	1.00	6.77	1.19	1.96	< 0.1	70	29	352	3.15	1.9	11.3	0.6	0.6	0.2	40	0.28	2.22	10.9	0.40
1127210	23	< 20	17.3	2.60	1.02	6.23	1.17	1.82	< 0.1	63	34	337	3.08	1.8	10.0	0.6	0.5	0.2	30	0.76	1.59	9.4	0.40
1127211	7	< 20	12.4	2.49	0.58	8.20	1.29	4.04	< 0.1	89	29	380	4.43	1.3	11.3	0.9	0.7	0.3	20	0.45	0.84	9.6	0.66
1127212	< 5	< 20	9.5	1.71	3.06	5.32	0.76	4.54	0.1	137	127	870	5.44	1.1	88.0	0.9	0.8	0.4	30	< 0.05	0.83	29.2	0.98
1127213	< 5	< 20	9.4	2.04	0.45	5.16	1.22	1.21	< 0.1	27	26	243	1.69	0.2	5.4	0.5	1.0	0.2	30	< 0.05	0.91	4.1	0.72
1127214	< 5	< 20	17.3	2.28	0.51	7.26	2.09	1.94	< 0.1	35	24	252	1.61	2.5	13.5	0.4	0.6	0.1	80	0.07	1.75	4.2	0.51
1127215	< 5	< 20	7.2	> 3.00	0.31	7.89	0.62	1.22	< 0.1	19	6	209	1.24	2.5	3.1	0.4	1.1	0.1	50	0.22	0.85	3.2	0.46
1127216	5	< 20	34.0	2.22	1.24	7.93	1.85	2.99	< 0.1	84	30	434	3.30	2.3	15.2	1.0	0.7	0.3	30	0.12	1.68	15.4	0.74
1127217	< 5	< 20	2.8	2.22	0.08	4.56	1.55	0.41	< 0.1	6	17	150	0.77	1.0	1.2	0.2	0.8	< 0.1	40	< 0.05	1.04	1.0	0.23
1127218	< 5	< 20	1.6	1.03	0.04	2.16	0.83	0.25	< 0.1	4	48	188	0.79	0.6	1.5	0.1	0.3	< 0.1	30	0.13	0.88	1.4	0.14
1127219	7	< 20	13.8	2.53	0.52	7.10	1.24	1.76	0.3	30	25	248	1.91	2.2	10.3	0.2	0.8	< 0.1	30	0.11	1.78	3.8	0.32
1127220	< 5	< 20	25.2	2.79	1.14	8.14	1.18	2.97	< 0.1	81	31	533	3.67	2.0	13.5	1.0	0.7	0.3	30	0.17	2.16	13.2	0.75
1127221	16	< 20	16.3	0.60	0.87	7.60	1.35	5.06	< 0.1	77	27	571	3.97	1.5	14.1	0.9	0.6	0.3	20	0.17	2.01	14.3	0.80
1127222	7	< 20	27.2	2.65	0.93	8.78	4.95	1.40	< 0.1	71	30	420	3.13	2.8	17.9	0.6	0.7	0.2	40	0.16	1.79	13.5	0.48
1127223	38	< 20	32.2	2.96	0.91	7.34	1.37	2.22	< 0.1	65	33	316	4.30	1.9	17.2	0.7	0.9	0.2	50	0.73	3.47	25.0	0.73
1127224	< 5	< 20	6.2	1.62	1.33	3.81	0.25	2.32	< 0.1	47	24	925	6.06	1.0	1.2	3.3	0.5	1.1	30	0.22	1.25	5.0	0.88
1127225	125	< 20	24.4	1.31	0.92	7.18	1.23	1.38	< 0.1	38	12	142	2.08	1.8	7.1	0.3	0.5	< 0.1	40	0.46	2.44	7.4	0.28
1127226	15	< 20	8.9	1.85	0.20	4.43	0.71	0.50	< 0.1	16	24	84	7.85	1.0	20.8	0.2	0.4	< 0.1	20	0.40	0.94	59.6	0.60
1127227	6	< 20	36.7	0.84	1.48	7.11	2.67	0.71	< 0.1	85	39	311	2.96	3.1	37.0	0.6	0.5	0.2	20	0.07	3.00	32.0	0.28
1127228	17	< 20	50.4	0.46	1.89	8.34	3.67	0.50	< 0.1	106	54	316	2.68	3.7	53.5	0.8	0.6	0.2	< 10	0.14	1.98	27.1	0.23
1127229	6	< 20	16.0	0.40	1.38	4.85	0.40	3.25	< 0.1	106	61	821	6.54	1.4	50.6	1.3	0.4	0.5	40	0.36	0.61	37.3	1.22
1127230	< 5	< 20	8.2	0.84	1.32	5.06	0.24	6.18	< 0.1	97	46	1110	4.82	1.5	54.8	1.2	0.2	0.4	50	0.08	0.32	19.6	0.56
1127231	60	< 20	14.0	0.93	1.48	4.35	1.10	1.83	0.4	94	75	712	10.5	1.0	19.5	1.0	0.7	0.3	90	1.75	2.60	11.7	0.68
1127232	33	< 20	3.2	0.08	1.51	0.88	0.03	1.69	1.2	28	25	1070	14.9	0.3	2.1	0.9	1.0	0.3	40	0.28	0.10	1.0	0.93
1127233	74	< 20	7.2	0.16	2.56	1.52	0.12	5.57	2.5	46	229	1230	12.6	0.9	38.8	1.0	0.8	0.3	30	1.05	1.08	11.9	0.88
1127234	95	< 20	18.9	0.36	1.15	4.97	1.40	3.62	2.9	101	43	735	8.07	0.6	14.4	1.2	0.9	0.4	70	1.24	1.75	9.1	0.98
1127235	40	< 20	19.3	0.73	0.79	5.11	1.64	1.81	3.1	108	69	621	6.54	2.0	68.2	1.1	1.0	0.3	< 10	1.39	2.07	38.5	0.93
1127236	95	< 20	12.0	0.45	1.15	3.63	0.77	2.82	5.2	64	43	1010	7.62	1.3	23.6	0.9	0.8	0.3	< 10	1.11	0.98	22.5	0.90
1127237	162	< 20	4.9	0.07	1.23	0.83	0.03	1.27	1.5	23	69	641	17.9	0.3	75.5	0.8	1.0	0.3	40	1.67	0.25	36.1	1.26
1127238	31	< 20	7.1	0.52	1.25	3.16	0.18	1.35	1.1	48	58	2310	13.7	1.5	8.6	0.9	0.4	0.3	40	1.27	0.74	9.2	0.63
1127239	135	40	27.4	0.59	1.05	5.71	1.19	2.91	5.7	91	69	987	9.71	2.4	44.0	1.1	1.6	0.4	70	2.64	2.99	31.7	0.98
1127240	12	< 20	44.7	0.91	1.81	8.66	2.02	5.94	0.8	117	79	1200	7.12	1.6	54.8	1.8	1.0	0.6	30	0.40	2.59	31.4	1.32
1127241	< 5	< 20	30.7	1.67	1.05	5.70	1.41	1.65	< 0.1	83	32	377	4.52	1.0	13.1	1.0	0.9	0.3	30	0.16	2.20	12.0	0.69
1127242	< 5	< 20	2.9	0.17	0.32	0.78	0.15	0.64	0.1	17	38	204	1.59	0.3	8.4	0.4	0.1	0.1	20	< 0.05	0.10	3.6	0.25
1127243	9	< 20	42.8	2.67	1.24	8.52	1.89	2.64	0.1	88	26	609	4.54	2.2	14.6	1.0	0.7	0.3	30	0.19	1.52	16.7	0.85
1127244	19	< 20	33.5	2.29	0.80	8.70	4.07	1.07	0.2	83	21	402	3.61	2.5	14.2	0.9	0.9	0.3	30	0.51	2.10	17.4	0.55

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
1127201	0.12	1.5	171	18.8	9.0	32.0	13.5	65	2.3	1.49	< 0.1	< 1	0.7	0.2	198	6.8	16.1	2.0	9.4	2.1	2.3	0.4	2.5
1127202	0.14	1.3	74.6	13.8	4.4	32.1	11.6	83	2.7	1.66	< 0.1	1	0.5	0.2	184	8.9	18.0	2.1	8.9	1.7	2.1	0.3	2.2
1127203	0.04	0.3	196	24.8	< 0.1	2.8	61.1	43	< 0.1	0.07	0.2	< 1	< 0.1	< 0.1	93	10.4	28.2	4.7	21.1	6.8	9.1	1.6	10.6
1127204	0.05	0.5	29.9	17.8	2.3	24.1	2.4	92	1.4	0.98	< 0.1	< 1	0.1	< 0.1	252	9.0	18.1	1.9	7.7	1.3	0.9	0.1	0.5
1127205	0.05	0.5	28.9	18.1	1.5	28.9	2.3	115	1.6	0.76	< 0.1	< 1	< 0.1	< 0.1	470	4.7	9.3	1.0	3.9	0.6	0.6	< 0.1	0.5
1127206	< 0.02	0.4	25.1	7.5	1.1	12.4	4.2	7	0.2	1.76	< 0.1	< 1	< 0.1	< 0.1	84	1.0	2.4	0.3	1.8	0.5	0.6	0.1	0.7
1127207	3.82	0.6	116	22.3	0.9	57.9	12.3	130	2.2	0.84	< 0.1	< 1	< 0.1	< 0.1	520	11.9	26.7	3.1	13.2	2.2	2.3	0.3	2.2
1127208	0.23	0.6	66.0	17.9	0.9	70.8	15.4	153	2.7	1.26	< 0.1	< 1	< 0.1	0.1	1140	20.0	47.6	5.9	26.2	4.6	4.1	0.6	3.0
1127209	0.13	0.9	28.8	14.1	1.0	42.3	6.0	78	2.5	452	< 0.1	< 1	< 0.1	0.2	319	5.1	12.5	1.4	5.9	0.9	1.0	0.2	1.0
1127210	0.17	0.9	27.9	13.3	1.1	41.6	5.8	70	2.5	146	< 0.1	< 1	< 0.1	0.2	402	5.0	11.4	1.4	5.6	0.9	1.0	0.2	1.0
1127211	0.13	1.8	20.1	17.9	1.9	35.5	8.4	54	3.1	18.6	< 0.1	< 1	0.4	0.1	281	10.3	22.5	2.6	11.2	2.1	1.7	0.3	1.6
1127212	0.31	0.6	84.0	13.1	4.4	18.5	10.1	45	0.9	27.4	< 0.1	< 1	0.3	< 0.1	263	14.1	33.2	4.0	17.5	3.1	2.5	0.3	1.9
1127213	0.07	0.5	35.9	12.2	2.2	30.3	4.9	9	1.2	1.82	< 0.1	< 1	< 0.1	< 0.1	586	20.9	45.8	5.0	20.1	2.9	2.0	0.2	1.1
1127214	0.04	0.5	30.1	19.4	1.5	51.3	4.0	100	1.2	4.58	< 0.1	< 1	0.1	< 0.1	861	13.5	28.5	3.0	12.4	1.8	1.3	0.2	0.8
1127215	0.39	0.5	24.9	17.1	1.5	20.4	3.2	97	3.9	1.07	< 0.1	< 1	0.1	0.2	389	12.6	26.5	2.8	10.8	1.8	1.1	0.1	0.6
1127216	0.09	0.8	21.6	17.2	1.0	57.0	8.7	93	3.0	18.0	< 0.1	< 1	0.1	< 0.1	607	11.1	25.8	2.9	11.7	2.0	2.0	0.3	1.7
1127217	0.02	0.5	15.0	10.9	1.1	42.6	1.8	47	1.2	1.84	< 0.1	< 1	0.1	< 0.1	782	7.1	14.9	1.6	5.9	0.9	0.6	< 0.1	0.3
1127218	60.6	0.5	8.9	5.0	1.3	20.4	1.2	23	1.7	3.91	< 0.1	< 1	0.2	0.4	371	2.9	6.8	0.7	2.6	0.4	0.3	< 0.1	0.2
1127219	0.19	0.7	118	15.8	2.1	33.7	2.2	90	1.7	2.10	< 0.1	< 1	0.1	0.1	371	6.9	13.6	1.4	5.5	0.9	0.7	< 0.1	0.4
1127220	0.26	1.5	25.1	16.9	1.2	41.1	9.3	79	2.9	3.85	< 0.1	< 1	0.2	0.1	294	13.1	29.9	3.4	14.3	2.1	2.1	0.3	1.8
1127221	0.67	1.2	39.8	17.0	1.3	55.8	9.4	61	3.0	2.06	< 0.1	< 1	0.7	0.2	245	13.4	29.8	3.4	14.2	2.3	2.1	0.3	1.8
1127222	0.29	0.6	51.7	16.2	1.8	74.1	5.7	113	2.9	7.62	< 0.1	< 1	< 0.1	0.2	506	11.2	26.8	2.9	12.9	2.2	1.6	0.2	1.1
1127223	0.33	1.2	68.7	17.4	3.2	49.6	6.2	75	1.8	1.85	< 0.1	< 1	0.2	0.1	588	10.8	24.6	2.8	12.9	2.0	1.7	0.2	1.2
1127224	0.21	1.2	53.5	11.1	1.1	10.8	30.0	34	< 0.1	0.08	< 0.1	< 1	< 0.1	< 0.1	132	3.7	9.8	1.3	7.0	2.6	3.8	0.7	5.1
1127225	0.14	0.7	17.1	16.6	2.3	32.9	2.6	63	1.3	22.8	< 0.1	< 1	0.4	0.2	334	6.5	13.5	1.4	5.8	0.8	0.8	< 0.1	0.5
1127226	0.65	21.6	4.0	9.1	4.9	20.1	2.4	35	0.4	243	< 0.1	< 1	0.1	0.5	45	10.2	18.8	2.0	9.6	1.5	1.2	0.1	0.5
1127227	0.53	1.3	61.0	16.4	3.1	54.6	5.3	129	1.8	5.18	< 0.1	1	0.1	0.6	116	3.3	8.1	0.9	4.1	0.9	0.7	0.1	0.9
1127228	0.92	1.3	43.6	22.7	1.9	67.1	6.5	154	2.5	3.85	< 0.1	1	< 0.1	1.4	1160	3.8	11.3	1.0	4.7	0.8	0.9	0.2	1.1
1127229	0.39	1.4	25.8	12.4	1.0	11.5	13.2	69	2.7	5.45	< 0.1	< 1	< 0.1	0.2	107	17.3	37.8	4.6	19.5	3.2	3.4	0.4	2.5
1127230	0.05	0.4	38.9	11.3	1.3	6.7	11.2	62	2.7	2.13	< 0.1	< 1	< 0.1	< 0.1	71	6.4	15.3	1.9	8.0	1.7	1.8	0.3	1.8
1127231	0.64	4.1	386	14.6	55.0	39.6	8.7	40	2.3	4.78	0.4	7	0.3	0.8	171	9.6	18.3	1.8	6.5	1.2	1.4	0.2	1.4
1127232	0.26	2.5	386	5.2	146	0.5	7.5	13	0.8	2.26	0.5	6	0.3	0.4	6	1.6	4.1	0.5	2.6	1.1	1.2	0.2	1.3
1127233	0.50	2.8	844	6.9	557	5.7	8.9	34	1.6	3.70	0.4	5	0.7	0.5	25	5.1	10.9	1.3	5.8	1.0	1.6	0.2	1.5
1127234	0.78	2.3	1110	14.1	122	46.0	10.5	21	2.8	2.38	0.4	6	0.5	0.7	398	9.0	20.6	2.4	10.6	2.0	2.0	0.3	1.9
1127235	0.49	4.2	1360	15.7	28.9	65.4	9.4	78	3.1	49.4	0.3	6	0.4	1.4	137	10.2	23.4	2.8	11.8	2.4	2.0	0.3	1.8
1127236	1.33	4.6	1540	12.2	47.5	29.1	8.9	52	2.4	3.41	0.8	5	0.7	1.3	147	8.7	18.7	2.1	9.2	1.5	1.7	0.3	1.4
1127237	0.59	3.0	1300	3.3	31.8	1.0	7.2	13	0.7	1.83	0.4	7	0.2	0.6	2	4.8	12.4	1.6	7.2	1.6	1.6	0.2	1.3
1127238	1.16	4.5	1190	13.6	12.1	6.7	7.9	66	2.4	2.90	0.6	5	0.3	2.4	31	4.8	10.8	1.2	5.0	1.0	1.2	0.2	1.3
1127239	0.97	8.3	2140	19.2	5.9	46.1	10.7	97	3.7	3.77	0.6	7	0.2	2.4	114	10.7	24.1	2.9	12.5	1.9	2.1	0.3	1.8
1127240	0.16	1.0	380	20.1	5.5	66.7	16.9	57	0.5	0.67	0.2	3	< 0.1	< 0.1	417	15.1	36.8	4.7	21.0	3.6	3.5	0.5	3.0
1127241	0.18	1.3	41.1	14.5	2.0	42.3	8.8	49	2.9	2.17	< 0.1	4	< 0.1	0.3	194	7.4	16.7	1.8	7.3	1.1	1.2	0.2	1.3
1127242	0.07	0.7	24.2	3.8	2.1	4.3	3.6	12	0.5	9.66	< 0.1	2	0.1	< 0.1	35	1.2	3.0	0.4	1.6	0.3	0.4	< 0.1	0.5
1127243	0.40	0.4	44.3	19.4	1.7	68.8	8.6	84	3.0	1.52	< 0.1	< 1	< 0.1	0.1	404	11.8	26.7	3.1	12.5	1.8	1.7	0.2	1.5
1127244	0.29	0.7	70.5	17.6	3.5	120	8.5	102	2.4	1.16	< 0.1	< 1	0.2	0.5	409	10.6	25.4	2.8	12.4	2.2	1.8	0.2	1.5

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
1127201	74.5	0.1	0.2	1.5	0.2	0.2	282	0.7	0.003	0.61	8.7	0.9	0.2
1127202	55.2	0.1	0.2	1.4	0.2	0.2	166	0.8	0.002	0.50	10.6	1.5	0.4
1127203	60.4	< 0.1	1.0	6.2	0.9	< 0.1	254	< 0.1	0.002	< 0.05	2.8	1.2	0.3
1127204	12.0	< 0.1	< 0.1	0.3	< 0.1	0.1	205	0.4	0.002	0.20	4.6	1.4	0.3
1127205	63.8	0.1	< 0.1	0.3	< 0.1	0.1	185	0.1	0.002	0.15	2.5	0.8	0.3
1127206	15.6	0.4	< 0.1	0.5	< 0.1	< 0.1	71.3	0.2	0.001	< 0.05	0.8	0.1	< 0.1
1127207	99.0	0.9	0.2	1.6	0.2	< 0.1	524	0.1	< 0.001	0.22	6.3	2.3	0.5
1127208	57.6	0.2	0.2	1.5	0.2	0.1	1190	0.8	0.002	0.48	14.5	6.1	1.5
1127209	74.0	< 0.1	< 0.1	0.7	0.1	0.2	651	0.7	0.105	0.24	5.9	1.4	0.4
1127210	151	< 0.1	< 0.1	0.6	< 0.1	0.1	393	1.0	0.036	0.21	5.5	1.2	0.3
1127211	130	< 0.1	0.1	0.9	0.1	0.2	393	1.6	0.004	0.20	3.6	1.8	0.4
1127212	14.0	0.4	0.1	0.9	0.1	< 0.1	341	0.5	0.005	0.11	3.5	2.1	0.5
1127213	23.2	< 0.1	< 0.1	0.4	< 0.1	< 0.1	522	0.1	0.001	0.16	8.3	3.8	0.8
1127214	29.0	0.2	< 0.1	0.4	< 0.1	< 0.1	430	0.3	0.002	0.31	7.6	2.4	0.5
1127215	20.6	< 0.1	< 0.1	0.3	< 0.1	0.4	514	1.9	0.001	0.10	11.8	2.8	1.3
1127216	124	0.2	0.1	0.9	0.1	0.2	436	1.6	0.003	0.34	2.2	1.8	0.5
1127217	15.2	0.1	< 0.1	0.2	< 0.1	< 0.1	331	0.2	0.001	0.22	13.2	1.5	0.5
1127218	3.8	0.2	< 0.1	0.1	< 0.1	0.1	164	0.3	0.001	0.13	9.3	0.5	0.4
1127219	31.2	0.2	< 0.1	0.2	< 0.1	0.1	348	2.0	0.002	0.22	5.3	0.9	0.3
1127220	60.2	0.1	0.1	0.9	0.1	0.2	396	0.9	0.002	0.27	8.5	1.7	0.6
1127221	81.0	0.1	0.1	0.9	0.1	0.2	328	1.5	0.002	0.35	3.6	1.7	0.5
1127222	16.2	0.2	< 0.1	0.6	0.1	0.2	266	5.2	0.002	0.46	8.8	1.8	0.4
1127223	284	0.1	< 0.1	0.6	< 0.1	0.1	817	0.3	0.002	0.32	8.6	1.5	0.4
1127224	30.5	0.1	0.5	3.3	0.5	< 0.1	111	< 0.1	0.001	< 0.05	1.6	0.5	0.1
1127225	114	0.1	< 0.1	0.3	< 0.1	< 0.1	360	3.5	0.005	0.17	2.9	0.7	0.2
1127226	210	0.2	< 0.1	0.2	< 0.1	< 0.1	231	2.4	0.351	0.13	2.1	0.3	0.2
1127227	28.6	0.2	< 0.1	0.7	0.1	0.1	127	0.8	0.004	0.29	3.1	1.4	0.5
1127228	9.7	0.2	0.1	0.9	0.1	0.2	83.2	1.3	0.010	0.33	2.8	1.9	0.6
1127229	278	0.2	0.2	1.1	0.2	0.2	133	1.4	0.002	0.07	1.3	0.7	0.2
1127230	13.1	0.7	0.2	1.3	0.2	0.1	287	1.0	0.001	< 0.05	3.5	0.7	0.2
1127231	132	0.4	0.2	1.1	0.2	< 0.1	117	2.6	0.004	0.38	30.0	0.9	0.2
1127232	12.0	0.3	0.1	0.9	0.1	< 0.1	26.2	1.1	0.002	< 0.05	9.8	0.1	< 0.1
1127233	138	0.5	0.1	1.0	0.1	0.1	90.6	2.6	0.003	0.07	17.0	0.8	0.2
1127234	113	1.2	0.2	1.2	0.2	0.2	123	5.3	0.003	0.42	38.5	1.2	0.3
1127235	400	0.2	0.2	1.1	0.1	0.2	119	8.2	0.004	0.78	48.8	1.2	0.4
1127236	210	0.2	0.1	0.9	0.1	0.2	76.2	7.0	0.004	0.24	43.0	1.2	0.3
1127237	331	0.3	0.1	0.8	0.1	< 0.1	13.8	1.7	0.002	< 0.05	10.7	0.3	< 0.1
1127238	172	0.2	0.1	0.9	0.1	0.1	57.2	3.6	0.002	0.10	69.4	1.2	0.3
1127239	280	0.2	0.2	1.2	0.2	0.3	177	2.4	0.004	0.60	110	1.4	0.4
1127240	79.7	0.8	0.3	1.8	0.2	< 0.1	247	0.4	0.003	0.72	20.9	1.5	0.4
1127241	31.5	0.3	0.2	1.2	0.2	< 0.1	177	0.2	0.003	0.45	5.2	2.5	0.8
1127242	16.9	0.1	< 0.1	0.3	< 0.1	< 0.1	39.4	0.1	0.007	< 0.05	1.4	0.2	< 0.1
1127243	9.8	0.4	0.1	0.9	0.1	0.2	262	0.6	< 0.001	0.33	2.0	1.9	0.4
1127244	69.6	0.2	0.1	1.0	0.1	0.2	257	1.9	< 0.001	0.61	14.4	1.6	0.4

Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	20	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas		< 20	35.3	1.39	1.03	8.21	1.80	1.00		68	67	882	4.78	1.2	35.3	3.3	3.1	1.1	10		3.64	17.8	1.40
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
SDC-1 Meas		< 20	33.6	1.50	0.93	7.94	1.75	0.98		66	63	886	4.68	1.4	34.3	3.3	2.6	1.1	20		3.72	17.6	1.50
SDC-1 Cert		13.00	34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	38.0	4.10	3.00	1.50	200.00		4.00	18.0	1.70
Oreas 72a (4 Acid Digest) Meas											176		9.32		> 5000							146	
Oreas 72a (4 Acid Digest) Cert											228		9.63		6930.000							157	
OREAS 101b (4 Acid) Meas					1.26		2.35			71		911	10.8		8.6	12.9		4.5				46.1	6.99
OREAS 101b (4 Acid) Cert					1.23		2.36			77		927	10.7		8.2	15		5.2				45	8.1
OREAS 101b (4 Acid) Meas					1.19		2.39			70		923	10.4		8.7	13.2		4.6				46.0	7.10
OREAS 101b (4 Acid) Cert					1.23		2.36			77		927	10.7		8.2	15		5.2				45	8.1
OREAS 101b (4 Acid) Meas					1.20		2.15			65		883	9.96		8.6	14.1		4.8				44.0	6.95
OREAS 101b (4 Acid) Cert					1.23		2.36			77		927	10.7		8.2	15		5.2				45	8.1
OREAS 98 (4 Acid) Meas																				45.9		128	
OREAS 98 (4 Acid) Cert																				45.1		121	
OREAS 98 (4 Acid) Meas																				43.5		123	
OREAS 98 (4 Acid) Cert																				45.1		121	
DNC-1a Meas			4.9	1.36				8.32		162	165		7.25		279							57.1	0.52
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
DNC-1a Meas			4.7	1.34				8.38		160	145		7.15		287							58.8	0.57
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
DNC-1a Meas			4.7	1.36				8.02		149	147		6.64		270							55.4	0.57
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
DNC-1a Meas			4.6	1.45				7.84		146	129		7.29		269							59.4	0.58
DNC-1a Cert			5.2	1.40				8.21		148	270		6.97		247							57	0.59
OREAS 13b (4-Acid) Meas											> 5000				2170					1.02		78.7	
OREAS 13b (4-Acid) Cert											8650.000				2247.0000					0.86		75	
OREAS 13b (4-Acid) Meas											> 5000				2060					0.90		77.8	
OREAS 13b (4-Acid) Cert											8650.000				2247.0000					0.86		75	
OREAS 904 (4 ACID) Meas			16.9	0.04	0.58	6.63	2.40	0.05		72	60	414	6.93	0.6	41.5		8.1			0.49	3.43	88.2	
OREAS 904 (4 ACID) Cert			16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00	40.1		7.86			0.551	3.79	83.0	
OREAS 904 (4 ACID) Meas			16.5	0.04	0.59	7.23	2.49	0.05		80	72	438	7.39	5.2	44.1		7.6			0.61	3.47	94.8	
OREAS 904 (4 ACID) Cert			16.7	0.0340	0.556	6.30	3.31	0.0460		76.0	54.0	410	6.68	5.00	40.1		7.86			0.551	3.79	83.0	
SBC-1 Meas			173						0.4	235	118			3.0	87.1	3.2	3.4	1.1			7.60	22.1	1.73
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			168						0.4	235	121			3.0	85.8	3.0	3.4	1.1			7.63	22.3	1.77
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98

Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	20	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SBC-1 Meas			161						0.4	212	107			3.6	82.7	3.2	2.7	1.2			7.43	21.0	1.76
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
SBC-1 Meas			162						0.4	209	108			3.5	82.0	3.4	3.0	1.2			7.87	21.8	1.85
SBC-1 Cert			163						0.40	220.0	109			3.7	82.8	3.80	3.20	1.40			8.2	22.7	1.98
OREAS 45d (4-Acid) Meas			22.4	0.10	0.27	8.42	0.50	0.19		82	481	506	14.5	1.5	237	1.4	0.8	0.5			3.67	31.2	0.58
OREAS 45d (4-Acid) Cert			21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830	231.0	1.38	0.79	0.46			3.910	29.50	0.57
OREAS 96 (4 Acid) Meas																				11.8		51.2	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 96 (4 Acid) Meas																				11.7		49.9	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 96 (4 Acid) Meas																				10.7		50.2	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 96 (4 Acid) Meas																				10.4		48.5	
OREAS 96 (4 Acid) Cert																				11.5		49.9	
OREAS 923 (4 Acid) Meas			33.4	0.32	1.90	8.32	2.45	0.48	0.5	99	81	970	6.93	3.3	38.7	2.6	2.6	0.9		1.85	6.23	23.2	1.28
OREAS 923 (4 Acid) Cert			31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42	35.8	2.86	2.42	0.960		1.60	6.70	23.1	1.37
OREAS 923 (4 Acid) Meas			33.2	0.32	1.80	7.56	2.49	0.48	0.4	93	75	1010	7.07	3.6	39.4	2.5	2.4	0.9		1.58	6.42	24.5	1.30
OREAS 923 (4 Acid) Cert			31.4	0.324	1.69	7.29	2.51	0.473	0.420	91.0	71.0	950	6.43	3.42	35.8	2.86	2.42	0.960		1.60	6.70	23.1	1.37
OREAS 621 (4 Acid) Meas			14.4	1.26	0.56	6.90	2.28	2.01	278	35	35	536	3.97	4.0	26.8		1.8			67.9	3.07	31.5	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 621 (4 Acid) Meas			14.6	1.32	0.51	6.79	2.31	2.09	267	33	34	541	4.02	4.7	27.5		1.5			59.3	3.11	31.4	
OREAS 621 (4 Acid) Cert			14.2	1.31	0.507	6.40	2.20	1.97	284	31.8	37.1	532	3.70	4.41	26.2		1.69			69.0	3.28	29.3	
OREAS 522 (4 Acid) Meas			16.4	0.62	1.13	3.84	3.13	3.70		161	41	3700	23.2	3.1	72.4	2.0	0.8	0.7		1.31	0.63	487	1.90
OREAS 522 (4 Acid) Cert			16.2	0.633	1.12	3.95	2.83	3.65		164	29.6	3970	24.6	2.96	70.0	1.97	0.700	0.660		1.31	0.640	550	1.88
OREAS 228b (Fire Assay) Meas	> 5000																						
OREAS 228b (Fire Assay) Cert	8570																						
OREAS 228b (Fire Assay) Meas	> 5000																						
OREAS 228b (Fire Assay) Cert	8570																						
Oreas E1336 (Fire Assay) Meas	516																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	496																						

Analyte Symbol	Au	B	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Ni	Er	Be	Ho	Hg	Ag	Cs	Co	Eu
Unit Symbol	ppb	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	5	20	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	0.5	0.1	0.1	0.1	10	0.05	0.05	0.1	0.05
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Oreas E1336 (Fire Assay) Cert	510																						
1127203 Orig		< 20	14.2	1.58	2.32	6.86	0.21	5.13	0.2	68	11	2040	12.8	1.7	3.9	6.3	1.0	2.2	< 10	0.05	0.41	35.8	2.18
1127203 Dup		< 20	14.9	1.63	2.41	7.13	0.22	5.29	0.2	37	7	2060	13.2	0.4	4.1	6.5	1.1	2.2	< 10	0.07	0.40	36.7	2.26
1127210 Orig	22																						
1127210 Dup	23																						
1127220 Orig	< 5	< 20	25.4	2.89	1.14	8.18	1.19	2.95	< 0.1	80	25	529	3.64	2.0	13.6	0.9	0.7	0.3	30	0.18	2.19	13.3	0.74
1127220 Dup	< 5	< 20	25.0	2.70	1.14	8.10	1.18	2.98	< 0.1	81	37	537	3.69	2.0	13.3	1.0	0.8	0.3	30	0.16	2.14	13.2	0.76
1127231 Orig	66																						
1127231 Dup	53																						
1127234 Orig		< 20	19.0	0.36	1.14	4.84	1.41	3.60	2.9	99	42	729	8.21	0.6	14.7	1.3	0.9	0.4	110	1.27	1.79	9.1	1.00
1127234 Dup		< 20	18.8	0.36	1.16	5.10	1.39	3.64	2.8	102	43	742	7.94	0.5	14.0	1.1	0.9	0.4	30	1.20	1.71	9.1	0.96
1127240 Orig	12																						
1127240 Dup	12																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	3	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	20	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	5	17	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	2	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	3	< 0.01	< 0.1	0.8	< 0.1	< 0.1	< 0.1	30	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	6	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	< 10	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	6	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	70	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank		< 20	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	7	< 0.01	< 0.1	< 0.5	< 0.1	< 0.1	< 0.1	60	< 0.05	< 0.05	< 0.1	< 0.05

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas			93.1	16.7	< 0.1	102		48	< 0.1			< 1	< 0.1		693	39.5	89.5		37.6	6.2	7.0	1.0	5.6
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
SDC-1 Meas			103	20.3	0.8	92.2		49	0.8			< 1	< 0.1		582	39.0	85.5		40.6	7.4	6.6	1.0	5.9
SDC-1 Cert			103.00	21.00	0.220	127.00		290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
Oreas 72a (4 Acid Digest) Meas					6.3																		
Oreas 72a (4 Acid Digest) Cert					14.7																		
OREAS 101b (4 Acid) Meas							136			20.8						620	1090	117	359	29.6	40.2	4.2	23.9
OREAS 101b (4 Acid) Cert							133			20.1						754	1325	127	388	48	40	5.4	27
OREAS 101b (4 Acid) Meas							118			18.4						680	1220	107	368	45.1	35.5	4.2	24.3
OREAS 101b (4 Acid) Cert							133			20.1						754	1325	127	388	48	40	5.4	27
OREAS 101b (4 Acid) Meas							117			18.8						708	1260	112	351	45.9	35.6	4.4	25.0
OREAS 101b (4 Acid) Cert							133			20.1						754	1325	127	388	48	40	5.4	27
OREAS 98 (4 Acid) Meas	98.7	159	1370									181	8.9										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
OREAS 98 (4 Acid) Meas	88.9	169	1170									198	12.5										
OREAS 98 (4 Acid) Cert	97.2	158	1360									206	20.1										
DNC-1a Meas			65.8	13.1		3.4	15.3	38	1.6				0.8		122	3.5			4.6				
DNC-1a Cert			70	15		4.50	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			64.6	13.1		3.7	16.0	40	1.1				0.5		121	3.6			4.7				
DNC-1a Cert			70	15		4.50	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			63.8	13.4		3.6	15.9	40	1.4				0.8		104	3.5			5.1				
DNC-1a Cert			70	15		4.50	18.0	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas			68.1	13.6		3.9	16.6	41	1.4				0.8		109	3.9			5.4				
DNC-1a Cert			70	15		4.50	18.0	38.0	3				0.96		118	3.6			5.20				
OREAS 13b (4-Acid) Meas			141		68.9					11.2													
OREAS 13b (4-Acid) Cert			133		57					9.0													
OREAS 13b (4-Acid) Meas			132		57.4					9.79													
OREAS 13b (4-Acid) Cert			133		57					9.0													
OREAS 904 (4 ACID) Meas	4.43	2.9	26.1	16.0	90.3	87.6	31.3	45		1.71	0.2	3	0.9		208	41.5	81.6					0.9	
OREAS 904 (4 ACID) Cert	4.05	3.30	26.3	16.7	98.0	130	31.5	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
OREAS 904 (4 ACID) Meas	4.46	3.1	24.9	15.9	102	85.2	32.0	197		2.28	0.2	3	1.4		205	42.0	85.5					1.0	
OREAS 904 (4 ACID) Cert	4.05	3.30	26.3	16.7	98.0	130	31.5	171		2.12	0.220	2.83	1.48		194	43.2	86.0					1.00	
SBC-1 Meas	0.66		186	21.4	32.0	153	29.1	122	16.3	2.66		3	1.0		609	47.8	108	13.2	44.2	7.4	7.8	1.0	6.0
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.65		184	21.7	31.4	155	29.5	122	16.4	2.69		3	1.0		620	49.0	110	13.5	45.0	7.5	7.6	1.0	6.1
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SBC-1 Meas	0.69		191	24.2	28.1	143	30.2	127	14.4	2.34		3	1.0		732	47.0	96.9	11.7	49.5	8.4	7.6	1.0	6.0
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
SBC-1 Meas	0.70		193	25.2	28.9	144	30.4	125	14.1	2.41		4	1.1		768	48.6	102	11.8	48.5	9.6	8.1	1.1	6.2
SBC-1 Cert	0.70		186	27.0	25.7	147	36.5	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas	0.33		40.6	20.6	7.4	44.9	11.1	58	0.2	0.15	< 0.1	< 1	< 0.1		178	16.1	36.0	3.7	13.9	2.5	2.5	0.4	2.3
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.8	42.1	9.53	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 96 (4 Acid) Meas	28.6	41.4	459									59	4.2										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 96 (4 Acid) Meas	27.8	40.1	435									58	3.0										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 96 (4 Acid) Meas	30.0	42.9	483									63	4.1										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 96 (4 Acid) Meas	28.4	41.4	467									59	3.2										
OREAS 96 (4 Acid) Cert	26.3	40.7	457									65.6	5.09										
OREAS 923 (4 Acid) Meas	20.9	6.2	357	16.5	8.0	173	26.0	133	14.7	1.34	0.5	12	1.3		503	42.2	86.4	10.5	34.5	5.5	5.8	0.8	4.6
OREAS 923 (4 Acid) Cert	21.4	6.54	345	20.3	7.61	166	26.4	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 923 (4 Acid) Meas	21.6	6.5	382	19.0	7.4	144	25.4	135	14.0	0.99	0.5	13	1.3		423	40.8	81.5	9.4	37.2	6.2	5.7	0.8	4.8
OREAS 923 (4 Acid) Cert	21.4	6.54	345	20.3	7.61	166	26.4	116	14.1	0.930	0.520	13.3	1.29		434	42.2	83.0	9.58	35.4	6.64	5.73	0.850	5.05
OREAS 621 (4 Acid) Meas	3.91	5.3	> 10000	23.7	84.8	88.7	11.8	178	9.7	15.7	1.6	5	24.7			19.3	47.4					0.5	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 621 (4 Acid) Meas	4.24	4.8	> 10000	23.2	72.8	78.7	12.2	185	9.1	14.7	1.7	6	59.7			22.0	49.6					0.5	
OREAS 621 (4 Acid) Cert	3.93	5.64	52200	24.6	77.0	84.0	11.1	168	8.61	13.6	1.83	5.25	139			21.6	46.6					0.460	
OREAS 522 (4 Acid) Meas	9.47	2.5	28.9	14.9	411	83.2	17.5	122	3.9	204	0.2	9	4.9	0.6		49.5	73.3	7.2	27.0	3.9	3.7	0.6	3.4
OREAS 522 (4 Acid) Cert	8.72	2.74	30.2	16.0	490	82.0	18.5	112	5.66	206	0.230	9.32	7.93	1.14		171	148	9.76	27.2	4.17	3.87	0.590	3.24
OREAS 228b (Fire Assay) Meas																							
OREAS 228b (Fire Assay) Cert																							
OREAS 228b (Fire Assay) Meas																							
OREAS 228b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.02	0.1	0.2	0.1	0.1	0.2	0.1	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Oreas E1336 (Fire Assay) Cert																							
1127203 Orig	0.04	0.4	192	24.4	< 0.1	2.7	60.6	74	< 0.1	0.07	0.1	< 1	< 0.1	< 0.1	91	10.3	27.8	4.6	20.9	6.6	9.0	1.6	10.5
1127203 Dup	0.04	0.2	200	25.1	< 0.1	2.8	61.7	12	< 0.1	0.06	0.2	< 1	< 0.1	< 0.1	96	10.6	28.6	4.8	21.2	7.0	9.2	1.6	10.8
1127210 Orig																							
1127210 Dup																							
1127220 Orig	0.26	1.4	23.5	17.0	1.1	40.2	9.2	79	2.9	3.86	< 0.1	< 1	0.2	0.1	298	12.8	29.4	3.3	14.1	1.9	2.1	0.3	1.8
1127220 Dup	0.25	1.5	26.7	16.8	1.3	41.9	9.4	79	2.9	3.84	< 0.1	< 1	0.2	0.1	291	13.5	30.4	3.4	14.6	2.4	2.1	0.3	1.9
1127231 Orig																							
1127231 Dup																							
1127234 Orig	0.79	2.3	1130	14.2	123	46.6	10.7	23	2.8	2.38	0.4	6	0.4	0.7	438	9.2	21.1	2.5	10.7	2.1	2.1	0.3	2.0
1127234 Dup	0.77	2.2	1080	13.9	120	45.5	10.3	19	2.9	2.38	0.4	6	0.5	0.7	359	8.9	20.2	2.3	10.4	1.8	2.0	0.3	1.8
1127240 Orig																							
1127240 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.02	< 0.1	< 0.2	0.3	< 0.1	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	< 0.2	0.3	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.28	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.2	< 0.2	0.3	< 0.1	< 0.2	< 0.1	1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.3	0.4	0.2	0.5	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	< 0.1	< 0.2	0.3	< 0.1	< 0.2	< 0.1	< 1	< 0.1	0.40	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.4	< 0.2	0.2	0.6	< 0.2	< 0.1	< 1	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.02	0.3	< 0.2	0.2	0.3	< 0.2	< 0.1	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SDC-1 Meas	32.1		0.5	3.0		< 0.1	169	< 0.1		0.64	24.9	12.9	2.7
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
SDC-1 Meas	33.0		0.5	3.3		< 0.1	171	< 0.1		0.61	25.1	11.6	2.7
SDC-1 Cert	30.000		0.65	4.00		1.20	180.00	0.80		0.70	25.00	12.00	3.10
Oreas 72a (4 Acid Digest) Meas	312												
Oreas 72a (4 Acid Digest) Cert	316												
OREAS 101b (4 Acid) Meas	484		2.0	12.0	1.7						22.2	40.2	336
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96						23	36.4	387
OREAS 101b (4 Acid) Meas	423		2.0	13.2	1.7						22.4	36.5	340
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96						23	36.4	387
OREAS 101b (4 Acid) Meas	399		2.0	13.2	1.7						21.7	33.8	337
OREAS 101b (4 Acid) Cert	412		2.08	13.9	1.96						23	36.4	387
OREAS 98 (4 Acid) Meas	> 10000										310		
OREAS 98 (4 Acid) Cert	14800 0.0										345		
OREAS 98 (4 Acid) Meas	> 10000										296		
OREAS 98 (4 Acid) Cert	14800 0.0										345		
DNC-1a Meas	106			1.8			146				7.1		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	111			1.8			147				7.2		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	104			1.8			153				7.1		
DNC-1a Cert	100			2.0			144				6.3		
DNC-1a Meas	105			2.0			154				7.3		
DNC-1a Cert	100			2.0			144				6.3		
OREAS 13b (4-Acid) Meas	2320												
OREAS 13b (4-Acid) Cert	2327.0 000												
OREAS 13b (4-Acid) Meas	2250												
OREAS 13b (4-Acid) Cert	2327.0 000												
OREAS 904 (4 ACID) Meas	5980	0.4		3.1	0.5	< 0.1	27.5	0.5		0.55	11.1	15.7	9.3
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	27.2	2.12		0.520	10.6	14.3	8.43
OREAS 904 (4 ACID) Meas	6170	0.2		3.3	0.5	0.8	26.6	2.9		0.54	11.2	15.1	9.0
OREAS 904 (4 ACID) Cert	6120	0.180		3.14	0.470	0.540	27.2	2.12		0.520	10.6	14.3	8.43
SBC-1 Meas	33.7		0.5	3.0	0.4	1.1	174	1.5		0.88	34.1	17.1	5.7
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	31.4		0.5	3.0	0.5	1.2	180	1.5		0.88	34.0	17.1	5.7
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
SBC-1 Meas	32.8		0.5	3.4	0.5	1.1	177	1.7		0.91	35.3	15.6	5.6
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
SBC-1 Meas	31.9		0.5	3.4	0.5	1.1	182	1.6		0.89	34.4	15.1	5.4
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	178.0	1.60		0.89	35.0	15.8	5.76
OREAS 45d (4-Acid) Meas	377			1.5	0.2	< 0.1	33.4	< 0.1		0.25	22.6	14.5	2.8
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	31.30	1.62		0.27	21.8	14.5	2.63
OREAS 96 (4 Acid) Meas	> 10000										101		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 96 (4 Acid) Meas	> 10000										98.4		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 96 (4 Acid) Meas	> 10000										98.5		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 96 (4 Acid) Meas	> 10000										94.0		
OREAS 96 (4 Acid) Cert	39300										101		
OREAS 923 (4 Acid) Meas	4380		0.4	2.4	0.4	0.8	41.8	4.8		0.91	85.8	19.4	3.4
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	43.0	4.85		0.860	83.0	16.5	3.06
OREAS 923 (4 Acid) Meas	4450		0.4	2.6	0.4	0.9	44.7	5.2		0.90	83.5	16.7	3.3
OREAS 923 (4 Acid) Cert	4230		0.410	2.57	0.390	1.11	43.0	4.85		0.860	83.0	16.5	3.06
OREAS 621 (4 Acid) Meas	3640			1.0	0.1		65.0	2.0		2.04	> 5000	6.2	2.9
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83
OREAS 621 (4 Acid) Meas	3690			1.1	0.1		74.4	2.4		2.06	> 5000	6.6	2.8
OREAS 621 (4 Acid) Cert	3630			0.990	0.140		91.0	2.35		1.96	13600	7.48	2.83
OREAS 522 (4 Acid) Meas	8500		0.3	2.0	0.3	< 0.1	69.4	96.6	0.087	0.30	12.5	1.4	42.0
OREAS 522 (4 Acid) Cert	9160		0.280	1.97	0.310	0.440	199	135	0.0980	0.290	12.5	7.53	42.2
OREAS 228b (Fire Assay) Meas													
OREAS 228b (Fire Assay) Cert													
OREAS 228b (Fire Assay) Meas													
OREAS 228b (Fire Assay) Cert													
Oreas E1336 (Fire Assay) Meas													
Oreas E1336 (Fire Assay) Cert													
Oreas E1336 (Fire Assay) Meas													

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	Sr	W	Re	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.001	0.05	0.5	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Oreas E1336 (Fire Assay) Cert													
1127203 Orig	58.0	< 0.1	1.0	6.2	0.9	< 0.1	251	< 0.1	0.002	< 0.05	2.7	1.2	0.3
1127203 Dup	62.7	< 0.1	1.0	6.3	0.9	< 0.1	257	< 0.1	0.002	< 0.05	2.8	1.2	0.3
1127210 Orig													
1127210 Dup													
1127220 Orig	60.3	0.1	0.1	1.0	0.1	0.2	391	0.8	0.002	0.28	8.6	1.7	0.6
1127220 Dup	60.2	0.1	0.1	0.9	0.1	0.2	402	1.0	0.002	0.27	8.4	1.8	0.6
1127231 Orig													
1127231 Dup													
1127234 Orig	117	1.6	0.2	1.2	0.2	0.1	126	5.4	0.003	0.42	39.1	1.3	0.3
1127234 Dup	110	0.9	0.2	1.2	0.2	0.2	119	5.1	0.003	0.41	37.9	1.2	0.3
1127240 Orig													
1127240 Dup													
Method Blank													
Method Blank													
Method Blank													
Method Blank	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	1.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.002	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	< 0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.001	< 0.05	< 0.5	< 0.1	< 0.1
Method Blank	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.1	0.001	< 0.05	< 0.5	< 0.1	< 0.1

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-09890**
Report Date: **25-Sep-20**
Date Submitted: **24-Aug-20**
Your Reference: **NL**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

46 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-09-11 15:06:34

REPORT **A20-09890**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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.: **A20-09890**
Report Date: **25-Sep-20**
Date Submitted: **24-Aug-20**
Your Reference: **NL**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

46 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)	2020-09-08 21:46:17

REPORT **A20-09890**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127245	6	30.2	0.5	2	0.093	1.18	3.31	0.054	0.721	0.72	1.75	67	36	0.22	2480	8.62	12.5	17.8	25.6	98.7	10.8	< 0.1	0.2
1127246	7	14.0	0.3	1	0.074	0.97	2.79	0.047	0.301	0.36	1.49	70	34	0.16	5050	14.0	8.8	12.2	14.5	107	10.9	0.1	< 0.1
1127247	12	45.3	0.2	1	0.042	1.56	3.45	0.016	1.676	0.41	1.08	231	311	0.25	2980	10.2	61.7	128	88.5	322	11.8	< 0.1	0.9
1127248	29	0.4	< 0.1	< 1	0.014	0.04	0.12	0.003	4.101	0.01	0.05	7	21	< 0.01	1140	5.54	10.5	8.6	31.8	17.2	1.03	< 0.1	4.9
1127249	< 5	9.8	0.1	< 1	0.059	0.79	1.14	0.022	0.262	0.39	0.09	9	12	0.04	310	1.49	1.6	3.0	3.6	75.6	4.41	< 0.1	0.2
1127250	6	29.2	0.3	3	0.054	1.23	2.31	0.021	0.582	0.53	1.42	22	65	0.08	1650	1.48	7.2	31.4	15.1	129	8.06	< 0.1	< 0.1
1127251	< 5	28.5	0.1	< 1	0.136	1.91	2.70	0.012	0.371	0.08	1.53	102	90	0.09	1110	5.61	35.5	105	75.3	108	7.70	< 0.1	0.9
1127252	20	20.2	0.3	< 1	0.021	2.95	2.65	0.002	1.458	0.87	0.23	61	2020	0.16	485	15.4	165	2150	109	1130	8.17	0.2	7.3
1127253	6	1.3	0.1	< 1	0.069	0.40	1.23	0.077	0.379	0.04	2.27	70	45	0.56	405	3.91	16.2	30.3	70.4	43.3	4.81	0.2	0.1
1127254	15	1.2	0.2	< 1	0.168	0.73	1.69	0.106	1.929	0.07	2.34	92	10	0.36	530	8.65	48.4	6.0	99.9	84.2	11.0	0.2	0.6
1127255	6	1.8	0.3	< 1	0.259	1.31	2.00	0.124	0.806	0.11	2.53	116	4	0.40	807	8.84	23.1	2.7	29.5	121	12.4	0.1	< 0.1
1127256	13	0.8	0.2	< 1	0.058	0.35	1.28	0.122	1.123	0.09	2.08	58	6	0.87	316	6.04	6.2	2.6	59.1	38.7	7.08	0.3	1.2
1127257	< 5	5.5	0.4	< 1	0.426	1.02	3.17	0.072	0.891	0.45	2.14	72	54	0.30	587	6.43	17.4	16.9	142	273	10.9	0.2	< 0.1
1127258	< 5	10.7	0.2	< 1	0.100	1.03	1.05	0.107	0.016	0.49	1.07	51	171	0.20	357	1.92	10.3	24.7	27.9	61.6	5.86	< 0.1	< 0.1
1127259	963	1.8	0.4	< 1	0.088	0.58	0.58	0.026	1.816	0.02	0.86	14	24	0.04	186	5.34	7.6	11.5	598	383	3.33	0.3	5.2
1127260	62	27.2	0.3	< 1	0.132	0.98	2.24	0.075	0.617	0.79	1.10	85	19	0.27	554	7.18	12.0	15.3	132	1750	9.46	0.3	8.3
1127261	9	22.6	0.5	2	0.146	1.11	3.20	0.047	0.172	0.17	2.76	85	79	0.23	524	4.66	18.8	69.4	72.7	359	9.45	0.2	3.3
1127262	74	3.3	0.4	< 1	0.073	0.54	0.59	0.061	0.933	0.04	0.81	17	14	0.03	253	18.6	7.2	9.7	224	612	6.67	0.6	5.8
1127263	< 5	15.0	0.2	< 1	0.251	1.03	2.23	0.034	0.159	0.11	1.59	75	54	0.20	380	3.25	17.9	31.7	128	48.5	7.14	< 0.1	0.4
1127264	< 5	11.3	0.6	< 1	0.358	1.31	2.84	0.140	0.014	0.19	3.39	188	21	0.43	851	6.35	21.6	16.7	5.5	134	14.5	0.1	2.3
1127265	< 5	2.7	< 0.1	< 1	0.064	0.04	0.33	0.013	0.035	0.16	0.05	3	17	0.01	50	0.59	0.4	1.2	2.3	4.7	1.61	< 0.1	0.4
1127266	< 5	8.7	0.1	< 1	0.103	0.31	0.75	0.048	2.163	0.35	0.27	32	14	0.18	173	3.61	7.0	14.9	90.4	60.1	4.84	< 0.1	0.4
1127267	< 5	23.0	0.1	< 1	0.065	2.32	3.12	0.052	1.899	1.74	1.27	121	133	0.61	707	7.26	30.5	60.4	54.9	139	13.6	0.1	0.5
1127268	< 5	9.1	< 0.1	< 1	0.089	0.27	0.83	0.008	2.231	0.20	0.13	19	20	0.07	117	3.82	8.4	23.9	62.6	109	4.32	< 0.1	0.8
1127269	< 5	5.0	0.1	< 1	0.115	0.21	0.52	0.016	0.691	0.15	0.25	20	35	0.09	81	1.67	6.4	16.6	27.3	28.2	2.70	< 0.1	< 0.1
1127270	< 5	15.8	< 0.1	2	0.119	0.92	1.12	0.026	0.499	0.69	0.20	36	22	0.14	365	2.16	7.0	5.1	34.4	45.4	6.09	< 0.1	0.4
1127271	51	9.5	0.3	2	0.065	0.45	0.85	0.014	2.390	0.17	0.77	36	305	0.14	281	3.14	32.0	258	188	121	5.09	< 0.1	7.0
1127272	< 5	15.1	0.2	5	0.088	0.65	1.25	0.028	0.401	0.41	0.24	18	21	0.05	146	1.67	4.0	13.2	3.6	33.5	5.69	< 0.1	1.8
1127273	< 5	1.9	< 0.1	< 1	0.068	0.03	0.37	0.005	0.673	0.18	0.02	3	9	< 0.01	37	1.39	5.5	7.1	3.9	10.2	1.71	< 0.1	1.4
1127274	< 5	1.0	< 0.1	2	0.063	0.01	0.40	0.025	0.890	0.20	0.05	4	9	< 0.01	34	1.78	4.4	7.0	4.8	7.4	1.87	< 0.1	2.3
1127275	< 5	1.6	0.2	< 1	0.024	0.07	0.42	0.015	0.022	0.01	0.60	8	26	0.03	87	0.72	1.8	5.0	8.0	2.9	2.25	< 0.1	0.2
1127276	8	16.9	0.3	5	0.057	0.62	1.81	0.052	0.140	0.33	1.34	30	18	0.14	191	1.29	8.2	10.1	75.6	19.7	5.14	< 0.1	< 0.1
1127277	18	18.6	< 0.1	< 1	0.077	1.09	1.72	0.053	0.151	0.21	0.95	67	18	0.19	319	4.41	26.2	19.3	210	53.5	7.57	< 0.1	< 0.1
1127278	6	16.1	0.1	< 1	0.056	0.69	1.83	0.050	0.020	0.23	1.32	49	17	0.16	118	2.96	10.6	13.8	24.8	18.4	7.51	< 0.1	0.5
1127279	6	6.0	0.3	< 1	0.074	0.75	1.49	0.040	0.188	0.17	0.70	45	23	0.16	422	6.70	3.0	8.2	55.8	216	8.19	0.3	0.2
1127280	< 5	19.1	0.2	< 1	0.110	0.79	1.04	0.021	0.253	0.18	0.38	20	15	0.08	175	1.46	4.9	4.3	5.7	21.3	6.73	< 0.1	< 0.1
1127281	< 5	20.1	< 0.1	2	0.089	0.87	0.87	0.016	0.700	0.39	0.12	19	14	0.07	124	1.38	4.7	4.7	2.6	13.3	5.57	< 0.1	0.8
1127282	< 5	22.7	0.2	12	0.109	1.01	1.77	0.024	0.725	0.37	0.85	13	18	0.06	386	1.35	5.5	4.6	7.0	29.0	6.30	< 0.1	< 0.1
1127283	9	3.6	< 0.1	3	0.094	0.03	0.45	0.019	0.340	0.12	0.02	23	19	0.06	151	3.09	3.3	7.3	13.2	3.6	1.51	< 0.1	0.2
1127284	< 5	12.1	0.4	< 1	0.386	0.42	4.17	0.062	0.168	0.20	2.53	67	50	0.15	347	2.65	16.4	19.0	13.0	27.8	14.5	< 0.1	0.3
1127285	14	16.0	0.1	< 1	0.107	0.40	1.35	0.073	0.736	0.38	0.45	48	39	0.08	137	2.42	9.2	19.7	59.0	8.1	5.31	< 0.1	< 0.1
1127286	< 5	10.1	0.2	< 1	0.065	0.54	1.42	0.067	0.338	0.28	0.09	29	25	0.07	135	2.41	18.3	7.9	30.6	16.2	3.90	< 0.1	< 0.1
1127287	9	16.3	< 0.1	< 1	0.032	0.88	3.06	0.022	0.594	0.65	0.20	130	32	0.19	1890	10.2	39.8	115	74.4	117	10.8	0.3	0.3
1127288	18	10.2	< 0.1	< 1	0.017	0.66	2.99	0.067	1.538	0.04	0.50	88	19	0.12	1930	10.6	55.1	74.5	105	72.5	7.58	0.5	0.4
1127289	11	20.2	0.2	< 1	0.304	1.82	4.01	0.036	2.822	0.10	0.83	148	69	0.11	927	8.82	18.0	72.4	165	54.3	17.5	< 0.1	< 0.1
1127290	8	12.6	0.3	< 1	0.320	0.42	2.16	0.059	0.297	0.26	0.75	66	22	0.16	259	3.60	2.0	1.9	38.3	18.2	8.77	< 0.1	0.5

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127245	0.4	19.5	35.3	6.88	8.0	5.7	3.1	1.8	1.4	0.2	0.7	< 0.1	0.2	1.28	0.117	0.02	< 0.02	0.39	< 0.02	< 0.02	1.76	90.6	10.6
1127246	0.3	11.4	34.5	5.81	8.7	5.0	2.1	1.3	1.0	0.2	0.6	< 0.1	0.3	1.07	0.104	< 0.01	< 0.02	0.28	< 0.02	0.09	1.08	75.8	7.2
1127247	0.9	15.3	22.5	4.52	7.9	19.5	1.3	1.0	0.9	0.2	0.5	< 0.1	0.1	1.79	0.974	0.56	0.06	0.34	0.02	0.10	1.67	29.7	4.2
1127248	0.6	0.5	0.9	0.74	2.1	0.8	0.1	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	2.44	0.952	0.04	< 0.02	0.06	< 0.02	0.18	0.23	7.0	< 0.5
1127249	0.4	11.0	16.5	0.72	4.1	0.8	1.0	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	1.79	0.142	0.09	0.11	0.09	< 0.02	0.12	1.02	102	4.0
1127250	0.4	18.6	16.8	1.14	6.6	2.1	1.4	0.7	0.3	< 0.1	< 0.1	< 0.1	< 0.1	2.98	0.525	0.12	< 0.02	0.19	0.03	0.05	1.90	59.3	5.2
1127251	0.5	6.6	7.8	3.05	0.7	7.3	0.2	0.5	0.6	0.1	0.4	< 0.1	< 0.1	1.40	0.112	0.07	< 0.02	0.14	< 0.02	0.06	0.80	25.1	0.6
1127252	1.1	28.1	5.3	2.03	2.2	8.1	0.8	0.5	0.4	< 0.1	0.2	< 0.1	< 0.1	11.9	2.89	1.27	0.24	0.32	0.02	2.42	5.93	45.1	2.5
1127253	0.5	1.3	248	8.79	5.0	6.0	0.7	1.3	1.7	0.3	1.1	0.2	0.8	24.4	0.169	0.06	0.04	0.62	0.19	0.08	0.10	13.5	1.6
1127254	1.6	1.0	54.7	19.6	5.0	12.2	1.4	2.9	3.7	0.7	2.0	0.3	1.1	10.0	0.315	0.01	0.10	2.00	0.10	0.16	0.20	13.6	3.9
1127255	1.0	2.0	41.9	20.2	3.5	16.1	1.7	3.0	3.5	0.7	2.2	0.4	0.9	15.3	0.208	< 0.01	0.07	1.02	0.11	0.10	0.31	9.6	4.2
1127256	2.0	1.6	433	11.3	4.4	10.1	1.1	1.9	2.1	0.4	1.3	0.2	1.1	19.8	0.357	0.02	0.05	0.92	0.48	0.15	0.16	50.5	2.7
1127257	2.0	17.6	76.2	10.2	3.2	8.8	2.3	1.8	1.8	0.4	1.2	0.2	0.4	6.59	0.353	0.65	0.10	0.90	0.05	0.23	1.33	89.4	7.8
1127258	0.2	28.5	120	7.64	13.0	3.6	4.7	3.0	1.6	0.3	0.7	0.1	0.2	0.66	0.052	0.10	< 0.02	0.42	0.08	0.02	1.21	58.6	15.6
1127259	1.7	0.2	4.3	2.43	1.9	1.4	1.6	0.9	0.5	< 0.1	0.3	< 0.1	< 0.1	2.10	0.766	1.27	0.20	2.17	0.16	0.27	0.19	8.0	4.6
1127260	1.9	42.3	28.9	14.3	10.8	7.1	2.8	3.0	2.9	0.6	1.5	0.2	0.3	1.23	0.395	4.14	0.41	5.57	0.11	0.36	10.1	113	7.7
1127261	0.9	8.9	106	7.16	2.5	8.5	1.7	1.7	1.4	0.3	0.8	0.1	0.3	1.50	0.242	0.49	0.07	1.73	0.24	0.06	1.56	35.1	5.8
1127262	2.3	1.2	6.1	3.12	4.8	1.4	1.5	1.0	0.6	0.1	0.4	< 0.1	0.1	6.46	0.359	1.48	0.14	1.78	0.29	0.24	1.70	11.8	4.5
1127263	0.6	5.1	37.5	7.11	2.0	7.4	1.1	1.5	1.4	0.3	0.8	0.1	0.2	2.64	0.081	0.03	< 0.02	0.25	0.02	0.06	0.96	43.5	3.1
1127264	< 0.1	3.8	66.3	35.5	2.6	21.7	4.1	6.8	6.9	1.3	4.0	0.6	1.2	1.32	0.032	0.04	0.08	1.22	0.46	< 0.02	0.34	54.0	10.1
1127265	0.3	5.0	8.5	0.86	7.7	0.5	1.0	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	1.16	0.036	0.01	< 0.02	0.07	< 0.02	< 0.02	0.18	38.4	4.0
1127266	0.7	19.9	35.1	2.87	21.3	1.8	3.2	1.7	0.8	< 0.1	0.3	< 0.1	0.7	9.60	0.951	0.07	< 0.02	0.49	< 0.02	0.19	2.57	47.4	10.4
1127267	0.8	83.1	25.7	7.46	6.1	11.8	1.4	2.1	1.7	0.3	0.8	0.1	0.3	13.2	0.737	0.06	0.03	0.50	< 0.02	0.12	23.2	67.1	3.5
1127268	0.8	9.1	12.6	1.20	10.9	2.2	0.8	0.5	0.3	< 0.1	0.1	< 0.1	0.1	4.32	0.668	0.24	< 0.02	0.20	< 0.02	0.08	1.08	33.7	2.6
1127269	0.4	7.8	67.0	2.53	12.1	2.8	1.3	0.9	0.6	< 0.1	0.3	< 0.1	0.4	17.0	0.189	< 0.01	< 0.02	0.24	< 0.02	< 0.02	1.22	47.6	3.9
1127270	0.7	29.1	15.1	1.94	16.2	3.3	1.4	0.6	0.4	< 0.1	0.2	< 0.1	0.2	3.81	0.360	0.04	< 0.02	0.29	< 0.02	0.05	2.14	106	4.7
1127271	1.4	11.6	43.2	3.61	6.8	4.4	0.7	0.8	0.7	0.1	0.4	< 0.1	0.2	53.5	7.85	0.60	0.03	0.32	0.09	0.71	1.07	28.9	2.5
1127272	0.3	14.8	21.3	1.57	10.7	1.4	1.4	0.7	0.4	< 0.1	0.1	< 0.1	< 0.1	3.40	0.043	0.03	< 0.02	0.10	0.03	0.02	1.64	130	5.2
1127273	0.3	5.0	5.0	0.51	7.6	0.5	0.6	0.3	0.1	< 0.1	< 0.1	< 0.1	< 0.1	3.11	0.207	0.02	< 0.02	0.06	0.02	0.03	0.27	48.0	2.1
1127274	0.2	5.2	22.9	0.93	6.8	0.5	1.2	0.7	0.3	< 0.1	< 0.1	< 0.1	< 0.1	2.79	0.317	< 0.01	< 0.02	0.05	< 0.02	< 0.02	0.34	52.4	5.0
1127275	0.2	0.4	24.9	0.78	0.8	0.6	0.2	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	10.9	0.030	< 0.01	< 0.02	0.12	0.02	0.02	0.02	8.2	0.7
1127276	0.3	11.2	34.6	5.57	14.7	2.7	2.5	1.6	1.2	0.2	0.6	< 0.1	0.2	103	0.154	0.06	< 0.02	0.19	0.04	0.03	0.48	65.0	8.6
1127277	0.7	10.2	87.6	4.61	5.9	3.5	2.2	1.3	0.9	0.2	0.5	< 0.1	0.3	5.30	0.246	0.05	< 0.02	0.21	0.04	0.03	1.19	33.8	8.4
1127278	0.3	8.5	108	3.32	7.8	3.2	1.5	0.8	0.6	0.1	0.4	< 0.1	0.5	4.93	0.049	0.04	< 0.02	0.28	0.10	< 0.02	0.70	31.6	5.3
1127279	4.2	16.0	21.1	6.50	2.1	3.3	1.1	1.1	1.2	0.2	0.8	0.1	0.4	3.49	0.264	0.22	0.44	7.17	< 0.02	0.37	2.40	97.4	4.4
1127280	0.4	5.2	12.7	1.39	12.1	2.3	1.2	0.6	0.3	< 0.1	0.2	< 0.1	< 0.1	0.86	0.107	< 0.01	< 0.02	0.16	< 0.02	0.10	0.39	44.6	4.1
1127281	0.5	13.4	11.0	1.01	14.4	1.8	1.1	0.5	0.2	< 0.1	< 0.1	< 0.1	< 0.1	1.15	0.054	< 0.01	< 0.02	0.25	< 0.02	0.09	0.90	59.5	3.7
1127282	0.6	14.9	23.7	1.92	8.1	1.8	1.4	0.8	0.5	< 0.1	0.2	< 0.1	< 0.1	9.19	0.097	0.04	< 0.02	0.14	< 0.02	0.06	1.50	64.6	4.8
1127283	11.1	3.1	20.6	1.84	6.3	2.2	2.1	1.4	0.6	< 0.1	0.2	< 0.1	0.2	1.32	0.282	< 0.01	< 0.02	0.09	0.04	0.51	0.45	39.8	7.1
1127284	0.3	6.3	240	6.33	4.5	7.5	2.3	1.7	1.3	0.2	0.7	< 0.1	0.3	1.44	0.029	0.03	0.03	0.80	< 0.02	0.08	0.87	52.6	7.3
1127285	3.9	11.3	58.3	3.47	8.3	4.7	1.4	0.9	0.9	0.2	0.4	< 0.1	< 0.1	5.25	0.129	0.01	< 0.02	0.17	< 0.02	0.24	0.88	61.9	7.7
1127286	0.9	6.5	25.8	2.22	5.3	2.9	2.0	1.3	0.7	0.1	0.2	< 0.1	< 0.1	1.23	0.035	< 0.01	< 0.02	0.10	< 0.02	0.09	0.44	111	8.0
1127287	0.2	16.7	3.6	6.70	8.2	23.8	2.8	1.9	1.4	0.3	0.9	0.1	0.3	1.61	0.178	0.02	0.11	0.72	< 0.02	0.16	2.58	31.7	10.1
1127288	0.5	5.5	3.0	6.98	5.2	12.1	1.8	1.2	1.2	0.2	0.7	0.1	0.3	1.79	0.391	0.05	< 0.02	0.19	0.06	0.52	0.68	20.2	7.1
1127289	0.6	3.8	98.6	4.72	25.0	16.5	1.0	0.8	0.9	0.2	0.6	< 0.1	0.1	1.17	0.497	< 0.01	0.06	0.48	< 0.02	0.67	0.66	26.4	5.1
1127290	0.3	6.1	115	2.67	11.2	6.8	2.6	0.9	0.6	0.1	0.3	< 0.1	0.5	2.35	0.265	< 0.01	< 0.02	0.25	0.03	0.22	0.63	101	13.7

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127245	25.9	11.7	2.5	0.8	0.2	0.6	< 0.1	0.2	< 0.05	0.3	< 0.001	3.3	0.21	4.4	0.05	1.3	0.3	< 10
1127246	18.3	7.81	1.5	0.6	0.2	0.5	< 0.1	0.1	< 0.05	0.4	< 0.001	5.1	0.13	2.4	0.04	1.2	0.2	< 10
1127247	9.68	5.32	1.2	0.8	0.1	0.6	< 0.1	0.1	< 0.05	3.3	< 0.001	10.6	0.18	4.7	0.19	0.3	0.2	< 10
1127248	1.09	0.43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.5	< 0.001	22.6	< 0.02	7.8	0.35	< 0.1	< 0.1	< 10
1127249	9.35	3.75	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.0	0.09	13.0	0.13	0.9	0.1	30
1127250	12.2	5.27	1.0	0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.1	< 0.001	3.2	0.20	48.8	0.11	0.7	0.2	< 10
1127251	1.62	1.04	0.4	0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 0.5	< 0.02	3.4	< 0.02	< 0.1	< 0.1	< 10
1127252	4.81	2.91	0.6	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	15.7	< 0.001	17.0	0.47	21.4	3.09	< 0.1	0.3	10
1127253	4.57	3.09	1.2	0.4	0.2	1.0	0.2	0.2	< 0.05	0.5	0.003	4.1	< 0.02	1.4	0.14	0.2	< 0.1	< 10
1127254	10.7	6.97	2.5	1.0	0.5	2.1	0.3	0.2	< 0.05	9.3	0.002	10.2	< 0.02	1.4	0.23	0.5	0.1	< 10
1127255	12.6	7.91	2.4	0.9	0.5	2.3	0.3	0.2	< 0.05	6.3	0.003	2.9	< 0.02	1.1	0.12	0.6	< 0.1	< 10
1127256	7.52	5.01	1.7	0.5	0.3	1.3	0.2	0.2	< 0.05	120	0.003	11.9	< 0.02	3.2	1.27	0.4	0.1	130
1127257	19.7	8.98	2.1	0.6	0.3	1.0	0.1	0.1	< 0.05	1.1	< 0.001	2.0	0.17	3.1	0.19	1.2	0.2	20
1127258	37.2	19.6	3.1	1.0	0.3	0.6	< 0.1	0.3	< 0.05	0.5	< 0.001	< 0.5	0.16	2.5	0.09	1.7	0.4	< 10
1127259	13.1	6.55	1.1	1.0	0.1	0.3	< 0.1	< 0.1	< 0.05	5.7	< 0.001	206	< 0.02	0.8	0.37	0.3	< 0.1	< 10
1127260	22.4	12.4	3.1	1.0	0.4	1.4	0.2	0.2	< 0.05	5.2	0.002	55.1	0.74	1.8	0.44	1.4	0.2	60
1127261	14.4	7.36	1.4	0.6	0.2	0.7	0.1	< 0.1	< 0.05	0.4	< 0.001	6.9	0.14	4.9	0.06	0.9	0.2	< 10
1127262	11.8	5.91	1.3	0.7	0.1	0.3	< 0.1	< 0.1	< 0.05	0.8	0.002	103	0.03	0.9	0.25	0.6	0.1	40
1127263	8.78	5.15	1.3	0.4	0.2	0.7	< 0.1	< 0.1	< 0.05	0.4	< 0.001	1.9	0.06	1.1	0.07	0.5	0.1	< 10
1127264	29.6	19.8	5.4	1.6	1.0	4.1	0.6	0.2	< 0.05	0.4	< 0.001	< 0.5	0.08	2.6	0.03	1.1	0.2	< 10
1127265	9.09	3.62	0.7	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.04	4.1	0.05	3.6	0.6	< 10
1127266	27.4	12.5	2.6	0.6	0.2	0.2	< 0.1	0.7	< 0.05	0.2	< 0.001	< 0.5	0.20	7.3	1.06	2.5	0.8	< 10
1127267	10.1	6.81	2.0	0.7	0.3	0.6	< 0.1	0.2	< 0.05	2.7	< 0.001	< 0.5	0.92	3.2	0.78	0.5	< 0.1	< 10
1127268	6.83	3.19	0.5	0.2	< 0.1	0.1	< 0.1	0.4	< 0.05	0.2	< 0.001	< 0.5	0.09	4.3	0.94	0.8	0.3	< 10
1127269	10.8	5.07	1.4	0.4	< 0.1	0.2	< 0.1	0.4	< 0.05	< 0.1	0.002	< 0.5	0.09	5.1	0.29	0.9	0.3	< 10
1127270	11.8	5.37	1.0	0.2	< 0.1	0.2	< 0.1	0.5	< 0.05	0.4	< 0.001	< 0.5	0.26	10.0	0.19	1.2	0.3	30
1127271	6.13	2.86	0.7	0.3	0.1	0.4	< 0.1	0.2	< 0.05	0.5	0.004	53.2	0.11	163	14.6	0.6	0.4	40
1127272	12.0	4.91	1.1	0.2	< 0.1	0.1	< 0.1	0.3	< 0.05	0.2	< 0.001	< 0.5	0.12	6.2	0.30	0.9	0.2	< 10
1127273	5.26	2.19	0.4	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	1.0	0.03	2.1	0.24	0.9	0.2	< 10
1127274	11.5	4.36	0.9	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.2	< 0.001	1.8	0.04	2.0	0.28	1.0	0.2	< 10
1127275	1.60	0.75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.3	0.004	0.7	< 0.02	0.7	0.07	< 0.1	< 0.1	< 10
1127276	22.0	10.2	1.5	0.4	0.2	0.5	< 0.1	0.3	< 0.05	1.0	0.040	5.8	0.08	1.8	0.05	1.3	0.2	< 10
1127277	19.6	8.50	1.7	0.8	0.2	0.4	< 0.1	0.1	< 0.05	0.7	< 0.001	16.8	0.05	1.0	0.08	1.1	0.1	30
1127278	14.1	5.65	0.8	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	0.6	0.001	2.2	0.07	1.1	0.04	1.2	0.1	20
1127279	10.4	4.69	0.9	0.5	0.1	0.8	0.1	< 0.1	< 0.05	0.5	< 0.001	4.0	0.27	3.3	0.19	0.8	0.2	40
1127280	10.4	4.57	0.8	0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.05	0.3	< 0.001	1.0	0.04	8.1	0.12	0.6	0.1	< 10
1127281	9.11	3.90	0.7	< 0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 0.5	0.11	3.0	0.11	0.6	0.1	< 10
1127282	12.5	5.45	1.2	0.4	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.3	< 0.001	1.8	0.11	5.2	0.22	0.6	0.1	< 10
1127283	17.5	8.16	1.3	0.3	0.1	0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	10.3	0.03	1.5	0.35	1.4	0.1	< 10
1127284	19.6	8.98	1.5	0.5	0.2	0.5	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.06	2.6	0.08	1.6	0.1	< 10
1127285	15.2	5.03	1.2	0.3	0.1	0.3	< 0.1	0.2	< 0.05	0.1	< 0.001	8.8	0.11	1.4	0.25	1.0	< 0.1	< 10
1127286	19.5	7.20	1.7	0.4	0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.0	0.05	1.2	0.17	0.9	0.1	< 10
1127287	24.1	11.0	2.0	0.6	0.2	0.9	0.1	0.2	< 0.05	< 0.1	< 0.001	6.1	0.18	1.4	0.19	2.0	0.1	< 10
1127288	16.0	6.73	1.2	0.3	0.2	0.9	0.1	< 0.1	< 0.05	0.1	< 0.001	12.5	0.05	10.6	0.29	1.6	< 0.1	< 10
1127289	10.2	3.22	0.6	0.2	0.1	0.6	< 0.1	0.5	< 0.05	< 0.1	< 0.001	5.3	0.05	1.8	0.68	1.6	0.2	< 10
1127290	28.1	8.06	1.3	0.3	0.1	0.3	< 0.1	0.3	< 0.05	0.4	< 0.001	6.6	0.06	1.9	0.26	1.5	0.2	< 10

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		14.1			0.039	0.16	4.96	0.034	0.043	0.11	0.08	172	438		369	12.6	25.7	193	325	37.3	17.8		5.5
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 922 (AQUA REGIA) Meas								0.063	0.383														
OREAS 922 (AQUA REGIA) Cert								0.063	0.386														
OREAS 923 (AQUA REGIA) Meas		21.9	0.6			1.34	2.68	0.059	0.681	0.37	0.36	31	43		816	5.67	21.8	33.9	4170	358	8.77		7.7
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 522 (Aqua Regia) Meas								0.085	2.478					0.14									
OREAS 522 (Aqua Regia) Cert								0.0890	2.59					0.146									
OREAS 907 (Aqua Regia) Meas								0.024	0.061					0.03									
OREAS 907 (Aqua Regia) Cert								0.0240	0.0660					0.0170									
Oreas 621 (Aqua Regia) Meas		6.6	0.5		0.153	0.32	1.49	0.035	4.687	0.32	1.39	10	32		455	3.21	28.2	26.1	3290	> 5000	10.0		75.4
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
OREAS 238 (Fire Assay) Meas	3190																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3180																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 263 (Aqua Regia) Meas								0.042	0.119														
OREAS 263 (Aqua Regia) Cert								0.0410	0.126														
Oreas 623 (Aqua Regia) Meas								0.044	9.104														
Oreas 623 (Aqua Regia) Cert								0.0400	8.75														
1127245 Orig		29.5	0.5	2	0.090	1.15	3.26	0.054	0.720	0.71	1.72	65	36	0.22	2480	8.44	12.3	17.5	25.6	98.2	10.7	< 0.1	0.3
1127245 Dup		30.8	0.6	2	0.096	1.20	3.36	0.054	0.722	0.73	1.79	68	37	0.22	2480	8.80	12.7	18.0	25.6	99.3	10.8	< 0.1	0.1
1127253 Orig	6																						
1127253 Dup	6																						
1127262 Orig	88																						
1127262 Dup	60																						
1127263 Orig		15.6	0.2	< 1	0.266	1.08	2.34	0.034	0.161	0.11	1.62	78	57	0.20	389	3.32	18.0	32.4	131	51.2	7.25	< 0.1	0.5
1127263 Dup		14.4	0.2	< 1	0.236	0.98	2.12	0.034	0.158	0.10	1.56	71	51	0.20	371	3.19	17.8	31.0	125	45.9	7.04	< 0.1	0.4
1127267 Orig	< 5																						
1127267 Dup	< 5																						

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127280 Orig		18.5	0.2	< 1	0.103	0.76	1.03	0.021	0.245	0.17	0.38	20	14	0.08	173	1.42	4.9	4.2	5.5	21.4	6.70	< 0.1	0.2
1127280 Dup		19.7	0.2	1	0.117	0.83	1.04	0.021	0.260	0.18	0.39	21	15	0.09	176	1.49	4.9	4.5	5.9	21.2	6.77	< 0.1	< 0.1
1127288 Orig	18																						
1127288 Dup	18																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.1	< 0.1	< 1	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	0.1	0.3	0.7	0.19	< 0.1	< 0.1
Method Blank								< 0.001	< 0.001					< 0.01									
Method Blank								< 0.001	< 0.001					< 0.01									

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		19.7	11.5	3.98		37.4											0.08	1.68				65.2	9.5
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	5.8	21.8	13.5	17.1	35.8	3.9	6.9	4.7						0.88	1.88	0.41	0.45	6.07	0.73		1.47	55.4	29.1
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 522 (Aqua Regia) Meas																							
OREAS 522 (Aqua Regia) Cert																							
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas	4.9		16.7	6.55	64.8	2.2								11.2	64.6	267	1.79	2.49	119		0.85		16.6
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
1127245 Orig	0.5	19.1	35.4	6.73	8.2	5.8	3.0	1.8	1.4	0.2	0.7	0.1	0.2	1.34	0.114	0.02	< 0.02	0.38	< 0.02	< 0.02	1.70	89.0	10.3
1127245 Dup	0.4	19.8	35.2	7.03	7.7	5.5	3.1	1.7	1.4	0.2	0.7	< 0.1	0.2	1.21	0.119	0.02	< 0.02	0.41	< 0.02	0.04	1.81	92.2	10.8
1127253 Orig																							
1127253 Dup																							
1127262 Orig																							
1127262 Dup																							
1127263 Orig	0.7	5.2	38.5	7.29	2.0	7.7	1.1	1.5	1.4	0.3	0.8	0.1	0.2	2.79	0.083	0.04	< 0.02	0.26	0.03	0.06	0.98	45.4	3.1
1127263 Dup	0.6	4.9	36.5	6.92	2.0	7.1	1.1	1.5	1.5	0.3	0.8	0.1	0.2	2.49	0.079	0.02	< 0.02	0.23	0.02	0.05	0.94	41.7	3.0
1127267 Orig																							
1127267 Dup																							

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127280 Orig	0.4	5.1	12.6	1.35	11.7	2.3	1.2	0.6	0.4	< 0.1	0.1	< 0.1	< 0.1	0.83	0.105	0.02	< 0.02	0.17	< 0.02	0.09	0.39	42.7	4.1
1127280 Dup	0.4	5.3	12.9	1.44	12.5	2.3	1.2	0.6	0.3	< 0.1	0.2	< 0.1	< 0.1	0.90	0.109	< 0.01	< 0.02	0.16	< 0.02	0.11	0.40	46.5	4.2
1127288 Orig																							
1127288 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.5	< 0.1	< 0.5	< 0.01	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	5.7	< 0.5
Method Blank																							
Method Blank																							

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	24.2											17.8		17.0	0.25	9.6	1.5	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 922 (AQUA REGIA) Meas																		
OREAS 922 (AQUA REGIA) Cert																		
OREAS 923 (AQUA REGIA) Meas	63.9	25.6	5.6		0.5			0.8		2.1			0.17	89.0	22.8	14.1	2.2	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 522 (Aqua Regia) Meas																		
OREAS 522 (Aqua Regia) Cert																		
OREAS 907 (Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert																		
Oreas 621 (Aqua Regia) Meas	38.5				0.3	0.6	< 0.1	1.6		1.0		1130	0.89	> 5000	3.86	5.0	1.6	3580
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
OREAS 238 (Fire Assay) Meas																		
OREAS 238 (Fire Assay) Cert																		
OREAS 238 (Fire Assay) Meas																		
OREAS 238 (Fire Assay) Cert																		
OREAS 263 (Aqua Regia) Meas																		
OREAS 263 (Aqua Regia) Cert																		
Oreas 623 (Aqua Regia) Meas																		
Oreas 623 (Aqua Regia) Cert																		
1127245 Orig	25.3	11.6	2.1	0.8	0.2	0.6	< 0.1	0.2	< 0.05	0.3	< 0.001	3.6	0.20	4.3	0.05	1.3	0.3	< 10
1127245 Dup	26.5	11.8	2.9	0.7	0.2	0.6	0.1	0.2	< 0.05	0.3	< 0.001	3.1	0.21	4.4	0.05	1.3	0.3	< 10
1127253 Orig																		
1127253 Dup																		
1127262 Orig																		
1127262 Dup																		
1127263 Orig	8.99	5.13	1.4	0.4	0.2	0.7	< 0.1	< 0.1	< 0.05	0.4	< 0.001	2.6	0.07	1.1	0.07	0.6	0.1	10
1127263 Dup	8.58	5.17	1.3	0.4	0.2	0.7	< 0.1	< 0.1	< 0.05	0.4	< 0.001	1.3	0.06	1.1	0.07	0.5	0.1	< 10
1127267 Orig																		
1127267 Dup																		

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127280 Orig	10.3	4.51	0.7	0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.05	0.3	< 0.001	1.0	0.03	8.0	0.12	0.6	0.1	< 10
1127280 Dup	10.5	4.62	0.9	0.1	< 0.1	< 0.1	< 0.1	0.3	< 0.05	0.3	< 0.001	0.9	0.04	8.3	0.12	0.6	0.1	< 10
1127288 Orig																		
1127288 Dup																		
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.8	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	< 10
Method Blank																		
Method Blank																		

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-11481**
Report Date: **06-Oct-20**
Date Submitted: **22-Sep-20**
Your Reference: **North Limb**

Hemlo Explorers Inc.
147 Brock Avenue
Timmins ON P4N 7N9
Canada

ATTN: Fraser Laschinger

CERTIFICATE OF ANALYSIS

50 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-10-05 15:57:50

REPORT **A20-11481**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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.: **A20-11481**
Report Date: **06-Oct-20**
Date Submitted: **22-Sep-20**
Your Reference: **North Limb**

Hemlo Explorers Inc.
147 Brock Avenue
Timmins ON P4N 7N9
Canada

ATTN: Fraser Laschinger

CERTIFICATE OF ANALYSIS

50 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)	2020-09-28 13:07:47

REPORT **A20-11481**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127301	< 5	2.8	< 0.1	4	0.034	0.05	0.33	0.008	3.020	0.19	0.04	3	9	< 0.01	37	3.04	5.6	14.4	36.2	8.3	1.41	< 0.1	12.4
1127302	< 5	23.2	0.1	8	0.254	0.65	2.57	0.053	2.566	0.24	1.38	42	26	0.04	129	3.14	144	37.7	92.2	10.3	9.23	< 0.1	30.6
1127303	9	16.1	0.1	7	0.069	0.43	1.16	0.055	0.940	0.18	0.51	29	18	0.03	157	2.71	18.1	7.1	33.7	8.1	4.53	< 0.1	40.3
1127304	27	15.5	< 0.1	4	0.050	0.65	0.68	0.048	5.663	0.09	0.30	43	16	0.05	62	5.25	28.9	56.9	3.4	13.0	3.63	< 0.1	2.1
1127305	30	68.0	0.2	7	0.023	3.17	6.32	0.054	6.019	0.44	2.93	432	75	0.28	1800	11.2	115	77.3	138	171	20.1	< 0.1	1.7
1127306	57	87.5	0.3	8	0.038	2.17	4.98	0.062	6.919	0.30	2.52	318	77	0.23	1580	11.5	125	113	185	205	16.1	< 0.1	1.6
1127307	36	24.0	< 0.1	5	0.041	0.86	1.41	0.062	5.316	0.08	0.56	73	65	0.12	187	6.56	41.3	47.8	61.0	18.7	4.93	< 0.1	2.0
1127308	15	11.4	< 0.1	5	0.064	0.47	1.00	0.048	5.864	0.10	0.80	73	61	0.16	117	5.64	35.9	31.0	60.3	11.6	4.64	< 0.1	1.3
1127309	41	8.9	< 0.1	4	0.071	0.45	0.71	0.048	4.073	0.15	0.48	75	14	0.21	84	5.71	37.1	49.9	17.7	13.6	7.05	< 0.1	2.2
1127310	< 5	27.5	0.1	6	0.049	1.06	1.28	0.038	0.023	0.18	0.90	42	48	0.18	281	2.02	8.5	26.2	6.1	60.7	10.0	< 0.1	1.0
1127311	< 5	23.3	< 0.1	8	0.028	0.61	0.79	0.018	0.305	0.05	0.38	37	95	0.12	314	1.75	12.7	39.5	64.0	291	4.69	< 0.1	1.5
1127312	< 5	13.0	0.2	7	0.064	0.57	0.94	0.036	0.058	0.07	0.98	28	33	0.13	376	1.49	6.5	16.1	15.9	28.0	6.75	< 0.1	1.2
1127313	< 5	46.6	0.2	5	0.059	1.63	2.48	0.057	0.171	0.77	0.65	115	240	0.31	572	4.55	24.5	87.0	67.2	95.7	12.4	< 0.1	1.3
1127314	< 5	4.8	< 0.1	5	0.028	0.21	0.43	0.022	0.425	0.06	0.86	17	56	0.09	326	1.30	7.5	19.5	7.7	29.1	2.74	< 0.1	4.0
1127419	< 5	25.9	0.2	16	0.057	0.78	1.08	0.023	0.399	0.11	0.26	43	169	0.11	350	1.86	9.2	25.3	34.8	392	7.58	< 0.1	1.2
1127420	< 5	34.7	0.5	32	0.043	0.94	2.12	0.023	0.820	0.17	1.67	49	253	0.17	470	2.69	20.4	119	26.7	151	9.89	< 0.1	5.8
1127421	< 5	43.4	< 0.1	8	0.052	0.97	1.31	0.025	0.661	0.13	0.31	69	249	0.19	601	3.41	25.9	146	44.4	201	9.16	< 0.1	2.8
1127422	< 5	22.4	< 0.1	5	0.067	0.92	1.40	0.013	0.914	0.11	0.29	49	102	0.21	377	2.81	20.6	52.5	49.1	187	6.55	< 0.1	1.4
1127423	< 5	28.1	< 0.1	8	0.046	0.90	1.49	0.023	0.603	0.20	0.21	40	152	0.12	379	2.63	24.0	98.3	52.7	340	6.71	< 0.1	1.7
1127424	< 5	25.9	< 0.1	9	0.055	0.87	1.39	0.026	0.601	0.16	0.52	52	147	0.16	441	2.53	19.5	84.4	33.1	107	6.82	< 0.1	2.0
1127425	< 5	18.7	0.2	12	0.077	0.53	1.24	0.024	1.031	0.14	0.60	36	74	0.11	322	2.53	15.7	52.1	50.1	78.3	6.66	< 0.1	1.7
1127426	< 5	54.3	0.3	10	0.043	1.77	2.26	0.037	0.244	0.11	0.78	93	427	0.21	590	3.96	27.0	135	74.7	313	12.9	< 0.1	1.7
1127427	< 5	50.3	0.7	10	0.043	1.82	3.14	0.040	0.374	0.09	2.01	99	320	0.22	540	3.64	23.4	92.5	74.7	1060	15.6	< 0.1	2.8
1127428	< 5	7.5	< 0.1	4	0.018	0.27	0.68	0.003	0.016	0.07	3.02	27	45	0.03	245	0.77	4.6	10.3	106	11.2	1.99	< 0.1	1.2
1127429	< 5	2.1	< 0.1	3	0.031	0.10	0.22	0.007	0.002	0.09	0.08	5	17	0.02	107	0.67	0.9	1.6	3.3	13.6	2.20	< 0.1	1.1
1127430	< 5	2.9	< 0.1	4	0.035	0.25	0.41	0.008	0.008	0.04	8.48	19	41	0.04	467	0.72	3.8	9.3	9.5	7.3	0.89	< 0.1	0.2
1127431	< 5	3.5	< 0.1	4	0.022	0.14	0.19	0.002	0.002	0.02	0.30	18	51	0.03	133	0.69	2.6	5.9	36.0	4.3	0.78	< 0.1	0.7
1127432	< 5	45.1	< 0.1	6	0.194	1.45	3.35	0.040	1.323	0.81	1.60	385	70	0.52	873	7.77	70.1	101	166	600	15.8	< 0.1	2.1
1127433	< 5	58.8	< 0.1	6	0.128	1.66	4.29	0.039	0.680	2.57	1.01	521	85	0.82	1120	9.78	63.8	70.5	144	275	21.3	0.2	1.7
1127291	6	5.5	< 0.1	4	0.130	0.71	1.09	0.085	1.194	0.12	1.59	59	50	0.36	277	3.77	29.6	36.0	124	18.1	4.58	< 0.1	1.4
1127292	< 5	10.8	< 0.1	3	0.081	0.56	0.89	0.038	0.104	0.60	0.23	27	12	0.15	182	1.66	4.6	8.1	12.8	18.4	4.35	< 0.1	0.5
1127293	120	3.0	0.3	3	0.144	0.60	1.41	0.121	3.272	0.10	1.84	111	14	0.44	369	6.27	29.7	21.6	306	128	7.84	< 0.1	3.8
1127294	< 5	8.5	0.1	3	0.163	1.02	1.24	0.113	0.574	0.29	1.97	167	17	0.62	618	7.64	22.4	13.7	37.7	77.7	11.2	< 0.1	1.1
1127295	< 5	7.6	< 0.1	4	0.051	0.27	0.58	0.015	0.027	0.32	0.28	14	21	0.10	181	1.20	4.6	5.1	2.6	27.1	3.06	< 0.1	1.1
1127296	7	11.6	0.1	4	0.185	0.97	1.37	0.080	2.130	0.08	2.05	65	45	0.18	561	6.02	53.4	103	232	47.1	5.76	< 0.1	1.2
1127297	< 5	4.0	< 0.1	3	0.020	0.22	0.37	0.005	0.030	0.15	0.02	7	25	0.01	110	1.01	1.4	2.1	6.2	17.0	2.38	< 0.1	1.1
1127298	< 5	0.5	< 0.1	3	0.009	0.02	0.03	0.001	0.016	< 0.01	0.01	2	31	< 0.01	57	0.70	0.4	0.9	2.6	2.7	0.46	< 0.1	0.9
1127299	< 5	3.9	< 0.1	4	0.032	0.06	0.40	0.010	0.044	0.20	1.73	5	16	< 0.01	375	0.63	2.3	1.7	5.6	11.0	1.30	< 0.1	1.2
1127300	7	10.5	< 0.1	22	0.063	0.24	0.54	0.059	0.119	0.27	0.38	12	14	0.05	121	1.13	3.4	4.1	5.8	35.0	2.89	< 0.1	1.0
1127401	< 5	5.8	< 0.1	4	0.053	0.11	0.47	0.007	0.029	0.15	0.51	7	19	0.02	116	0.72	2.4	3.4	5.6	18.2	2.47	< 0.1	0.8
1127402	< 5	39.1	< 0.1	4	0.101	1.46	2.15	0.038	0.023	0.09	1.12	223	43	0.45	775	4.86	32.4	34.1	44.6	89.9	12.4	< 0.1	1.3
1127403	< 5	26.1	0.3	4	0.086	0.99	1.30	0.099	0.173	0.06	1.71	82	179	0.36	385	2.60	31.5	62.8	91.2	22.5	7.53	< 0.1	1.5
1127404	< 5	17.2	< 0.1	4	0.087	0.56	0.80	0.016	0.013	0.04	0.51	71	42	0.20	297	1.69	12.0	16.1	28.7	40.4	5.13	< 0.1	1.0
1127405	< 5	16.5	< 0.1	5	0.091	0.76	0.99	0.021	0.600	0.10	0.57	65	30	0.20	388	2.41	13.4	16.7	23.6	100	7.36	< 0.1	2.2
1127406	< 5	13.8	< 0.1	5	0.070	0.84	1.18	0.021	0.580	0.05	0.88	81	32	0.22	493	3.16	17.9	20.6	23.1	57.0	8.47	< 0.1	3.2
1127407	< 5	17.1	< 0.1	4	0.124	0.68	0.85	0.022	0.136	0.02	0.19	61	19	0.15	236	1.84	2.9	3.8	15.3	33.4	6.14	< 0.1	1.2
1127408	21	25.0	0.1	4	0.043	0.80	1.05	0.025	16.29	0.07	0.90	66	23	0.13	376	15.3	39.7	27.6	19.9	2450	7.67	0.1	41.3
1127409	< 5	40.7	< 0.1	5	0.063	1.54	1.66	0.040	1.202	0.11	0.47	62	145	0.23	445	3.74	19.5	51.1	35.2	673	9.85	< 0.1	5.7
1127410	38	27.7	1.0	6	0.050	1.06	1.48	0.024	1.524	0.08	0.57	92	27	0.18	538	5.08	12.6	14.2	44.0	1660	12.4	< 0.1	10.5
1127411	266	13.8	< 0.1	4	0.020	0.49	1.02	0.014	16.80	0.06	0.16	64	17	0.17	185	15.4	138	51.3	109	169	8.96	0.1	11.4

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127301	0.9	4.5	5.3	0.70	5.6	0.4	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	< 0.1	5.40	0.145	0.02	< 0.02	< 0.05	0.02	< 0.02	0.27	34.6	2.3
1127302	3.5	8.8	113	6.56	11.8	4.9	3.4	2.2	1.7	0.3	0.7	< 0.1	< 0.1	1.23	0.111	0.03	< 0.02	0.08	0.20	0.63	1.93	50.0	13.6
1127303	2.1	6.4	27.3	3.25	5.0	2.6	1.1	0.7	0.6	0.1	0.3	< 0.1	0.2	0.91	0.292	0.01	< 0.02	0.08	0.08	0.38	1.41	41.2	5.1
1127304	1.6	3.0	12.1	5.16	25.8	4.9	1.5	1.0	1.0	0.2	0.5	< 0.1	0.2	0.57	0.175	< 0.01	< 0.02	0.08	< 0.02	0.40	0.43	10.2	5.2
1127305	6.4	11.9	19.7	18.1	1.3	47.2	1.8	3.3	3.7	0.7	2.2	0.3	0.1	0.50	3.55	0.12	0.07	0.50	< 0.02	2.76	3.29	29.9	4.2
1127306	6.5	10.1	16.1	16.0	3.0	25.8	2.3	3.6	3.4	0.6	1.8	0.3	< 0.1	0.91	4.85	0.10	0.04	0.32	0.04	3.65	1.86	25.7	4.9
1127307	0.9	4.4	27.2	6.83	9.6	8.0	1.0	1.1	1.2	0.2	0.7	0.1	0.4	0.58	0.505	0.01	< 0.02	0.17	0.04	0.60	0.46	21.6	3.5
1127308	1.2	3.9	37.6	6.15	7.1	7.3	1.3	1.1	1.2	0.2	0.7	0.1	0.7	0.52	0.141	0.02	< 0.02	0.38	0.03	0.41	0.49	12.6	5.6
1127309	2.5	5.4	54.3	3.95	3.9	4.5	1.1	0.9	0.8	0.1	0.4	< 0.1	0.6	1.38	0.471	< 0.01	< 0.02	0.12	0.05	0.50	0.39	21.5	6.6
1127310	0.4	6.4	30.9	3.37	8.6	3.7	2.9	1.2	0.8	0.1	0.3	< 0.1	0.2	0.97	0.028	0.03	< 0.02	0.33	< 0.02	< 0.02	0.61	28.2	10.8
1127311	0.7	1.9	11.9	2.91	5.2	4.3	1.3	0.9	0.6	0.1	0.3	< 0.1	0.2	10.8	0.266	0.53	< 0.02	0.21	< 0.02	0.03	0.26	14.8	4.6
1127312	0.7	2.5	33.7	3.16	6.1	2.4	3.0	1.3	0.7	0.1	0.3	< 0.1	0.2	0.98	0.279	0.02	< 0.02	0.23	< 0.02	< 0.02	0.29	21.3	12.2
1127313	1.2	17.7	13.1	6.53	15.5	14.4	4.4	2.3	1.5	0.2	0.7	< 0.1	0.4	1.31	0.205	0.12	0.04	0.94	< 0.02	0.08	1.29	184	14.7
1127314	0.7	2.3	18.4	2.74	2.2	1.2	1.0	0.6	0.5	< 0.1	0.3	< 0.1	0.6	2.03	0.139	0.09	< 0.02	0.24	0.03	0.08	0.16	10.6	4.1
1127419	0.9	4.0	8.9	4.02	11.8	5.1	2.4	1.2	0.9	0.1	0.4	< 0.1	0.1	12.8	1.44	2.05	< 0.02	0.25	< 0.02	0.04	0.58	18.4	10.3
1127420	0.9	6.6	41.5	5.31	4.7	5.6	2.3	1.2	1.0	0.2	0.5	< 0.1	0.3	1.81	0.261	0.71	< 0.02	0.37	0.03	0.03	1.23	21.0	10.2
1127421	0.8	4.9	9.8	4.61	7.0	7.9	2.0	1.4	1.1	0.2	0.5	< 0.1	0.2	1.82	0.162	0.47	0.02	0.37	< 0.02	< 0.02	1.16	35.3	7.5
1127422	0.9	3.2	9.1	3.86	7.3	6.6	2.3	1.4	1.0	0.2	0.4	< 0.1	0.3	1.75	0.251	0.77	< 0.02	0.49	0.03	< 0.02	0.50	22.4	8.3
1127423	0.9	7.0	6.5	3.66	5.4	3.6	2.0	1.3	0.9	0.2	0.4	< 0.1	0.2	1.13	0.259	0.93	< 0.02	0.22	< 0.02	< 0.02	0.98	27.2	7.1
1127424	0.6	6.3	13.7	5.02	6.2	6.5	2.5	1.5	1.2	0.2	0.6	< 0.1	0.3	0.97	0.172	0.17	< 0.02	0.31	< 0.02	< 0.02	0.79	27.6	9.8
1127425	0.8	4.8	11.2	4.10	5.2	3.7	2.3	1.2	0.9	0.1	0.4	< 0.1	0.1	1.00	0.292	0.18	< 0.02	0.28	< 0.02	0.03	0.74	25.4	9.7
1127426	0.8	5.6	9.1	9.09	6.6	12.5	2.9	2.1	1.9	0.3	0.9	0.1	0.2	2.52	0.593	0.66	0.03	0.53	< 0.02	0.06	0.71	16.7	10.3
1127427	0.7	4.0	9.9	7.89	9.7	12.0	2.5	1.9	1.7	0.3	0.8	0.1	0.1	1.25	0.707	2.24	0.05	0.76	< 0.02	0.11	0.51	14.5	8.9
1127428	0.6	3.9	17.6	0.79	0.2	2.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.82	0.086	< 0.01	< 0.02	0.06	< 0.02	< 0.02	0.33	53.3	< 0.5
1127429	0.7	5.4	5.0	0.82	3.0	0.4	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	2.86	0.025	0.02	< 0.02	0.12	0.03	< 0.02	0.33	14.2	1.8
1127430	0.7	2.3	20.7	1.81	0.3	3.6	< 0.1	0.2	0.3	< 0.1	0.2	< 0.1	0.1	1.72	0.008	0.02	< 0.02	0.07	< 0.02	< 0.02	0.28	19.0	< 0.5
1127431	0.6	0.8	1.9	0.86	0.1	3.0	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	2.49	0.032	< 0.01	< 0.02	0.06	< 0.02	< 0.02	0.10	9.1	< 0.5
1127432	1.4	29.2	23.6	15.2	2.7	39.2	1.6	3.0	3.2	0.6	1.6	0.2	0.2	0.77	0.308	1.09	0.09	0.76	< 0.02	0.05	2.13	84.2	3.8
1127433	1.4	125	28.4	18.5	2.5	52.7	1.8	3.4	3.8	0.7	2.0	0.3	0.2	0.80	0.153	0.29	0.11	0.92	< 0.02	0.05	8.75	83.9	4.3
1127291	3.4	3.3	16.5	7.07	3.4	6.4	1.6	1.3	1.3	0.3	0.8	0.1	1.5	1.00	0.384	0.02	0.02	0.33	0.17	0.16	0.14	12.9	5.6
1127292	0.7	16.0	24.7	3.07	10.8	2.3	1.2	0.8	0.6	0.1	0.3	< 0.1	0.3	0.89	0.036	< 0.01	< 0.02	0.20	< 0.02	< 0.02	1.75	143	4.9
1127293	2.1	2.3	19.0	20.5	4.0	11.0	1.8	3.0	3.6	0.7	2.5	0.4	1.9	6.08	0.850	0.10	0.04	1.35	0.25	0.19	0.32	26.6	4.7
1127294	1.0	16.6	6.6	26.9	7.1	14.3	2.3	4.4	4.9	0.9	2.9	0.4	1.4	14.8	0.178	0.06	0.07	1.21	0.03	0.06	1.74	78.3	5.9
1127295	0.5	10.8	13.2	1.66	3.0	1.2	0.8	0.6	0.3	< 0.1	0.2	< 0.1	0.2	1.80	0.024	0.03	< 0.02	0.12	< 0.02	< 0.02	0.89	55.8	3.3
1127296	1.8	2.1	11.9	9.98	2.0	8.4	3.1	2.3	1.9	0.3	1.0	0.1	0.6	0.52	0.338	0.03	0.03	0.40	0.18	0.38	0.25	12.9	9.0
1127297	0.7	7.3	1.9	0.20	0.6	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	2.45	0.049	< 0.01	< 0.02	0.07	< 0.02	0.02	0.58	26.5	0.6
1127298	0.8	0.3	0.8	0.04	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	3.21	0.004	< 0.01	< 0.02	0.06	< 0.02	< 0.02	0.04	2.6	< 0.5
1127299	0.6	4.3	54.9	3.17	7.1	0.8	1.4	1.0	0.7	0.1	0.3	< 0.1	< 0.1	1.61	0.121	0.12	< 0.02	0.06	< 0.02	0.04	0.31	57.8	5.0
1127300	0.8	9.9	16.3	1.96	9.5	1.1	1.5	0.7	0.4	< 0.1	0.2	< 0.1	0.2	1.19	0.121	0.02	< 0.02	0.10	< 0.02	0.03	1.47	60.0	5.7
1127401	0.6	4.4	13.1	1.17	6.8	0.5	1.2	0.5	0.2	< 0.1	< 0.1	< 0.1	< 0.1	1.43	0.045	0.01	< 0.02	< 0.05	< 0.02	< 0.02	0.42	33.6	5.2
1127402	0.7	8.9	9.1	12.9	2.3	15.6	0.9	2.0	2.4	0.5	1.5	0.2	0.3	0.49	0.042	0.05	0.03	0.42	< 0.02	< 0.02	0.77	21.1	2.3
1127403	1.0	1.1	8.8	10.5	10.8	5.8	4.3	2.5	2.1	0.4	1.1	0.2	0.3	0.24	0.047	0.02	< 0.02	0.38	0.02	0.05	0.11	17.8	16.0
1127404	0.6	3.0	7.3	5.48	18.7	5.0	1.3	1.1	1.0	0.2	0.6	< 0.1	0.3	1.25	0.018	0.06	< 0.02	0.20	< 0.02	< 0.02	0.52	17.6	5.1
1127405	0.8	8.8	17.8	4.64	4.4	5.6	1.2	1.0	0.9	0.2	0.5	< 0.1	0.4	0.99	0.775	0.10	< 0.02	0.30	0.04	0.03	1.22	32.1	4.6
1127406	0.9	2.8	36.8	4.93	3.1	5.2	1.0	0.9	0.8	0.2	0.6	< 0.1	0.3	0.96	0.146	0.06	< 0.02	0.27	0.10	0.05	0.71	24.9	4.0
1127407	0.6	0.5	4.6	2.07	5.2	4.0	0.8	0.5	0.4	< 0.1	0.2	< 0.1	0.2	1.02	0.086	0.02	< 0.02	0.20	< 0.02	< 0.02	0.09	5.9	2.6
1127408	2.2	1.9	4.3	5.92	11.1	6.5	1.0	1.2	1.1	0.2	0.7	< 0.1	0.4	1.80	1.80	7.61	0.03	0.34	0.14	0.05	0.23	5.8	3.3
1127409	0.7	6.4	6.0	5.77	10.1	4.8	2.4	1.5	1.2	0.2	0.6	< 0.1	0.2	0.73	17.4	2.05	< 0.02	0.44	0.04	< 0.02	0.49	19.4	8.4
1127410	0.9	2.9	6.0	9.41	7.3	10.6	1.0	1.6	1.7	0.4	1.0	0.1	0.1	1.80	1.71	4.75	0.03	0.31	0.07	< 0.02	0.28	19.3	3.0
1127411	1.2	3.3	2.9	3.04	3.6	5.0	0.5	0.5	0.5	0.1	0.3	< 0.1	0.4	1.44	2.44	0.28	0.03	0.45	0.17	0.21	0.42	4.3	1.5

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127301	5.18	2.14	0.5	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	1.4	0.03	3.9	0.54	0.5	0.1	70
1127302	29.6	13.3	2.4	0.7	0.3	0.6	< 0.1	0.3	< 0.05	< 0.1	< 0.001	2.5	0.10	2.0	0.13	1.5	0.1	60
1127303	10.3	3.84	0.8	0.2	< 0.1	0.3	< 0.1	0.1	< 0.05	0.2	< 0.001	19.5	0.04	3.5	0.16	1.4	< 0.1	60
1127304	11.8	5.84	1.2	0.3	0.1	0.5	< 0.1	0.7	< 0.05	< 0.1	< 0.001	15.5	< 0.02	1.4	0.26	1.4	0.1	50
1127305	12.3	9.05	2.8	0.8	0.6	2.2	0.3	< 0.1	< 0.05	0.3	0.002	27.2	0.14	12.2	0.49	0.4	< 0.1	50
1127306	14.9	11.4	2.9	0.8	0.6	1.7	0.2	< 0.1	< 0.05	0.4	0.004	51.5	0.14	13.8	0.59	0.5	< 0.1	80
1127307	8.16	3.75	0.9	0.3	0.2	0.8	0.1	0.3	< 0.05	0.3	< 0.001	49.6	0.02	1.5	0.22	1.2	0.1	70
1127308	11.8	5.27	1.0	0.4	0.2	0.7	< 0.1	0.2	< 0.05	0.1	< 0.001	12.9	0.03	1.5	0.27	1.2	0.1	60
1127309	11.1	4.13	0.8	0.3	0.1	0.4	< 0.1	0.1	< 0.05	1.9	< 0.001	42.3	0.03	2.1	0.54	1.2	< 0.1	50
1127310	25.2	11.4	2.1	0.4	0.2	0.3	< 0.1	0.3	< 0.05	0.4	< 0.001	1.1	0.03	5.6	0.03	1.6	0.3	50
1127311	10.8	5.11	0.8	0.2	0.1	0.3	< 0.1	0.1	< 0.05	0.2	< 0.001	< 0.5	< 0.02	18.7	0.44	0.7	0.1	60
1127312	27.2	11.7	1.9	0.5	0.1	0.2	< 0.1	0.2	< 0.05	0.2	< 0.001	0.9	< 0.02	4.5	0.07	1.7	0.3	40
1127313	36.0	17.0	3.2	0.4	0.3	0.6	< 0.1	0.4	< 0.05	0.4	< 0.001	1.7	0.20	8.9	0.26	3.8	0.7	50
1127314	9.01	3.97	0.7	0.2	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.2	< 0.02	2.6	0.09	0.5	0.1	70
1127419	23.2	9.25	1.6	0.3	0.1	0.4	< 0.1	0.3	< 0.05	0.1	0.004	< 0.5	0.28	787	0.14	2.3	0.5	70
1127420	21.8	8.75	1.5	0.5	0.2	0.5	< 0.1	0.2	< 0.05	0.2	< 0.001	1.8	0.25	71.4	0.07	1.2	0.2	60
1127421	17.8	8.05	1.5	0.2	0.2	0.4	< 0.1	0.2	< 0.05	0.1	< 0.001	< 0.5	0.10	113	0.09	1.2	0.2	40
1127422	19.7	8.47	1.8	0.3	0.2	0.3	< 0.1	0.2	< 0.05	0.1	< 0.001	0.9	0.12	115	0.13	1.6	0.2	50
1127423	17.1	7.56	1.4	0.3	0.2	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.26	206	0.19	1.3	0.2	40
1127424	22.5	9.47	1.8	0.4	0.2	0.4	< 0.1	0.2	< 0.05	0.1	< 0.001	< 0.5	0.09	6.7	0.08	1.5	0.2	50
1127425	21.4	9.03	1.5	0.4	0.2	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.07	8.1	0.10	1.4	0.2	70
1127426	24.2	11.4	2.6	0.6	0.3	0.9	0.1	0.2	< 0.05	0.1	< 0.001	< 0.5	0.08	125	0.55	1.6	0.2	70
1127427	21.9	10.0	2.0	0.6	0.3	0.7	< 0.1	0.3	< 0.05	0.3	< 0.001	0.9	0.04	196	1.12	1.6	0.3	70
1127428	0.40	0.20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.02	0.7	< 0.02	< 0.1	< 0.1	40
1127429	4.19	1.67	0.3	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	1.7	< 0.02	2.6	0.08	0.5	0.1	40
1127430	0.62	0.41	0.1	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.4	< 0.02	0.4	< 0.02	< 0.1	< 0.1	60
1127431	0.58	0.40	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	0.3	< 0.02	< 0.1	< 0.1	60
1127432	10.7	7.79	2.3	0.7	0.5	1.5	0.2	0.1	< 0.05	1.0	0.002	2.0	0.29	4.2	0.10	0.5	< 0.1	50
1127433	12.4	8.70	2.7	0.8	0.6	1.8	0.2	0.1	< 0.05	0.7	0.002	1.9	1.10	2.5	0.41	0.4	0.1	50
1127291	13.8	6.55	1.1	0.4	0.2	0.8	0.1	0.2	< 0.05	0.4	< 0.001	5.3	0.02	1.3	0.06	0.6	< 0.1	50
1127292	11.1	4.54	0.6	0.2	0.1	0.2	< 0.1	0.4	< 0.05	0.3	< 0.001	1.3	0.09	0.6	0.05	0.5	0.1	50
1127293	13.0	8.43	2.2	0.6	0.6	2.7	0.4	0.2	< 0.05	1.5	< 0.001	89.3	0.03	0.6	0.09	0.5	< 0.1	40
1127294	17.0	11.7	3.6	1.0	0.8	2.9	0.4	0.3	< 0.05	0.6	0.003	5.1	0.10	0.6	0.12	1.1	0.1	40
1127295	7.06	2.93	0.6	0.2	< 0.1	0.1	< 0.1	0.1	< 0.05	0.6	< 0.001	< 0.5	0.06	0.5	0.05	0.3	< 0.1	60
1127296	24.3	13.2	2.1	0.6	0.3	0.8	0.1	< 0.1	< 0.05	0.7	< 0.001	8.0	0.02	1.1	0.47	1.1	0.1	40
1127297	1.20	0.44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.2	0.04	0.5	0.11	< 0.1	< 0.1	40
1127298	0.25	0.11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.5	< 0.02	0.1	< 0.02	< 0.1	< 0.1	50
1127299	12.7	5.52	1.3	0.6	0.1	0.2	< 0.1	0.2	< 0.05	0.2	< 0.001	5.6	0.02	2.2	0.06	0.9	0.2	50
1127300	12.9	5.10	1.0	0.3	< 0.1	0.1	< 0.1	0.3	< 0.05	0.2	< 0.001	6.7	0.06	1.6	0.06	0.6	0.1	30
1127401	11.4	4.21	0.6	0.2	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.1	< 0.001	1.3	0.02	2.0	< 0.02	0.8	0.1	30
1127402	6.59	4.49	1.3	0.5	0.4	1.5	0.2	0.1	< 0.05	0.2	< 0.001	< 0.5	0.02	1.2	< 0.02	0.3	< 0.1	60
1127403	37.1	16.7	3.1	0.7	0.4	1.1	0.2	0.3	< 0.05	0.3	< 0.001	3.9	< 0.02	2.3	0.16	2.0	0.3	40
1127404	11.3	5.49	1.0	0.3	0.2	0.6	< 0.1	0.6	< 0.05	0.2	< 0.001	< 0.5	< 0.02	5.1	0.03	1.4	0.7	50
1127405	10.3	4.55	0.9	0.4	0.1	0.5	< 0.1	0.2	< 0.05	0.3	< 0.001	2.4	0.04	16.4	0.06	0.8	0.2	30
1127406	9.04	4.12	1.0	0.3	0.1	0.5	< 0.1	0.2	< 0.05	0.3	< 0.001	1.4	< 0.02	6.1	0.06	0.7	0.2	30
1127407	6.56	3.15	0.5	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	0.2	< 0.001	1.7	< 0.02	32.7	0.04	0.8	0.2	30
1127408	8.61	4.61	1.0	0.3	0.2	0.6	< 0.1	0.4	< 0.05	0.2	< 0.001	23.6	0.07	1080	0.16	1.1	0.3	50
1127409	20.5	9.83	1.5	0.5	0.2	0.6	< 0.1	0.3	< 0.05	0.3	< 0.001	3.5	0.12	718	0.10	2.1	0.5	20
1127410	6.63	4.71	1.5	0.4	0.3	0.8	0.1	0.3	< 0.05	0.3	< 0.001	14.4	0.09	1850	0.05	0.5	0.2	70
1127411	3.70	1.91	0.6	0.2	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	0.9	2.09	63.3	0.55	0.5	0.1	50

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		16.0			0.036	0.19	6.52	0.030	0.043	0.12	0.10	197	495		432	13.6	28.1	200	366	36.3	20.2		6.0
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 922 (AQUA REGIA) Meas								0.056	0.396														
OREAS 922 (AQUA REGIA) Cert								0.063	0.386														
OREAS 923 (AQUA REGIA) Meas		23.1	0.7			1.53	3.41	0.052	0.695	0.40	0.41	30	43		851	5.83	22.0	33.8	4640	328	8.63		7.5
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 907 (Aqua Regia) Meas		4.5	1.0		0.079	0.19	1.18	0.022	0.066	0.26	0.22	6	9	0.03	339	9.31	42.2	4.3	6110	147	15.8		36.1
OREAS 907 (Aqua Regia) Cert		4.05	0.870		0.0860	0.221	0.945	0.0240	0.0660	0.286	0.280	5.12	8.59	0.0170	330	8.18	43.7	4.74	6370	139	14.7		37.0
Oreas 621 (Aqua Regia) Meas		7.2	0.4		0.186	0.45	1.81	0.029	4.538	0.33	1.54	10	29		487	3.27	26.9	23.1	3490	> 5000	9.96		70.6
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
OREAS 263 (Aqua Regia) Meas		20.4	1.4		0.070	0.56	1.71	0.038	0.122	0.35	0.92	24	54		504	3.77	32.6	72.7	91.3	123	3.61		29.0
OREAS 263 (Aqua Regia) Cert		20.1	1.22		0.0790	0.593	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8
Oreas 623 (Aqua Regia) Meas		8.2	0.3		0.066	1.03	1.72	0.037	8.538	0.17	0.94	14	18		533	12.3	216	14.7	> 10000	> 5000	13.2		73.2
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas E1336 (Fire Assay) Meas	526																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	527																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 254b Fire Assay Meas	2590																						
OREAS 254b Fire Assay Cert	2530																						
OREAS 254b Fire Assay Meas	2560																						
OREAS 254b Fire Assay Cert	2530																						
1127306 Orig		93.0	0.4	9	0.037	2.36	5.27	0.063	7.039	0.31	2.70	339	83	0.24	1700	12.2	133	121	195	220	17.1	< 0.1	1.8
1127306 Dup		82.0	0.3	8	0.038	1.98	4.69	0.061	6.798	0.29	2.34	297	71	0.22	1460	10.8	117	106	174	191	15.1	< 0.1	1.4
1127310 Orig	< 5																						
1127310 Dup	< 5																						
1127424 Orig	< 5																						
1127424 Dup	< 5																						
1127428 Orig		7.4	< 0.1	4	0.018	0.26	0.68	0.003	0.016	0.07	2.92	27	45	0.03	244	0.77	4.6	10.1	101	11.9	1.97	< 0.1	1.2

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127428 Dup		7.7	< 0.1	4	0.019	0.27	0.67	0.003	0.016	0.08	3.12	28	45	0.03	247	0.78	4.6	10.5	111	10.4	2.02	< 0.1	1.2
1127291 Orig	6																						
1127291 Dup	6																						
1127402 Orig		38.3	< 0.1	3	0.103	1.40	2.14	0.038	0.023	0.10	1.17	226	44	0.46	749	4.81	32.0	34.0	44.4	89.3	12.5	< 0.1	1.4
1127402 Dup		39.8	< 0.1	4	0.098	1.51	2.16	0.038	0.024	0.09	1.08	221	43	0.45	800	4.92	32.8	34.3	44.8	90.6	12.3	< 0.1	1.2
1127406 Orig	< 5																						
1127406 Dup	< 5																						
1127411 Orig	266	13.8	< 0.1	4	0.020	0.49	1.02	0.014	16.80	0.06	0.16	64	17	0.17	185	15.4	138	51.3	109	169	8.96	0.1	11.4
1127411 Split PREP DUP	363	13.6	< 0.1	4	0.014	0.38	1.03	0.014	17.07	0.05	0.13	66	18	0.18	218	19.8	152	45.6	121	170	9.24	0.1	11.6
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.1	< 0.1	4	0.005	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.2	0.13	< 0.1	0.3

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		21.5	12.1	4.55		42.0											0.09	1.87				75.6	10.8
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	6.5	21.4	13.6	17.9	25.2	3.9	7.0	4.2						0.84	1.54	0.40	0.43	6.26	0.68		1.65	59.0	31.1
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 907 (Aqua Regia) Meas	9.8	18.5	12.5	6.96	38.2	2.3	7.7	4.0	1.6	0.2	0.5	< 0.1		5.59	1.35	0.54	2.38	2.57	2.11	0.20	1.33	213	35.2
OREAS 907 (Aqua Regia) Cert	9.05	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1
Oreas 621 (Aqua Regia) Meas	4.7		17.8	6.80	53.1	2.5								12.6	62.1	265	1.63	2.50	104		0.91		18.1
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
OREAS 263 (Aqua Regia) Meas			17.7	12.2		3.6		4.1	2.6	0.4	1.1			0.56	0.293	0.26	0.03		7.22	0.17		171	
OREAS 263 (Aqua Regia) Cert			16.9	12.0		3.52		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175	
Oreas 623 (Aqua Regia) Meas	19.4		12.5	7.68	50.2	4.5								7.69	19.3	51.6	1.86	3.82	20.5	0.61	0.73		16.4
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 254b Fire Assay Meas																							
OREAS 254b Fire Assay Cert																							
OREAS 254b Fire Assay Meas																							
OREAS 254b Fire Assay Cert																							
1127306 Orig	6.8	10.6	18.5	17.1	3.0	27.5	2.4	3.9	3.7	0.7	2.0	0.3	< 0.1	0.94	4.82	0.08	0.04	0.35	0.05	3.72	1.95	26.9	5.3
1127306 Dup	6.2	9.7	13.7	14.9	2.9	24.0	2.1	3.3	3.1	0.6	1.6	0.2	< 0.1	0.88	4.87	0.13	0.04	0.29	0.04	3.58	1.77	24.5	4.5
1127310 Orig																							
1127310 Dup																							
1127424 Orig																							
1127424 Dup																							
1127428 Orig	0.5	3.8	17.2	0.77	0.3	2.0	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.87	0.085	0.02	< 0.02	0.06	< 0.02	< 0.02	0.33	51.9	< 0.5

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127428 Dup	0.7	4.0	18.0	0.80	0.2	2.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.77	0.086	< 0.01	< 0.02	0.06	< 0.02	< 0.02	0.34	54.8	< 0.5
1127291 Orig																							
1127291 Dup																							
1127402 Orig	0.7	8.9	8.8	12.9	2.2	15.7	0.9	2.0	2.4	0.5	1.5	0.2	0.2	0.49	0.045	0.03	0.03	0.43	< 0.02	< 0.02	0.75	22.0	2.3
1127402 Dup	0.6	8.9	9.4	12.9	2.3	15.4	0.9	2.1	2.4	0.5	1.6	0.2	0.3	0.50	0.040	0.08	0.04	0.42	< 0.02	< 0.02	0.79	20.1	2.3
1127406 Orig																							
1127406 Dup																							
1127411 Orig	1.2	3.3	2.9	3.04	3.6	5.0	0.5	0.5	0.5	0.1	0.3	< 0.1	0.4	1.44	2.44	0.28	0.03	0.45	0.17	0.21	0.42	4.3	1.5
1127411 Split PREP DUP	1.3	3.4	2.9	3.02	3.4	4.5	0.5	0.6	0.6	0.1	0.3	< 0.1	0.4	1.42	2.37	0.34	0.03	0.45	0.17	0.18	0.44	4.5	1.6
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.7	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	1.9	< 0.5

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	26.3											19.2		17.5	0.25	10.9	1.5	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 922 (AQUA REGIA) Meas																		
OREAS 922 (AQUA REGIA) Cert																		
OREAS 923 (AQUA REGIA) Meas	63.3	25.6	4.6		0.6			0.7		1.9			0.15	82.5	19.4	15.4	2.0	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 907 (Aqua Regia) Meas	72.3	28.6	5.2	1.0	0.4	0.3	< 0.1	1.0		1.0		115	0.13	35.1	22.7	8.9	2.3	
OREAS 907 (Aqua Regia) Cert	73.0	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15	
Oreas 621 (Aqua Regia) Meas	37.2				0.3	0.6	< 0.1	1.5		0.9		1280	0.74	> 5000	3.93	5.9	1.6	3030
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
OREAS 263 (Aqua Regia) Meas			4.9	0.8	0.5	1.0							0.54	36.1	0.56	12.0	1.3	170
OREAS 263 (Aqua Regia) Cert			4.41	0.850	0.500	0.990							0.530	34.0	0.570	10.6	1.28	170
Oreas 623 (Aqua Regia) Meas	34.5				0.3	0.8	0.1	1.5		2.4		821	0.25	2450	17.0	4.7	1.4	610
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas E1336 (Fire Assay) Meas																		
Oreas E1336 (Fire Assay) Cert																		
Oreas E1336 (Fire Assay) Meas																		
Oreas E1336 (Fire Assay) Cert																		
OREAS 254b Fire Assay Meas																		
OREAS 254b Fire Assay Cert																		
OREAS 254b Fire Assay Meas																		
OREAS 254b Fire Assay Cert																		
1127306 Orig	16.3	12.4	3.4	0.8	0.6	1.9	0.3	< 0.1	< 0.05	0.4	0.004	52.1	0.14	14.4	0.61	0.5	< 0.1	90
1127306 Dup	13.6	10.4	2.5	0.7	0.5	1.6	0.2	< 0.1	< 0.05	0.4	0.004	51.0	0.14	13.2	0.57	0.5	< 0.1	70
1127310 Orig																		
1127310 Dup																		
1127424 Orig																		
1127424 Dup																		
1127428 Orig	0.40	0.18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.02	0.7	< 0.02	< 0.1	< 0.1	40

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127428 Dup	0.40	0.22	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.9	0.02	0.6	0.02	< 0.1	< 0.1	40
1127291 Orig																		
1127291 Dup																		
1127402 Orig	6.64	4.55	1.3	0.5	0.4	1.5	0.2	0.1	< 0.05	0.2	< 0.001	1.5	0.02	1.2	< 0.02	0.3	< 0.1	70
1127402 Dup	6.54	4.42	1.3	0.5	0.3	1.5	0.2	0.1	< 0.05	0.2	< 0.001	< 0.5	0.03	1.2	< 0.02	0.3	< 0.1	50
1127406 Orig																		
1127406 Dup																		
1127411 Orig	3.70	1.91	0.6	0.2	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	0.9	2.09	63.3	0.55	0.5	0.1	50
1127411 Split PREP DUP	4.02	2.10	0.5	0.2	< 0.1	0.4	< 0.1	0.1	< 0.05	0.1	< 0.001	1.7	2.13	65.1	0.55	0.5	0.1	40
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.2	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	90

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-12289**
Report Date: **26-Nov-20**
Date Submitted: **06-Oct-20**
Your Reference: **NL**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

26 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)	2020-11-04 21:41:14

REPORT **A20-12289**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A20-12289**
Report Date: **26-Nov-20**
Date Submitted: **06-Oct-20**
Your Reference: **NL**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

26 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-10-23 15:22:00

REPORT **A20-12289**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127434	< 5	30.7	0.2	6	0.100	1.10	1.53	0.039	0.103	0.39	0.78	44	101	0.20	394	2.92	6.0	18.5	39.6	73.1	8.07	< 0.1	1.1
1127435	< 5	36.9	0.2	7	0.088	1.13	1.33	0.055	0.482	0.25	0.70	60	167	0.23	355	4.14	15.7	63.4	82.7	109	8.82	< 0.1	0.7
1127436	< 5	2.9	< 0.1	5	0.037	0.07	0.89	0.019	0.690	0.45	0.05	4	8	< 0.01	63	0.96	3.3	1.9	4.2	7.4	2.83	< 0.1	1.9
1127437	208	43.3	0.4	7	0.127	1.24	3.39	0.047	0.645	0.30	2.54	91	54	0.21	533	3.50	12.2	25.9	115	66.7	13.8	< 0.1	1.0
1127438	17	17.4	0.2	6	0.069	0.71	1.19	0.051	5.417	0.11	0.89	86	62	0.17	128	6.02	33.7	43.2	21.3	14.4	5.47	< 0.1	1.6
1127439	< 5	2.9	< 0.1	5	0.086	0.04	0.44	0.017	0.950	0.14	0.11	3	7	< 0.01	40	2.17	2.3	7.1	10.8	6.2	2.58	< 0.1	4.7
1127440	7	1.1	< 0.1	5	0.047	0.21	1.28	0.024	1.128	0.06	2.22	69	41	0.41	394	5.30	24.1	52.5	387	14.7	4.35	0.6	1.2
1127441	12	11.4	0.2	5	0.099	0.49	2.10	0.046	0.691	0.50	1.23	38	14	0.14	310	3.25	7.8	7.2	19.4	49.7	7.20	< 0.1	3.1
1127442	< 5	1.2	0.1	5	0.029	0.07	0.52	0.007	0.162	0.05	0.65	11	28	0.08	153	1.79	5.3	8.0	85.7	4.8	1.06	< 0.1	1.2
1127443	5	15.0	< 0.1	6	0.083	0.45	0.75	0.044	1.367	0.32	0.32	22	9	0.12	93	2.61	6.0	4.3	2.2	12.0	4.33	< 0.1	1.4
1127444	32	18.7	< 0.1	7	0.077	1.59	2.05	0.020	2.291	0.68	2.12	105	48	0.27	439	5.69	30.8	67.0	135	47.3	6.44	< 0.1	2.0
1127445	< 5	9.7	0.5	5	0.178	0.62	4.18	0.034	0.230	0.16	3.72	59	17	0.18	408	2.46	15.1	28.7	48.9	35.1	9.72	0.2	1.3
1127446	50	27.4	0.5	6	0.134	0.97	3.02	0.046	1.321	0.36	2.31	51	19	0.17	370	3.73	10.6	10.5	22.1	42.7	9.05	< 0.1	7.1
1127447	< 5	26.7	0.3	6	0.042	0.71	1.96	0.037	0.081	0.12	2.14	35	19	0.16	410	2.70	7.7	8.8	4.2	37.9	6.73	< 0.1	1.6
1127448	8	13.2	0.5	6	0.080	0.47	2.27	0.052	0.379	0.18	2.16	44	26	0.10	369	2.33	6.4	7.5	29.0	27.5	7.83	< 0.1	1.7
1127449	< 5	15.9	0.4	7	0.192	1.09	2.98	0.009	0.147	0.12	2.60	39	23	0.13	530	3.05	9.4	15.6	11.3	67.8	7.26	< 0.1	0.7
1127450	7	20.5	0.1	5	0.155	0.75	1.79	0.052	0.289	0.28	0.81	55	19	0.16	257	2.94	7.4	6.7	8.5	37.6	6.86	< 0.1	1.1
1127351	6	16.7	0.3	5	0.072	0.29	1.94	0.057	0.358	0.18	1.76	40	17	0.13	265	2.35	8.6	12.1	18.0	33.6	6.11	< 0.1	1.2
1127352	125	15.8	0.2	8	0.097	0.87	1.72	0.052	0.752	0.16	0.75	59	30	0.18	599	5.21	24.6	5.4	343	512	9.03	0.1	1.8
1127353	263	2.9	0.3	5	0.012	0.16	0.67	0.039	2.553	0.07	0.79	23	15	0.17	171	6.03	22.5	26.0	379	106	2.95	< 0.1	15.4
1127354	164	11.8	0.2	6	0.036	0.50	1.20	0.033	3.310	0.24	1.04	25	25	0.10	434	6.28	19.3	18.8	156	657	4.28	0.1	19.0
1127355	6	1.8	< 0.1	4	0.069	0.05	0.19	0.009	0.331	0.07	0.05	7	19	0.04	78	1.49	4.1	2.5	5.8	5.7	2.03	< 0.1	1.2
1127356	11	0.8	< 0.1	4	0.024	0.09	0.21	0.012	0.004	< 0.01	0.30	13	21	0.04	132	1.05	2.0	2.1	3.8	9.8	1.28	< 0.1	1.2
1127357	136	14.9	< 0.1	5	0.043	0.55	1.32	0.027	2.996	0.17	0.22	12	10	0.08	407	5.84	11.2	12.6	87.5	40.1	5.77	< 0.1	8.7
1127358	15	9.5	0.1	4	0.046	0.54	1.24	0.027	1.171	0.18	0.25	10	8	0.05	354	3.29	15.0	10.3	97.4	33.1	4.86	< 0.1	1.7
1127359	76	21.7	< 0.1	6	0.035	1.07	1.96	0.048	2.294	0.19	0.36	34	13	0.12	643	7.41	18.6	16.8	104	121	7.63	< 0.1	6.0

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127434	0.9	13.2	30.8	2.77	7.3	5.8	1.6	0.9	0.6	0.1	0.3	< 0.1	0.4	1.81	0.120	0.12	0.02	0.29	< 0.02	0.12	1.81	89.6	5.9
1127435	1.8	9.3	28.4	3.69	11.9	5.4	2.6	1.4	0.9	0.2	0.4	< 0.1	0.3	4.57	0.431	0.14	0.03	0.27	< 0.02	0.34	1.71	45.7	10.9
1127436	0.7	8.8	6.9	0.67	3.8	0.5	0.8	0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.09	0.099	< 0.01	< 0.02	< 0.05	< 0.02	0.02	0.56	91.0	2.7
1127437	1.7	7.1	35.4	6.47	10.7	10.0	4.0	2.4	1.6	0.3	0.7	< 0.1	0.2	1.77	0.981	0.08	0.16	0.58	< 0.02	2.89	0.93	100	14.9
1127438	1.7	4.7	44.1	6.33	7.7	13.7	1.2	1.3	1.3	0.3	0.9	0.1	0.5	0.69	0.267	0.03	< 0.02	0.17	0.06	0.37	0.30	19.1	4.2
1127439	1.2	4.2	36.5	0.65	8.7	0.4	1.1	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	6.68	0.175	< 0.01	< 0.02	< 0.05	< 0.02	0.03	0.44	49.3	5.3
1127440	4.7	2.7	17.7	4.59	6.0	9.1	0.3	0.7	0.9	0.2	0.6	< 0.1	0.9	4.33	0.385	0.07	< 0.02	0.25	0.04	1.64	0.27	12.7	0.8
1127441	1.3	14.5	68.9	4.26	12.9	3.0	1.8	1.1	0.9	0.2	0.5	< 0.1	0.5	1.74	0.254	0.11	< 0.02	0.22	0.07	0.55	0.87	92.5	7.2
1127442	1.8	5.1	6.0	0.67	0.9	1.4	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1	0.2	4.98	0.108	0.04	< 0.02	0.06	0.02	0.67	0.69	12.0	< 0.5
1127443	1.6	14.0	31.3	2.39	13.2	2.3	0.6	0.6	0.5	0.1	0.3	< 0.1	0.4	3.09	0.047	0.04	< 0.02	0.25	0.03	0.11	0.86	43.0	2.1
1127444	2.2	19.9	17.1	6.12	1.4	10.4	0.5	1.1	1.2	0.3	0.8	0.1	0.1	1.20	0.743	0.08	< 0.02	0.23	0.02	0.13	2.36	46.0	1.0
1127445	0.7	6.5	267	5.78	8.9	6.3	2.0	1.7	1.2	0.3	0.7	< 0.1	0.3	5.86	0.137	0.12	< 0.02	0.37	0.05	0.12	1.54	61.0	7.5
1127446	0.7	14.8	64.7	5.14	13.8	4.3	2.3	1.6	1.1	0.2	0.6	< 0.1	0.3	1.89	0.267	0.07	< 0.02	0.25	0.07	0.18	1.11	30.7	8.0
1127447	0.6	5.8	63.1	3.17	8.2	2.7	1.6	0.9	0.7	0.1	0.3	< 0.1	0.4	1.36	0.067	0.12	< 0.02	0.19	0.03	0.05	0.70	51.0	6.1
1127448	0.6	8.1	84.2	5.59	4.6	4.2	2.0	1.6	1.2	0.2	0.6	< 0.1	0.4	6.43	0.161	0.10	< 0.02	0.31	0.03	0.08	0.68	104	7.0
1127449	0.5	4.6	84.0	2.87	5.6	6.4	1.8	1.0	0.6	0.1	0.3	< 0.1	0.2	29.7	0.071	0.08	< 0.02	0.21	0.03	0.04	0.77	28.4	6.1
1127450	0.5	10.8	26.3	3.73	18.4	5.4	2.2	1.3	0.9	0.2	0.5	< 0.1	0.4	3.26	0.187	0.05	< 0.02	0.23	< 0.02	0.12	2.39	72.3	8.8
1127351	0.6	8.0	42.3	3.77	9.6	3.9	1.9	1.2	0.9	0.2	0.5	< 0.1	0.4	3.00	0.215	0.05	< 0.02	0.20	< 0.02	0.16	1.10	109	5.9
1127352	4.4	6.5	34.1	3.62	18.2	6.1	0.9	0.7	0.7	0.2	0.5	< 0.1	0.4	4.07	3.12	1.63	0.11	1.49	0.02	1.64	0.59	25.3	4.2
1127353	3.4	3.0	27.6	4.62	5.5	1.7	0.6	0.8	0.8	0.2	0.5	< 0.1	1.3	2.39	2.84	0.68	0.11	2.84	0.18	0.58	0.31	32.1	2.4
1127354	2.0	10.6	39.4	4.46	4.3	1.8	1.4	1.0	0.8	0.2	0.5	< 0.1	0.6	4.10	1.91	2.43	0.17	1.50	0.14	0.37	1.14	29.3	5.1
1127355	0.7	2.5	10.9	0.43	1.2	0.6	0.2	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.4	2.85	0.063	0.03	< 0.02	0.27	< 0.02	< 0.02	0.16	25.6	1.2
1127356	0.2	0.3	14.0	1.44	0.3	0.9	0.2	0.4	0.3	< 0.1	0.2	< 0.1	0.2	2.05	0.015	0.05	< 0.02	0.09	0.02	< 0.02	0.07	4.4	0.8
1127357	2.1	5.7	21.7	1.39	6.2	1.0	0.6	0.4	0.3	< 0.1	0.2	< 0.1	0.2	9.86	0.807	0.04	< 0.02	0.14	< 0.02	0.84	0.45	31.7	2.6
1127358	1.5	4.2	12.8	1.48	5.7	0.9	1.1	0.6	0.4	< 0.1	0.2	< 0.1	0.1	1.36	0.199	0.06	< 0.02	0.06	< 0.02	0.18	0.32	54.3	4.5
1127359	1.4	5.7	26.0	3.44	13.3	2.4	1.0	0.7	0.6	0.2	0.4	< 0.1	0.2	1.29	0.951	0.10	< 0.02	0.15	< 0.02	1.15	0.42	39.3	4.3

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127434	13.9	5.95	0.8	0.3	0.1	0.3	< 0.1	0.3	< 0.05	1.3	< 0.001	0.6	0.09	9.4	0.07	1.5	0.2	50
1127435	23.2	9.24	1.7	0.5	0.2	0.3	< 0.1	0.4	< 0.05	1.5	0.002	1.8	0.09	6.3	0.15	2.3	0.4	30
1127436	6.86	2.72	0.4	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.05	0.1	< 0.001	1.1	0.07	1.2	0.19	0.8	0.1	30
1127437	38.5	15.3	2.5	0.8	0.3	0.6	< 0.1	0.3	< 0.05	0.1	< 0.001	168	0.09	2.6	0.32	1.6	0.3	60
1127438	9.69	4.46	1.0	0.3	0.2	0.8	0.1	0.2	< 0.05	0.5	< 0.001	15.5	0.03	1.6	0.19	1.1	0.1	50
1127439	10.7	3.63	0.7	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	1.3	0.04	1.5	0.40	0.8	< 0.1	50
1127440	2.21	1.50	0.5	0.2	0.1	0.6	< 0.1	0.2	< 0.05	1.1	< 0.001	5.3	0.03	1.2	2.97	< 0.1	< 0.1	40
1127441	15.7	6.53	1.2	0.4	0.2	0.5	< 0.1	0.3	< 0.05	0.6	< 0.001	10.5	0.10	4.3	0.79	1.3	0.3	30
1127442	0.36	0.23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	1.2	< 0.001	1.6	< 0.02	0.6	1.12	< 0.1	< 0.1	30
1127443	5.18	2.24	0.6	0.2	< 0.1	0.2	< 0.1	0.4	< 0.05	0.5	< 0.001	3.9	0.14	1.0	0.12	0.7	< 0.1	90
1127444	2.90	2.28	0.7	0.2	0.2	0.8	0.1	< 0.1	< 0.05	12.7	< 0.001	130	0.11	1.7	0.13	0.1	< 0.1	50
1127445	17.0	7.43	1.6	0.5	0.2	0.6	< 0.1	0.3	< 0.05	3.3	< 0.001	1.2	0.06	4.0	2.38	1.5	0.2	50
1127446	19.3	8.54	1.5	0.4	0.2	0.5	< 0.1	0.4	< 0.05	2.1	< 0.001	50.5	0.09	2.8	0.19	1.2	0.3	50
1127447	14.2	5.74	1.1	0.3	0.1	0.3	< 0.1	0.2	< 0.05	0.7	< 0.001	1.2	0.03	1.8	0.42	0.9	0.1	50
1127448	17.2	7.79	1.5	0.5	0.2	0.4	< 0.1	0.1	< 0.05	2.6	< 0.001	7.7	0.06	3.3	0.92	0.9	0.2	40
1127449	15.5	6.65	1.2	0.3	0.1	0.3	< 0.1	0.2	< 0.05	0.5	0.017	1.9	0.04	2.2	0.34	1.1	< 0.1	30
1127450	20.1	8.09	1.6	0.4	0.2	0.4	< 0.1	0.5	< 0.05	2.7	< 0.001	3.4	0.08	1.8	0.19	1.5	0.2	30
1127351	15.2	6.98	1.3	0.4	0.2	0.4	< 0.1	0.2	< 0.05	1.6	< 0.001	3.2	0.06	3.4	0.19	1.3	0.3	30
1127352	8.75	3.06	0.8	0.2	0.1	0.5	< 0.1	0.5	< 0.05	1.4	< 0.001	158	0.14	12.7	2.74	1.4	0.3	100
1127353	4.85	2.21	0.6	0.3	0.1	0.5	< 0.1	0.2	< 0.05	2.0	0.002	289	0.05	9.5	0.32	0.9	0.4	50
1127354	11.5	5.18	0.8	0.4	0.2	0.4	< 0.1	0.2	< 0.05	0.8	0.001	216	0.16	5.9	0.42	0.7	0.2	70
1127355	2.05	0.71	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.3	< 0.02	0.9	0.49	0.3	0.2	50
1127356	2.07	1.15	0.3	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.3	< 0.02	0.2	0.10	< 0.1	< 0.1	40
1127357	5.59	2.01	0.4	0.1	< 0.1	0.1	< 0.1	0.2	< 0.05	0.7	< 0.001	103	0.03	7.0	1.05	0.5	< 0.1	40
1127358	9.65	3.57	0.7	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	0.2	< 0.001	12.5	0.03	1.3	0.40	0.6	0.2	30
1127359	9.50	3.76	0.8	0.2	0.1	0.4	< 0.1	0.4	< 0.05	0.5	< 0.001	72.7	0.03	2.4	1.06	1.2	0.2	110

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		14.7			0.040	0.16	5.33			0.10	0.09	177	457		412	13.0	26.6	211	368	33.9	17.5		5.8
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860			0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 45d (Aqua Regia) Meas		16.8			0.033	0.17	5.42			0.11	0.09	190	447		405	13.8	24.8	195	342	34.9	18.1		5.7
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860			0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 922 (AQUA REGIA) Meas		24.7	0.7		0.020	1.37	2.79	0.062	0.379	0.43	0.40	31	44		769	5.22	17.8	35.1	2180	262	8.33	< 0.1	7.0
OREAS 922 (AQUA REGIA) Cert		22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12
OREAS 922 (AQUA REGIA) Meas								0.062	0.371														
OREAS 922 (AQUA REGIA) Cert								0.063	0.386														
OREAS 923 (AQUA REGIA) Meas		22.0	0.6			1.38	2.78	0.058	0.659	0.37	0.39	30	42		867	5.74	21.1	34.3	4540	327	8.18		7.2
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 923 (AQUA REGIA) Meas		22.9	0.6			1.40	2.75	0.059	0.711	0.34	0.37	31	41		849	5.67	22.0	34.6	4480	332	8.14		7.7
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 522 (Aqua Regia) Meas		15.0	0.4			0.96	1.10	0.085	2.447	0.51	3.51	147	31	0.15	3750	23.6	520	62.7	8930	29.7	12.7		478
OREAS 522 (Aqua Regia) Cert		15.9	0.410			1.07	1.29	0.0890	2.59	0.528	3.43	153	28.6	0.146	3670	24.13	533	64.0	9040	28.3	13.2		492
OREAS 907 (Aqua Regia) Meas								0.024	0.063					0.03									
OREAS 907 (Aqua Regia) Cert								0.0240	0.0660					0.0170									
OREAS 907 (Aqua Regia) Meas								0.024	0.059					0.02									
OREAS 907 (Aqua Regia) Cert								0.0240	0.0660					0.0170									
Oreas 621 (Aqua Regia) Meas		6.2	0.5		0.160	0.40	1.53	0.033	4.572	0.28	1.49	10	28		501	3.20	27.9	27.9	3710	> 5000	9.43		75.8
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
Oreas 621 (Aqua Regia) Meas		7.4	0.6		0.148	0.42	1.55	0.033	4.808	0.30	1.63	10	26		492	3.31	26.3	25.9	3500	> 5000	9.52		72.1
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
Oreas 621 (Aqua Regia) Meas								0.035	4.757														
Oreas 621 (Aqua								0.0335	4.50														

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Regia) Cert																							
OREAS 263 (Aqua Regia) Meas		21.6	1.2		0.075	0.59	1.60	0.042	0.121	0.32	0.99	24	52		498	3.70	28.8	70.4	86.6	123	5.28		29.4
OREAS 263 (Aqua Regia) Cert		20.1	1.22		0.0790	0.593	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8
OREAS 263 (Aqua Regia) Meas								0.044	0.122														
OREAS 263 (Aqua Regia) Cert								0.0410	0.126														
Oreas 623 (Aqua Regia) Meas		8.1	0.3		0.070	1.03	1.66	0.044	9.254	0.15	0.96	15	17		548	12.1	213	14.6	> 10000	> 5000	12.8		77.0
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas 623 (Aqua Regia) Meas		9.6	0.4		0.070	1.07	1.75	0.044	7.962	0.18	1.13	15	17		572	13.1	222	14.9	> 10000	> 5000	13.4		75.4
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas 623 (Aqua Regia) Meas		9.0	0.4		0.060	0.97	1.51			0.15	1.05	14	13		530	12.4	206	12.4	> 10000	> 5000	12.6		73.1
Oreas 623 (Aqua Regia) Cert		10.0	0.370		0.0680	1.11	1.80			0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0
Oreas E1336 (Fire Assay) Meas	517																						
Oreas E1336 (Fire Assay) Cert	510																						
OREAS 254b Fire Assay Meas	2520																						
OREAS 254b Fire Assay Cert	2530																						
1127439 Orig		2.9	< 0.1	5	0.084	0.04	0.44	0.017	0.951	0.14	0.11	3	7	< 0.01	40	2.15	2.3	7.2	10.9	6.7	2.53	< 0.1	5.1
1127439 Dup		2.9	< 0.1	4	0.088	0.04	0.44	0.016	0.950	0.15	0.12	3	7	< 0.01	40	2.19	2.3	6.9	10.7	5.7	2.63	< 0.1	4.3
1127443 Orig	5																						
1127443 Dup	5																						
1127353 Orig	276																						
1127353 Dup	249																						
Method Blank		< 0.1	< 0.1	3	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.08	< 0.1	0.5
Method Blank		< 0.1	< 0.1	3	0.005	< 0.01	< 0.01			< 0.01	< 0.01	< 1	< 1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.5	0.08	< 0.1	0.9
Method Blank		< 0.1	< 0.1	2	0.002	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.4	0.09	< 0.1	0.4
Method Blank								< 0.001	< 0.001					< 0.01									
Method Blank								< 0.001	< 0.001					< 0.01									
Method Blank		< 0.1	< 0.1	3	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.06	< 0.1	0.3
Method Blank		< 0.1	< 0.1	4	0.006	< 0.01	< 0.01			< 0.01	< 0.01	< 1	< 1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.08	< 0.1	0.7
Method Blank								< 0.001	< 0.001					< 0.01									
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		20.6	12.9	4.47		41.0											0.08	1.88				76.1	10.7
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 45d (Aqua Regia) Meas		19.7	11.4	4.12		38.8											0.07	1.82				69.5	10.1
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 922 (AQUA REGIA) Meas	3.3	24.0	15.5	18.7	28.1	3.6	8.0	4.9					0.6	0.68	0.867	0.30	0.27	4.01	0.77		2.01	69.3	32.8
OREAS 922 (AQUA REGIA) Cert	3.44	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	5.6	23.3	13.1	18.4	13.4	3.7	7.5	4.7						0.88	2.08	0.39	0.47	6.43	0.84		1.73	65.1	32.4
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 923 (AQUA REGIA) Meas	5.9	20.8	13.6	17.5	25.0	3.3	7.2	4.5						0.88	1.53	0.38	0.44	6.21	0.78		1.68	59.5	31.7
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 522 (Aqua Regia) Meas	2.5	26.2	45.7	13.6	39.9	7.7							0.8	211	1.20		0.21	7.08	5.77	1.07	0.44		139
OREAS 522 (Aqua Regia) Cert	3.06	30.9	64.0	14.9	45.7	8.18							0.91	198	1.23		0.230	7.59	5.39	1.11	0.520		192
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas	5.0		18.6	6.93	60.7	2.2								13.6	63.3	264	1.72	2.55	116		0.92		18.6
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
Oreas 621 (Aqua Regia) Meas	5.4		18.7	6.63	50.3	2.2								12.7	63.4	281	1.81	2.61	119		0.87		17.3
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua																							

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Regia) Cert																							
OREAS 263 (Aqua Regia) Meas			17.1	11.6		3.4		4.3	2.6	0.5	1.2			0.59	0.303	0.28	0.04		9.17	0.20		165	
OREAS 263 (Aqua Regia) Cert			16.9	12.0		3.52		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175	
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas	18.6		14.4	7.64	57.3	4.4								9.10	19.4	53.8	1.93	3.83	27.1	0.58	0.77		17.2
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas 623 (Aqua Regia) Meas	19.8		15.5	7.82	52.3	5.1								9.03	20.2	55.7	2.02	3.95	24.0	0.56	0.77		17.7
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas 623 (Aqua Regia) Meas	19.1		13.2	7.13	43.0	4.9								8.08	18.6	53.4	1.93	3.63	20.5	0.57	0.70		15.5
Oreas 623 (Aqua Regia) Cert	18.6		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
OREAS 254b Fire Assay Meas																							
OREAS 254b Fire Assay Cert																							
1127439 Orig	1.0	4.1	36.1	0.63	8.4	0.4	1.1	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	6.62	0.170	0.01	< 0.02	< 0.05	0.02	0.02	0.42	48.9	5.2
1127439 Dup	1.3	4.3	36.9	0.66	9.0	0.5	1.1	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	6.75	0.180	< 0.01	< 0.02	< 0.05	< 0.02	0.03	0.46	49.6	5.3
1127443 Orig																							
1127443 Dup																							
1127353 Orig																							
1127353 Dup																							
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	1.9	< 0.5
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	< 0.002	0.01	< 0.02	< 0.05	< 0.02	0.02	< 0.02	1.6	< 0.5
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	0.003	0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	0.6	< 0.5
Method Blank																							
Method Blank																							
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	2.8	< 0.5
Method Blank	0.2	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	0.002	0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	2.3	< 0.5
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	26.1											19.3		17.6	0.25	10.6	1.6	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 45d (Aqua Regia) Meas	25.2											18.5		16.5	0.26	10.5	1.5	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 922 (AQUA REGIA) Meas	71.9	28.4	5.0		0.7			0.9		1.5			0.16	58.8	10.8	15.4	2.2	
OREAS 922 (AQUA REGIA) Cert	63	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98	
OREAS 922 (AQUA REGIA) Meas																		
OREAS 922 (AQUA REGIA) Cert																		
OREAS 923 (AQUA REGIA) Meas	65.9	27.1	5.1		0.7			0.2		2.4			0.19	81.0	22.3	14.7	2.3	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas	64.0	25.9	5.1		0.6			0.6		2.2			0.17	82.2	18.5	14.9	2.2	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 522 (Aqua Regia) Meas	135				0.5	1.4	0.2	1.2		108		594	0.11	12.0	8.79	5.8	38.3	
OREAS 522 (Aqua Regia) Cert	153				0.540	1.57	0.230	1.21		113		549	0.130	12.5	8.87	7.33	40.2	
OREAS 907 (Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert																		
OREAS 907 (Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert																		
Oreas 621 (Aqua Regia) Meas	39.6				0.3	0.6	< 0.1	1.5		0.9		1250	0.81	> 5000	3.92	5.4	1.7	3440
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas	38.4				0.3	0.6	< 0.1	1.5		0.9		1230	0.69	> 5000	3.81	5.3	1.6	3250
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas																		
Oreas 621 (Aqua																		

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Regia) Cert																		
OREAS 263 (Aqua Regia) Meas			4.9	0.9	0.5	1.0							0.51	34.6	0.57	11.3	1.3	190
OREAS 263 (Aqua Regia) Cert			4.41	0.850	0.500	0.990							0.530	34.0	0.570	10.6	1.28	170
OREAS 263 (Aqua Regia) Meas																		
OREAS 263 (Aqua Regia) Cert																		
Oreas 623 (Aqua Regia) Meas	36.7				0.3	0.8	0.1	1.5		2.6		818	0.29	2190	16.7	4.5	1.5	750
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas 623 (Aqua Regia) Meas	39.3				0.4	0.8	0.1	1.6		2.3		855	0.25	2510	18.0	4.7	1.5	670
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas 623 (Aqua Regia) Meas	33.8				0.3	0.8	0.1	1.4		2.1		805	0.23	2320	16.7	4.3	1.3	660
Oreas 623 (Aqua Regia) Cert	36.4				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830
Oreas E1336 (Fire Assay) Meas																		
Oreas E1336 (Fire Assay) Cert																		
OREAS 254b Fire Assay Meas																		
OREAS 254b Fire Assay Cert																		
1127439 Orig	10.6	3.58	0.6	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	1.2	0.04	1.5	0.40	0.8	< 0.1	50
1127439 Dup	10.8	3.67	0.8	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	1.3	0.04	1.5	0.39	0.8	< 0.1	50
1127443 Orig																		
1127443 Dup																		
1127353 Orig																		
1127353 Dup																		
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	3.2	< 0.02	0.3	< 0.02	< 0.1	< 0.1	50
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	30
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.1	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	40
Method Blank																		
Method Blank																		
Method Blank	0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	4.6	< 0.02	0.2	< 0.02	< 0.1	< 0.1	70
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.1	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	30
Method Blank																		
Method Blank																		
Method Blank																		

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-12945**
Report Date: **27-Nov-20**
Date Submitted: **19-Oct-20**
Your Reference: **North Limb**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

32 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)	2020-11-10 16:23:54

REPORT **A20-12945**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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

Report No.: **A20-12945**
Report Date: **27-Nov-20**
Date Submitted: **19-Oct-20**
Your Reference: **North Limb**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

32 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-11-14 16:45:56

REPORT **A20-12945**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

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Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127360	< 5	9.4	0.5	6	0.043	0.72	3.04	0.045	0.193	0.13	3.25	79	47	0.12	753	2.98	13.5	40.3	74.6	63.4	9.15	0.1	0.9
1127361	10	12.9	0.2	3	0.244	1.04	2.08	0.043	0.932	0.36	1.26	99	41	0.18	725	4.54	25.4	37.8	534	237	6.44	0.3	0.7
1127362	< 5	15.4	0.3	3	0.388	2.45	2.93	0.048	0.179	0.21	3.53	129	70	0.26	1020	7.68	15.3	21.2	90.9	140	9.59	0.1	0.9
1127363	34	5.6	< 0.1	2	0.072	0.16	0.55	0.005	0.938	0.23	0.05	12	48	0.02	89	1.71	5.5	23.0	129	477	2.95	< 0.1	6.0
1127364	< 5	17.5	0.2	3	0.060	0.67	1.09	0.026	1.226	0.59	0.13	21	21	0.08	198	1.88	6.6	13.7	11.2	38.4	4.30	< 0.1	3.0
1127365	19	7.1	0.3	3	0.084	0.44	0.77	0.010	3.637	0.19	0.56	48	328	0.12	259	5.33	41.7	282	221	510	3.55	< 0.1	6.8
1127366	< 5	21.0	0.3	6	0.075	0.74	1.21	0.020	0.534	0.34	0.29	13	13	0.05	161	1.64	4.0	13.4	7.4	25.7	5.26	< 0.1	1.7
1127367	< 5	26.8	0.4	7	0.107	1.07	1.52	0.016	0.634	0.57	0.50	22	21	0.05	194	1.50	3.3	12.4	5.9	34.2	6.56	< 0.1	1.2
1127368	< 5	24.1	0.2	7	0.094	0.66	1.57	0.020	1.137	0.60	0.22	18	21	0.05	211	1.95	7.9	11.8	9.5	27.1	5.06	< 0.1	1.9
1127369	< 5	20.7	0.2	6	0.111	0.91	1.53	0.019	0.468	0.53	0.50	21	24	0.08	158	1.55	6.8	15.7	8.3	38.0	6.28	< 0.1	1.3
1127370	55	2.2	< 0.1	3	0.059	0.07	0.49	0.006	1.792	0.29	0.02	7	17	0.01	60	2.85	3.2	5.5	70.0	313	2.61	< 0.1	20.8
1127371	8	6.4	0.2	3	0.055	0.61	1.18	0.009	3.624	0.16	0.49	237	248	0.18	418	10.1	56.7	114	210	546	9.57	< 0.1	4.4
1127372	< 5	19.0	0.3	6	0.081	1.19	3.03	0.017	2.145	0.26	2.79	99	281	0.23	720	4.32	44.2	170	134	91.9	6.50	< 0.1	74.1
1127373	6	16.7	0.3	3	0.182	0.87	1.81	0.042	0.913	0.47	0.81	96	69	0.28	419	4.10	15.0	46.5	109	33.1	7.34	< 0.1	0.8
1127374	32	25.3	0.3	7	0.117	0.79	2.60	0.051	1.743	0.31	1.83	92	27	0.20	355	5.17	29.8	33.8	174	24.3	7.80	< 0.1	1.3
1127375	93	21.5	0.3	4	0.066	1.32	2.52	0.038	0.306	0.16	2.30	34	9	0.09	423	2.70	7.4	6.7	40.8	40.6	7.99	< 0.1	2.1
1127376	32	33.9	0.4	6	0.481	1.24	3.49	0.049	1.584	0.62	1.74	43	19	0.09	115	3.21	10.5	12.9	171	9.0	9.34	< 0.1	0.8
1127377	94	13.2	0.4	6	0.168	0.02	1.62	0.013	0.282	0.37	0.15	7	17	< 0.01	18	0.53	4.4	2.0	106	6.6	3.59	< 0.1	1.7
1127378	140	1.4	< 0.1	3	0.077	0.04	0.39	0.014	0.446	0.18	0.07	6	17	0.02	43	1.18	1.4	1.5	83.0	2.0	1.51	< 0.1	1.7
1127379	78	20.3	0.3	3	0.173	1.12	2.15	0.038	1.472	0.61	0.53	66	21	0.11	203	4.57	16.6	20.1	520	26.5	8.05	< 0.1	1.5
1127380	7	18.5	0.1	4	0.179	0.56	1.77	0.020	0.111	0.51	0.67	18	16	0.07	104	1.02	3.2	5.6	79.3	12.2	4.47	< 0.1	1.0
1127381	24	29.6	0.4	6	0.103	1.35	1.98	0.028	0.343	0.43	1.51	34	17	0.16	171	2.19	9.4	10.4	268	20.8	7.61	< 0.1	1.3
1127382	< 5	28.5	0.3	12	0.174	1.30	2.29	0.048	0.370	0.70	1.16	43	21	0.18	581	2.34	9.5	6.5	40.8	119	8.34	< 0.1	1.4
1127383	< 5	20.1	0.3	12	0.082	1.02	1.80	0.021	0.689	0.39	0.49	13	15	0.04	352	1.45	5.4	5.5	3.9	48.1	6.10	< 0.1	1.2
1127384	6	47.3	0.5	9	0.103	1.53	2.79	0.032	1.746	0.24	2.62	178	163	0.38	1160	5.57	38.4	58.3	149	114	9.35	< 0.1	1.7
1127385	< 5	17.9	0.1	2	0.125	0.32	0.69	0.014	0.535	0.22	0.24	14	19	0.05	140	1.59	3.3	3.3	20.5	11.5	3.42	< 0.1	1.3
1127386	< 5	12.6	0.1	3	0.128	0.37	0.64	0.009	0.414	0.15	0.12	18	15	0.05	116	1.91	2.2	3.7	16.6	11.7	4.23	< 0.1	1.0
1127387	< 5	17.7	0.5	4	0.211	1.78	2.94	0.023	2.088	0.09	4.23	152	132	0.33	871	6.12	36.3	54.0	192	54.3	8.58	0.2	1.2
1127388	< 5	16.4	0.2	5	0.086	0.62	1.32	0.019	0.940	0.56	0.24	16	20	0.06	153	1.91	6.2	10.9	15.1	27.1	4.60	< 0.1	1.5
1127389	< 5	5.5	0.1	4	0.054	0.05	0.84	0.014	0.778	0.45	0.06	6	13	0.01	45	1.23	9.5	20.6	37.8	61.4	2.92	< 0.1	1.3
1127451	84	0.7	< 0.1	2	0.008	0.09	0.28	0.007	14.72	< 0.01	0.29	17	10	0.03	4350	28.0	57.1	89.6	116	317	1.73	0.2	7.2
1127452	77	0.3	< 0.1	2	0.011	0.11	0.09	0.003	8.073	< 0.01	0.21	7	10	0.01	1580	10.4	44.9	4.8	49.0	24.8	0.71	< 0.1	6.9

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127360	0.3	5.9	109	5.46	4.5	9.0	1.5	1.3	1.1	0.2	0.6	< 0.1	0.2	9.03	0.129	0.16	0.04	0.81	0.03	0.07	0.72	48.1	6.3
1127361	1.3	12.0	49.1	6.41	18.7	10.0	1.7	1.3	1.3	0.2	0.7	0.1	< 0.1	1.81	0.605	0.41	0.09	0.40	< 0.02	0.18	2.19	26.0	6.8
1127362	0.5	9.3	31.7	11.8	3.9	11.9	1.4	2.1	2.4	0.5	1.6	0.2	0.2	3.47	0.097	0.12	0.07	0.84	< 0.02	0.10	2.38	55.3	5.0
1127363	1.0	7.1	6.1	1.12	6.3	1.1	1.2	0.7	0.3	< 0.1	0.1	< 0.1	< 0.1	15.2	1.37	1.79	0.02	0.09	0.06	0.30	0.64	30.0	5.0
1127364	0.4	26.1	21.1	2.02	17.8	2.2	2.0	1.2	0.5	< 0.1	0.2	< 0.1	< 0.1	21.7	0.129	0.02	< 0.02	0.18	0.02	0.06	2.25	27.2	7.8
1127365	1.9	15.6	34.0	3.10	6.0	8.0	0.4	0.6	0.7	0.1	0.4	< 0.1	0.1	193	3.56	5.98	0.04	0.28	0.10	0.66	3.90	12.5	1.2
1127366	0.2	18.1	22.8	1.66	10.9	1.0	1.3	0.8	0.4	< 0.1	0.2	< 0.1	< 0.1	4.21	0.124	0.04	< 0.02	0.15	< 0.02	0.04	1.89	59.3	5.1
1127367	0.3	27.1	29.2	1.53	10.4	1.3	1.0	0.7	0.4	< 0.1	0.2	< 0.1	< 0.1	17.8	0.107	0.05	< 0.02	0.22	< 0.02	0.07	3.58	65.1	4.2
1127368	0.4	27.3	13.9	1.43	14.6	1.6	1.4	0.7	0.4	< 0.1	0.2	< 0.1	< 0.1	10.1	0.078	0.04	< 0.02	0.12	0.02	0.05	3.86	24.5	5.7
1127369	0.3	21.7	32.9	1.80	16.7	1.9	1.3	0.7	0.5	< 0.1	0.2	< 0.1	< 0.1	5.88	0.185	0.04	< 0.02	0.17	< 0.02	0.04	2.90	88.5	5.6
1127370	1.7	8.9	5.6	0.64	5.4	0.5	1.0	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	6.98	1.19	1.00	0.05	0.07	0.07	0.33	0.66	17.2	4.3
1127371	11.6	11.5	12.8	3.07	21.6	11.5	0.4	0.6	0.8	0.2	0.5	< 0.1	0.2	995	1.48	0.58	0.77	2.00	0.04	0.47	1.47	9.1	1.2
1127372	0.6	17.5	23.4	6.50	2.6	11.9	0.5	1.1	1.4	0.3	0.8	0.1	< 0.1	8.17	0.539	0.07	0.02	0.70	0.12	0.13	1.39	27.3	1.3
1127373	1.0	19.4	77.1	6.14	19.6	9.2	1.9	1.6	1.4	0.3	0.7	< 0.1	0.3	17.9	0.171	0.05	< 0.02	0.42	< 0.02	0.03	1.49	22.5	7.7
1127374	0.1	13.1	86.4	7.27	11.4	11.3	2.8	2.1	2.0	0.3	0.9	0.1	0.3	13.8	0.400	0.07	< 0.02	0.30	0.27	0.14	1.28	14.1	11.0
1127375	0.2	5.7	125	4.59	13.9	2.4	2.2	1.3	0.9	0.2	0.5	< 0.1	0.2	3.46	0.155	0.08	< 0.02	0.21	0.26	0.11	0.49	57.2	9.8
1127376	1.8	16.5	134	4.26	21.9	3.9	2.3	1.4	1.0	0.2	0.4	< 0.1	< 0.1	3.87	0.361	0.02	< 0.02	0.07	0.04	0.15	3.45	20.1	9.4
1127377	0.5	8.5	67.7	0.58	6.1	0.5	0.6	0.2	0.2	< 0.1	< 0.1	< 0.1	< 0.1	17.9	0.243	0.02	< 0.02	0.10	0.09	0.06	0.91	245	2.5
1127378	0.5	4.8	18.2	0.66	6.5	0.5	0.4	0.2	0.2	< 0.1	< 0.1	< 0.1	0.1	9.55	0.175	< 0.01	< 0.02	0.18	0.06	0.09	0.32	71.3	2.0
1127379	1.4	29.8	34.2	5.89	39.1	6.0	2.8	1.9	1.4	0.2	0.6	< 0.1	0.1	11.3	0.394	0.04	< 0.02	0.67	0.08	0.18	4.32	17.7	10.7
1127380	0.3	20.7	49.2	1.82	18.2	1.8	0.5	0.4	0.4	< 0.1	0.2	< 0.1	< 0.1	9.50	0.106	0.06	< 0.02	0.19	0.04	0.03	2.72	92.2	2.0
1127381	0.8	18.7	65.0	1.99	20.6	2.1	1.0	0.6	0.5	< 0.1	0.3	< 0.1	0.2	21.5	0.290	0.04	< 0.02	0.19	0.03	0.10	2.87	43.3	3.9
1127382	0.5	25.4	89.3	3.97	16.3	2.8	3.4	1.6	1.0	0.2	0.4	< 0.1	< 0.1	11.3	0.139	0.15	0.02	0.47	< 0.02	0.06	2.43	148	13.6
1127383	0.5	14.0	14.2	1.83	9.2	1.0	1.3	0.7	0.4	< 0.1	0.2	< 0.1	< 0.1	24.2	0.158	0.16	< 0.02	0.09	< 0.02	0.05	0.97	71.0	5.0
1127384	1.1	14.2	38.1	13.1	5.6	22.4	1.3	2.1	2.6	0.5	1.5	0.2	0.1	15.7	0.453	0.18	0.05	0.60	0.03	0.21	0.90	30.5	3.5
1127385	0.7	7.4	26.8	0.91	18.9	1.3	0.4	0.3	0.2	< 0.1	< 0.1	< 0.1	0.1	1.83	0.114	< 0.01	0.02	0.23	< 0.02	0.09	1.23	79.8	1.4
1127386	0.5	4.3	19.1	0.83	13.8	1.7	0.8	0.4	0.3	< 0.1	< 0.1	< 0.1	< 0.1	1.01	0.066	0.03	< 0.02	0.15	< 0.02	0.09	0.76	49.1	3.3
1127387	0.8	2.1	33.6	11.0	4.9	18.1	0.8	1.8	2.3	0.4	1.3	0.2	0.1	1.46	0.702	0.06	0.06	0.75	0.05	0.22	0.46	5.7	2.2
1127388	0.2	21.3	24.5	1.45	12.7	1.5	1.3	0.7	0.4	< 0.1	0.1	< 0.1	< 0.1	11.9	0.134	0.01	< 0.02	0.16	< 0.02	0.04	3.06	50.3	5.2
1127389	0.3	8.2	12.1	1.33	8.5	0.6	1.5	0.8	0.4	< 0.1	0.1	< 0.1	< 0.1	1.77	0.212	0.09	< 0.02	0.06	< 0.02	0.05	0.53	51.4	6.5
1127451	1.7	0.6	2.7	3.78	7.0	1.2	1.2	0.7	0.7	0.1	0.4	< 0.1	0.4	1.68	1.72	1.35	< 0.02	0.19	0.05	0.46	0.39	3.6	4.8
1127452	1.7	0.2	2.3	2.37	6.2	0.3	< 0.1	0.2	0.4	< 0.1	0.3	< 0.1	0.2	2.99	1.59	0.05	< 0.02	0.12	0.04	0.31	0.04	3.0	< 0.5

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127360	12.3	5.99	1.5	0.6	0.2	0.6	< 0.1	0.1	< 0.05	1.2	0.003	2.7	0.04	2.7	1.29	0.9	0.1	60
1127361	14.3	7.28	1.7	0.4	0.2	0.8	< 0.1	0.3	< 0.05	3.1	0.002	8.4	0.12	4.2	0.52	0.7	0.2	50
1127362	11.7	6.14	2.1	0.6	0.4	1.4	0.2	0.1	< 0.05	0.3	0.002	3.8	0.07	1.3	0.58	0.8	0.2	50
1127363	10.5	4.66	1.0	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.2	0.003	33.4	0.07	178	1.35	0.9	0.2	50
1127364	16.5	8.20	1.3	0.2	0.1	0.2	< 0.1	0.4	< 0.05	0.2	0.003	2.9	0.18	4.8	0.68	1.4	0.3	50
1127365	2.84	1.89	0.6	0.1	0.1	0.4	< 0.1	0.2	< 0.05	0.6	0.016	14.1	0.28	162	6.17	0.2	0.3	50
1127366	10.4	4.94	1.3	0.2	< 0.1	0.1	< 0.1	0.3	< 0.05	0.2	0.001	< 0.5	0.11	10.9	0.89	1.0	0.3	30
1127367	8.98	4.04	0.9	0.2	< 0.1	0.1	< 0.1	0.3	< 0.05	0.2	0.002	1.9	0.18	4.1	0.78	0.8	0.2	20
1127368	12.2	5.56	1.0	0.1	< 0.1	0.1	< 0.1	0.3	< 0.05	0.3	0.002	< 0.5	0.18	2.7	0.87	1.0	0.2	60
1127369	11.9	4.99	1.3	0.2	< 0.1	0.1	< 0.1	0.4	< 0.05	0.3	0.001	1.7	0.15	10.9	1.28	1.0	0.2	60
1127370	8.81	3.70	0.6	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.05	0.2	0.002	42.3	0.06	189	1.66	0.8	0.1	50
1127371	3.29	1.91	0.7	0.2	0.1	0.6	< 0.1	0.5	< 0.05	0.4	0.233	7.0	0.62	30.2	1.19	1.9	1.4	50
1127372	3.36	2.53	0.8	0.3	0.2	0.9	0.1	< 0.1	< 0.05	1.9	0.003	2.6	0.25	11.5	0.24	0.1	< 0.1	40
1127373	17.2	8.36	2.1	0.5	0.2	0.7	0.1	0.4	< 0.05	0.7	0.021	3.9	0.12	2.7	0.04	1.6	0.3	40
1127374	23.6	11.7	3.2	0.7	0.3	0.8	0.1	0.3	< 0.05	4.3	0.007	25.4	0.10	6.2	0.16	1.6	0.1	40
1127375	19.5	8.64	2.0	0.4	0.2	0.5	< 0.1	0.3	< 0.05	1.2	0.002	57.7	0.04	2.2	0.20	1.7	0.3	30
1127376	20.1	7.94	2.0	0.4	0.2	0.4	< 0.1	0.4	< 0.05	0.1	0.002	20.7	0.16	2.3	0.30	1.5	0.2	60
1127377	5.42	2.18	0.4	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.6	0.007	83.6	0.12	0.8	0.05	0.7	< 0.1	50
1127378	3.45	1.38	0.3	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	0.4	0.004	73.0	0.05	1.0	0.15	0.4	< 0.1	50
1127379	24.3	11.2	2.5	0.6	0.3	0.5	< 0.1	0.8	< 0.05	1.8	0.005	47.0	0.69	1.6	0.10	1.3	0.2	50
1127380	4.36	2.09	0.3	0.1	< 0.1	0.2	< 0.1	0.5	< 0.05	1.7	0.003	3.6	0.21	0.9	0.03	0.3	< 0.1	50
1127381	8.55	3.89	0.9	0.2	< 0.1	0.2	< 0.1	0.5	< 0.05	17.3	0.009	17.8	0.10	1.7	0.33	0.6	0.1	30
1127382	29.9	13.4	2.5	0.5	0.2	0.3	< 0.1	0.4	< 0.05	0.2	0.002	0.5	0.18	28.9	0.15	2.5	0.4	50
1127383	11.6	4.96	1.1	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	0.3	0.002	1.6	0.07	16.0	0.31	0.7	0.1	50
1127384	9.25	5.93	1.9	0.5	0.4	1.5	0.2	0.2	< 0.05	0.8	0.004	5.4	0.08	19.1	0.20	0.4	< 0.1	40
1127385	3.10	1.49	0.3	< 0.1	< 0.1	< 0.1	< 0.1	0.5	< 0.05	0.1	0.001	1.2	0.05	0.8	0.08	0.5	0.1	30
1127386	7.19	3.24	0.6	< 0.1	< 0.1	< 0.1	< 0.1	0.4	< 0.05	0.1	0.001	0.6	0.03	1.7	0.27	0.6	0.1	40
1127387	5.61	4.30	1.6	0.5	0.3	1.4	0.2	0.2	< 0.05	0.3	0.001	2.0	0.04	3.0	0.99	0.2	< 0.1	30
1127388	10.9	4.70	1.1	0.1	< 0.1	0.1	< 0.1	0.3	< 0.05	0.2	0.001	1.4	0.17	2.5	1.08	1.0	0.2	30
1127389	13.3	5.82	1.2	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	0.1	0.002	3.7	0.15	29.3	0.78	1.0	0.2	60
1127451	10.2	4.86	0.8	0.5	0.1	0.4	< 0.1	0.1	< 0.05	0.4	0.004	70.4	0.03	5.9	0.56	0.4	0.2	60
1127452	0.80	0.44	0.2	0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.3	0.002	62.0	< 0.02	4.9	0.44	< 0.1	< 0.1	50

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		16.9			0.035	0.18	5.54	0.028	0.040	0.11	0.10	186	460		392	13.4	24.9	193	335	35.4	16.1		4.5
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 45d (Aqua Regia) Meas								0.028	0.040														
OREAS 45d (Aqua Regia) Cert								0.035	0.045														
OREAS 922 (AQUA REGIA) Meas								0.054	0.379														
OREAS 922 (AQUA REGIA) Cert								0.063	0.386														
OREAS 923 (AQUA REGIA) Meas		24.4	0.6			1.54	2.79	0.049	0.661	0.38	0.42	32	42		924	6.15	21.7	32.3	4510	324	7.59		7.2
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 923 (AQUA REGIA) Meas								0.051	0.676														
OREAS 923 (AQUA REGIA) Cert								0.061	0.684														
OREAS 907 (Aqua Regia) Meas								0.018	0.062					0.02									
OREAS 907 (Aqua Regia) Cert								0.0240	0.0660					0.0170									
Oreas 621 (Aqua Regia) Meas		7.6	0.7		0.167	0.34	1.61	0.028	4.634	0.30	1.49	11	32		497	3.24	26.2	25.3	3560	> 5000	8.81		66.7
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 263 (Aqua Regia) Meas								0.035	0.122														
OREAS 263 (Aqua Regia) Cert								0.0410	0.126														
Oreas 623 (Aqua Regia) Meas								0.034	8.741														
Oreas 623 (Aqua Regia) Cert								0.0400	8.75														
Oreas E1336 (Fire Assay) Meas	506																						
Oreas E1336 (Fire Assay) Cert	510																						
1127365 Orig		7.3	0.3	3	0.084	0.45	0.79	0.010	3.647	0.20	0.58	49	336	0.13	268	5.51	43.2	292	228	528	3.68	< 0.1	7.2
1127365 Dup		6.9	0.3	3	0.084	0.44	0.75	0.010	3.627	0.19	0.53	48	319	0.12	250	5.15	40.3	271	214	492	3.42	< 0.1	6.4
1127368 Orig	< 5																						
1127368 Dup	< 5																						
1127378 Orig	123																						

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127378 Dup	156																						
1127382 Orig	< 5																						
1127382 Dup	5																						
1127383 Orig		20.7	0.3	12	0.078	1.02	1.78	0.021	0.692	0.40	0.50	13	15	0.04	361	1.50	5.5	5.6	3.9	48.7	6.14	< 0.1	0.9
1127383 Dup		19.6	0.3	12	0.085	1.02	1.82	0.021	0.686	0.38	0.48	13	15	0.04	343	1.40	5.3	5.4	4.0	47.6	6.06	< 0.1	1.6
Method Blank		< 0.1	< 0.1	2	0.006	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.09	< 0.1	1.2
Method Blank								< 0.001	< 0.001					< 0.01									
Method Blank								< 0.001	< 0.001					< 0.01									
Method Blank		< 0.1	< 0.1	2	0.005	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.2	0.10	< 0.1	1.2
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		20.2	12.6	3.92		39.4											0.07	1.74				66.2	10.5
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 45d (Aqua Regia) Meas																							
OREAS 45d (Aqua Regia) Cert																							
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	5.9	22.5	13.5	17.5	12.9	3.7	7.5	4.6						0.83	1.49	0.39	0.50	6.31	0.36		1.68	58.5	32.6
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 923 (AQUA REGIA) Meas																							
OREAS 923 (AQUA REGIA) Cert																							
OREAS 907 (Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert																							
Oreas 621 (Aqua Regia) Meas	4.3		18.4	6.77	68.6	2.1								12.7	57.7	274	1.78	2.71	80.8		0.97		19.4
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
OREAS 238 (Fire Assay) Meas																							
OREAS 238 (Fire Assay) Cert																							
OREAS 263 (Aqua Regia) Meas																							
OREAS 263 (Aqua Regia) Cert																							
Oreas 623 (Aqua Regia) Meas																							
Oreas 623 (Aqua Regia) Cert																							
Oreas E1336 (Fire Assay) Meas																							
Oreas E1336 (Fire Assay) Cert																							
1127365 Orig	2.0	16.0	35.6	3.23	6.6	8.6	0.4	0.6	0.7	0.1	0.4	< 0.1	0.1	198	3.65	6.22	0.04	0.29	0.12	0.68	4.00	16.9	1.3
1127365 Dup	1.8	15.2	32.4	2.97	5.5	7.5	0.4	0.6	0.7	0.1	0.4	< 0.1	0.1	188	3.46	5.74	0.04	0.27	0.09	0.63	3.80	8.0	1.2
1127368 Orig																							
1127368 Dup																							
1127378 Orig																							

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127378 Dup																							
1127382 Orig																							
1127382 Dup																							
1127383 Orig	0.4	14.0	14.9	1.86	9.5	1.0	1.3	0.8	0.4	< 0.1	0.2	< 0.1	< 0.1	24.4	0.159	0.14	< 0.02	0.09	< 0.02	0.05	0.97	71.8	5.1
1127383 Dup	0.6	13.9	13.6	1.81	8.8	1.0	1.2	0.7	0.4	< 0.1	0.2	< 0.1	< 0.1	24.1	0.156	0.19	< 0.02	0.09	< 0.02	0.04	0.98	70.3	5.0
Method Blank	0.4	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	2.2	< 0.5
Method Blank																							
Method Blank																							
Method Blank	0.3	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.01	< 0.002	0.02	< 0.02	< 0.05	< 0.02	0.03	< 0.02	2.0	< 0.5
Method Blank																							
Method Blank																							

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	24.0											12.4		17.1	0.26	10.6	1.4	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 45d (Aqua Regia) Meas																		
OREAS 45d (Aqua Regia) Cert																		
OREAS 922 (AQUA REGIA) Meas																		
OREAS 922 (AQUA REGIA) Cert																		
OREAS 923 (AQUA REGIA) Meas	67.1	28.2	6.0		0.7			0.3		2.1			0.16	83.4	23.7	15.5	2.2	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas																		
OREAS 923 (AQUA REGIA) Cert																		
OREAS 907 (Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert																		
Oreas 621 (Aqua Regia) Meas	39.6				0.3	0.6	< 0.1	1.6		0.9		1110	0.75	> 5000	4.16	6.0	1.6	3010
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
OREAS 238 (Fire Assay) Meas																		
OREAS 238 (Fire Assay) Cert																		
OREAS 263 (Aqua Regia) Meas																		
OREAS 263 (Aqua Regia) Cert																		
Oreas 623 (Aqua Regia) Meas																		
Oreas 623 (Aqua Regia) Cert																		
Oreas E1336 (Fire Assay) Meas																		
Oreas E1336 (Fire Assay) Cert																		
1127365 Orig	2.84	1.91	0.6	0.1	0.1	0.4	< 0.1	0.2	< 0.05	0.6	0.017	15.0	0.28	164	6.24	0.2	0.3	50
1127365 Dup	2.84	1.86	0.5	0.1	0.1	0.4	< 0.1	0.2	< 0.05	0.6	0.016	13.2	0.28	159	6.10	0.2	0.3	40
1127368 Orig																		
1127368 Dup																		
1127378 Orig																		

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
1127378 Dup																		
1127382 Orig																		
1127382 Dup																		
1127383 Orig	11.7	5.03	1.2	0.3	< 0.1	0.1	< 0.1	0.2	< 0.05	0.4	0.002	0.9	0.08	16.2	0.31	0.7	0.1	60
1127383 Dup	11.5	4.90	1.1	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	0.3	0.002	2.3	0.07	15.8	0.30	0.7	0.1	30
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	2.5	< 0.02	0.2	< 0.02	< 0.1	< 0.1	30
Method Blank																		
Method Blank																		
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.002	2.2	< 0.02	0.2	< 0.02	< 0.1	< 0.1	60
Method Blank																		
Method Blank																		

APPENDIX III

Soil Sample Descriptions (Table 2)

Table II	North Limb Soil Sample Descriptions																								
Sample	Date	Area	Easting	Northing	Elevation	Claim	Type	Depth (cm)	Ground level	Ground wetness	Ground inclination	Direction	Colour	Veg1	Veg2	Veg3	Tree1	Tree2	Tree3	Subjective quality	Vegetation in soil	Rocks in soil	Photo	Comments	Certificate No.	Au_ppb
A527752	11-Aug-20	North Limb Line 1	586374	5409746	368	107203	A	5	Moderate	Dry	Slight drop to	SSW	Dark Brown	Leaf Litter	Firry shoots		Alder	Balsam Fir	Spruce	5	Moderate amount		E		A20-10113	13
A527753	11-Aug-20	North Limb Line 1	586368	5409776	372	107203	A	2	Low	Dry	Flat		Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Balsam Fir	Birch	6	Some		S		A20-10113	30
A527754	11-Aug-20	North Limb Line 1	586367	5409799	375	107203	A	10	Low	Damp	Flat		Dark Brown	Grass	Moss	Leaf Litter	Alder	Balsam Fir	Poplar	7	Some		S		A20-10113	11
A527755	11-Aug-20	North Limb Line 1	586377	5409830	371	107203	A	10	Low	Wet	Flat		Dark Brown	Moss	Grass	Leaf Litter	Cedar	Balsam Fir	Spruce	9			NNE		A20-10113	10
A527756	11-Aug-20	North Limb Line 1	586382	5409851	374	107203	A		Low	Damp	Slight rise to	NNE	Dark Brown	Leaf Litter	Moss	Ferns	Cedar	Spruce	Birch				NNE		A20-10113	11
A527757	11-Aug-20	North Limb Line 1	586357	5409875	378	107203	A	10	Low	Wet	Moderate rise to	NE	Dark Brown	Leaf Litter	Moss	Ferns	Cedar	Balsam Fir		9			NW		A20-10113	10
A527758	11-Aug-20	North Limb Line 1	586356	5409894	380	107203	A	5	Moderate	Dry	Moderate rise to	ENE	Dark Brown	Leaf Litter	Moss		Cedar	Balsam Fir	Birch	6	Some		SSW		A20-10113	11
A527759	11-Aug-20	North Limb Line 1	586360	5409927	380	107203	A	3	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Spruce	5	Moderate amount		ENE		A20-10113	17
A527760	11-Aug-20	North Limb Line 1	586364	5409950	381	107203	A	3	Moderate	Dry	Slight rise to	NE	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Birch	Balsam Fir	4	Quite a bit		E		A20-10113	10
A527761	11-Aug-20	North Limb Line 1	586366	5409973	381	107203	A	3	Moderate	Dry	Slight rise to	E	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Birch	6	Some		SE		A20-10113	19
A527762	11-Aug-20	North Limb Line 1	586363	5409998	382	107203	A	3	Moderate	Dry	Slight rise to	NE	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Moose Maple	Birch	3	Quite a bit		E		A20-10113	26
A527763	11-Aug-20	North Limb Line 1	586365	5410023	380	107203	A	3	Moderate	Dry	On shallow slope facing	W	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Birch	6	Some		S		A20-10113	11
A527764	11-Aug-20	North Limb Line 1	586369	5410050	380	107203	A	5	Moderate	Dry	Slight rise to	SE	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Moose Maple	Birch	5	Moderate amount		SSW		A20-10113	7
A527765	11-Aug-20	North Limb Line 1	586373	5410077	381	338511	A	3	Moderate	Dry	On shallow slope facing	N	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Birch	Spruce	6	Some		W		A20-10113	15
A527766	11-Aug-20	North Limb Line 1	586369	5410105	379	338511	A	10	Low	Damp	Flat		Dark Brown	Leaf Litter	Grass	Ferns	Cedar	Birch	Balsam Fir	10			E	Built up road just south of here.	A20-10113	17
A527767	11-Aug-20	North Limb Line 1	586374	5410128	372	338511	A	10	Low	Wet	Flat		Dark Brown	Leaf Litter	Moss		Cedar	Birch	Balsam Fir	9			SE		A20-10113	8
A527768	11-Aug-20	North Limb Line 1	586371	5410152	371	338511	A	10	Low	Damp	Flat		Dark Brown	Leaf Litter	Moss	Grass	Cedar	Birch	Balsam Fir	9			W	Old east-west baseline here.	A20-10113	5
A527769	11-Aug-20	North Limb Line 1	586374	5410178	371	338511	A	15	Low	Wet	Flat		Dark Brown	Moss	Labrador Tea	Grass	Spruce	Birch	Balsam Fir	1	A lot		WNW		A20-10113	5
A527770	11-Aug-20	North Limb Line 1	586386	5410205	366	338511	A	10	Low	Damp	Slight mound or ridge to	S	Dark Brown	Moss	Labrador Tea	Leaf Litter	Spruce	Balsam Fir	Birch	9			W		A20-10113	11
A527771	11-Aug-20	North Limb Line 1	586362	5410230	364	338511	A	10	Low	Wet	Low ridge to	SE	Dark Brown	Grass	Labrador Tea		Cedar	Spruce		10			SW		A20-10113	6
A527772	11-Aug-20	North Limb Line 1	586356	5410253	359	338511	A	10	Low	Wet	Flat		Dark Brown	Grass	Labrador Tea					8	Not much		WSW		A20-10113	9
A527773	12-Aug-20	North Limb Line 2	586605	5410300	397	338511	A	5	Moderate	Dry	Slight rise to	E	Dark Brown	Leaf Litter	Moss		Birch	Balsam Fir	Moose Maple	3	Quite a bit		SSW		A20-10113	6
A527774	12-Aug-20	North Limb Line 2	586600	5410273	397	338511	A	5	Moderate	Dry	Slight rise to	E	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	6	Some		E		A20-10113	7
A527775	12-Aug-20	North Limb Line 2	586596	5410249	401	338511	A	5	Moderate	Dry	Moderate rise to	SE	Dark Brown	Leaf Litter	Moss	Ferns	Moose Maple	Balsam Fir	Spruce	5	Moderate amount		SE		A20-10113	8
A527776	12-Aug-20	North Limb Line 2	586595	5410223	398	338511	A	5	Moderate	Dry	Slight rise to	SE	Dark Brown	Leaf Litter	Ferns	Grass	Moose Maple	Spruce	Birch	10			ENE		A20-10113	8
A527777	12-Aug-20	North Limb Line 2	586597	5410201	395	338511	A	5	Moderate	Dry	On shallow slope, facing	W	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Spruce	Birch	6	Some		E		A20-10113	10
A527778	12-Aug-20	North Limb Line 2	586597	5410175	401	338511	A	2 to 3	Moderate	Dry	On shallow slope, facing	W	Dark Brown	Ferns	Ferns		Moose Maple	Birch		6	Some		SSE		A20-10113	13
A527779	12-Aug-20	North Limb Line 2	586593	5410149	398	338511	A	5	Moderate	Dry	On shallow slope, facing	W	Dark Brown	Ferns	Grass	Moss	Moose Maple	Cedar	Birch	7	Some		SW		A20-10113	8
A527780	12-Aug-20	North Limb Line 2	586594	5410125	398	338511	A	10	Moderate	Dry	Slight rise to	E	Dark Brown	Leaf Litter	Ferns	Firry shoots	Birch	Moose Maple	Spruce	6	Some		SE		A20-10113	6
A527781	12-Aug-20	North Limb Line 2	586598	5410101	398	338511	A	2 to 3	Moderate	Dry	On shallow slope, facing	WNW	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch		8	Not much		WNW		A20-10113	5
A527782	12-Aug-20	North Limb Line 2	586595	5410073	399	338511	A	5	Moderate	Dry	Low ridge to	S	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch		7	Some		W	Low ridge to S, outcrop.	A20-10113	10
A527783	12-Aug-20	North Limb Line 2	586600	5410042	404	107203	A	2 to 3	Moderate	Dry	On shallow slope, facing	NW	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch		6			SE		A20-10113	15
A527784	12-Aug-20	North Limb Line 2	586611	5410020	392	107203	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns		Alder	Birch		7	Some		E		A20-10113	< 5
A527785	12-Aug-20	North Limb Line 2	586602	5410003	392	107203		10	Moderate	Dry	Slight rise to	E	Dark Brown	Labrador Tea	Grass		Moose Maple	Spruce		8	Not much		SE		A20-10113	10

A527786	12-Aug-20	North Limb Line 2	586600	5409975	393	107203	A	10	Moderate	Dry	Slight rise to	NW	Dark Brown	Leaf Litter	Grass		Moose Maple	Birch	Balsam Fir	7	Some		W		A20-10113	5
A527787	12-Aug-20	North Limb Line 2	586608	5409948	395	107203	A	2 to 3	Moderate	Dry	On shallow slope, facing	W	Dark Brown	Leaf Litter	Ferns		Moose Maple	Spruce	Birch	8	Not much		S		A20-10113	17
A527788	12-Aug-20	North Limb Line 2	586615	5409919	396	107203	A	5	Moderate	Dry	On shallow slope, facing	SW	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Birch	Spruce	5	Moderate amount		NW		A20-10113	7
A527789	12-Aug-20	North Limb Line 2	586612	5409893	392	107203	A	10	Moderate	Dry	Moderate rise to	NNE	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Balsam Fir	6	Some		NE		A20-10113	9
A527790	12-Aug-20	North Limb Line 2	586620	5409878	386	107203	A	3	Moderate	Dry	Slight rise to	NNE	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Balsam Fir	8	Not much		SSW	Immediately east of large ~N/S trench.	A20-10113	6
A527791	12-Aug-20	North Limb Line 2	586616	5409848	385	107203	A	5	Low	Dry	Flat		Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	4	Quite a bit		W		A20-10113	10
A527792	12-Aug-20	North Limb Line 2	586621	5409822	383	107203	A	10	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Spruce	3	Quite a bit		NW	Somewhat loamy, still next to long trench.	A20-10113	16
A527793	12-Aug-20	North Limb Line 2	586622	5409798	381	107203	A	2 to 3	Low	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Spruce	4	Quite a bit		E		A20-10113	15
A527794	12-Aug-20	North Limb Line 2	586619	5409776	381	107203	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Birch	Spruce	5	Moderate amount		SE	Still next to long trench and it continues to S for several 10s of meters.	A20-10113	16
A527795	12-Aug-20	North Limb Line 3	586851	5409942	394	231207	A	5	Moderate	Dry	On moderate slope, facing	SSE	Dark Brown	Leaf Litter	Ferns		Moose Maple	Spruce	Birch	8	Not much		N		A20-10113	< 5
A527796	12-Aug-20	North Limb Line 3	586845	5409963	395	231207	A	5	Moderate	Dry	On shallow slope, facing	SSE	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Cedar	8	Not much		NE		A20-10113	6
A527797	12-Aug-20	North Limb Line 3	586838	5409992	403	231207	A	5	Moderate	Dry	On shallow slope, facing	SE	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Balsam Fir	2	A lot		NNE	Loamy.	A20-10113	8
A527798	12-Aug-20	North Limb Line 3	586846	5410018	404	231207	A	5	Moderate	Dry	On shallow slope, facing	SE	Dark Brown	Leaf Litter	Ferns	Firry shoots	Moose Maple	Balsam Fir	Birch	3	Quite a bit		NNW		A20-10113	14
A527799	12-Aug-20	North Limb Line 3	586854	5410042	410	231207	A	2 to 3	Moderate	Dry	Slight rise to	W	Dark Brown	Leaf Litter	Ferns	Grass	Moose Maple	Birch	Spruce	7	Some		N		A20-10113	12
A527800	12-Aug-20	North Limb Line 3	586845	5410067	410	131667	A	10	Moderate	Dry	Slight rise to	SW	Dark Brown	Leaf Litter	Ferns		Moose Maple	Spruce	Birch	9			NW		A20-10113	< 5
A527913	12-Aug-20	North Limb Line 3	586841	5410093	409	131667	A	5	Moderate	Dry	On shallow slope, facing	NE	Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Birch	Spruce	9			NE		A20-10113	7
A527914	12-Aug-20	North Limb Line 3	586849	5410120	410	131667	A	2 to 3	Moderate	Dry	On shallow slope, facing	E	Dark Brown	Leaf Litter	Grass	Moss	Moose Maple	Spruce	Birch	7	Some		N		A20-10113	8
A527915	12-Aug-20	North Limb Line 3	586844	5410140	408	131667	A	5	Moderate	Dry	Slight rise to	NW	Dark Brown	Leaf Litter	Grass		Moose Maple	Spruce		2	A lot		NNW		A20-10113	16
A527916	12-Aug-20	North Limb Line 3	586839	5410168	407	131667	A	5	Moderate	Dry	Slight rise to	W	Dark Brown	Leaf Litter	Ferns		Moose Maple	Spruce	Birch	3	Quite a bit		W		A20-10113	16
A527917	12-Aug-20	North Limb Line 3	586842	5410194	409	131667	A	5	Moderate	Dry	On shallow slope, facing	ENE	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	8	Not much		N		A20-10113	< 5
A527918	12-Aug-20	North Limb Line 3	586842	5410215	405	131667	A	5	Moderate	Dry	On moderate slope, facing	ENE	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	3	Quite a bit		N		A20-10113	13
A527919	12-Aug-20	North Limb Line 3	586850	5410242	397	131667	A	2 to 3	Moderate	Dry	On shallow slope, facing	ENE	Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Birch	Balsam Fir	3	Quite a bit		N		A20-10113	< 5
A527920	12-Aug-20	North Limb Line 3	586848	5410267	398	131667	A	5	Moderate	Dry	On shallow slope, facing	NE	Dark Brown	Leaf Litter	Ferns	Firry shoots	Moose Maple	Birch		6	Some		WSW		A20-10113	9
A527921	12-Aug-20	North Limb Line 3	586861	5410294	392	131667	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Balsam Fir	4	Quite a bit		S		A20-10113	< 5
A527922	12-Aug-20	North Limb Line 3	586855	5410321	392	131667	A	5	Moderate	Dry	Slight rise to	SSW	Dark Brown	Leaf Litter	Ferns	Firry shoots	Moose Maple	Birch	Spruce	6	Some		W		A20-10113	6
A527923	12-Aug-20	North Limb Line 3	586860	5410342	385	131667	A	2 to 3	Moderate	Dry	Slight rise to	SSW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Balsam Fir	6	Some		WSW		A20-10113	5
A527924	14-Aug-20	North Limb Line 7	587854	5410183	391	156086	A	5	Moderate	Dry	Slight rise to	SE	Dark Brown	Leaf Litter	Moss		Birch	Moose Maple	Balsam Fir	5	Moderate amount		NE		A20-10113	< 5
A527925	14-Aug-20	North Limb Line 7	587847	5410157	395	156086	A	10	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Moss		Birch	Balsam Fir	Spruce	5	Moderate amount		E		A20-10113	< 5
A527926	14-Aug-20	North Limb Line 7	587850	5410129	392	156086	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Moss		Balsam Fir	Moose Maple	Birch	6	Some		E		A20-10113	< 5
A527927	14-Aug-20	North Limb Line 7	587846	5410111	392	156086	A	10	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Moss		Balsam Fir	Cedar	Spruce	6	Some		S		A20-10113	< 5
A527928	14-Aug-20	North Limb Line 7	587846	5410079	385	136541	A		Low	Wet	Gently rolling		Dark Brown	Leaf Litter	Moss		Cedar	Birch	Balsam Fir	10			E		A20-10113	18
A527929	14-Aug-20	North Limb Line 7	587853	5410050	385	136541	A	10	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Moss	Grass	Cedar	Moose Maple	Balsam Fir	10			N		A20-10113	< 5
A527930	14-Aug-20	North Limb Line 7	587853	5410030	388	136541	A	15	Low	Damp	Gently rolling		Dark Brown	Moss	Grass	Leaf Litter	Cedar	Balsam Fir		7	Some		NE		A20-10113	< 5
A527931	14-Aug-20	North Limb Line 7	587860	5410005	390	136541	A	10	Low	Damp	Mound to	S	Dark Brown	Moss	Grass	Leaf Litter		Moose Maple	Balsam Fir	10			N		A20-10113	< 5

A527932	14-Aug-20	North Limb Line 7	587855	5409981	388	136541	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots	Moss	Balsam Fir	Birch	Spruce	3	Quite a bit		E		A20-10113	10
A527933	14-Aug-20	North Limb Line 7	587858	5409950	389	136541	A	5	High	Dry	On shallow slope, facing	ENE	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	3	Quite a bit		NW		A20-10113	8
A527934	14-Aug-20	North Limb Line 7	587860	5409924	391	136541	A	2 to 3	Moderate	Dry	Slight rise to	WSW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	2	A lot		E		A20-10113	10
A527935	15-Aug-20	North Limb Line 4	587102	5409640	373	231207	A	2 to 3	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Birch	Spruce	6	Some		NW		A20-10113	19
A527936	15-Aug-20	North Limb Line 4	587109	5409663	374	231207	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Birch	Balsam Fir	4	Quite a bit		S		A20-10113	12
A527937	15-Aug-20	North Limb Line 4	587117	5409688	373	231207	A	2 to 3	Moderate	Dry	On shallow slope, facing	WSW	Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Balsam Fir	Birch	6	Some		ESE		A20-10113	20
A527938	15-Aug-20	North Limb Line 4	587114	5409711	372	231207	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Ferns	Firry shoots	Moose Maple	Balsam Fir	Birch	5	Moderate amount		NNE		A20-10113	19
A527939	15-Aug-20	North Limb Line 4	587106	5409738	376	231207	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Birch	Moose Maple	7	Some		SE		A20-10113	23
A527940	15-Aug-20	North Limb Line 4	587095	5409763	387	231207	A	5	Moderate	Dry	On moderate slope, facing	S	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Balsam Fir	Birch	3	Quite a bit		E		A20-10113	12
A527941	15-Aug-20	North Limb Line 4	587081	5409788	389	231207	A	5	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Spruce	Birch	5	Moderate amount		E		A20-10113	12
A527942	15-Aug-20	North Limb Line 4	587077	5409810	392	231207	A	3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Moss	Ferns	Moose Maple	Birch	Spruce	6			E		A20-10113	7
A527943	15-Aug-20	North Limb Line 4	587078	5409835	393	231207	A	2 to 3	High	Dry	On shallow slope, facing	SSW	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Spruce	Birch	4	Quite a bit		S	Basically on low mound.	A20-10113	< 5
A527944	15-Aug-20	North Limb Line 4	587068	5409863	391	231207	A	5	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Balsam Fir	7	Some		E		A20-10113	< 5
A527945	15-Aug-20	North Limb Line 4	587078	5409888	388	231207	A	5	Moderate	Dry	Moderate downhill to	NW	Dark Brown	Leaf Litter	Moss		Moose Maple	Spruce	Birch	5	Moderate amount		E		A20-10113	12
A527946	15-Aug-20	North Limb Line 4	587076	5409922	391	231207		10												4	Quite a bit				A20-10113	< 5
A527947	15-Aug-20	North Limb Line 4	587085	5409944	386	231207	A	10	Moderate	Dry	Moderate rise to	SE	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	6	Some		SE		A20-10113	20
A527948	15-Aug-20	North Limb Line 4	587088	5409967	389	231207	A	5	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Ferns	Grass	Moose Maple	Birch	Spruce	9			SSE		A20-10113	< 5
A527949	15-Aug-20	North Limb Line 4	587090	5409987	387	231207	A	15	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Balsam Fir	4	Quite a bit		WNW		A20-10113	17
A527950	15-Aug-20	North Limb Line 4	587085	5410017	387	231207	A	15	Moderate	Dry	Slight rise to	E	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Birch	Moose Maple	6	Some		SSE		A20-10113	< 5
A527951	15-Aug-20	North Limb Line 4	587087	5410040	389	231207	A	10	Low	Dry	Rolling		Dark Brown	Leaf Litter	Firry shoots		Cedar	Moose Maple	Spruce	9			NE		A20-10113	10
A527952	15-Aug-20	North Limb Line 4	587085	5410065	387	231207	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Grass	Moss	Leaf Litter	Spruce	Cedar	Birch	10			NE		A20-10113	< 5
A527953	15-Aug-20	North Limb Line 4	587082	5410088	388	131667	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	4	Quite a bit		N		A20-10113	< 5
A527954	15-Aug-20	North Limb Line 4	587089	5410116	392	131667	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Spruce	Birch	3	Quite a bit		NE		A20-10113	6
A527955	15-Aug-20	North Limb Line 4	587089	5410139	395	131667	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Grass	Ferns	Moose Maple	Birch		6	Some		NE	A bit of angular rusty rock in hole, possible MV.	A20-10113	7
A527956	15-Aug-20	North Limb Line 4	587095	5410168	395	131667	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Balsam Fir	6	Some		NE		A20-10113	< 5
A527957	15-Aug-20	North Limb Line 4	587097	5410192	398	131667	A	10	Low	Dry	Gently rolling			Leaf Litter	Grass	Ferns	Moose Maple	Birch	Balsam Fir	8	Not much		W		A20-10113	< 5
A527958	15-Aug-20	North Limb Line 4	587104	5410218	399	131667	A	5	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Spruce	Balsam Fir	5	Moderate amount		S		A20-10113	< 5
A527959	15-Aug-20	North Limb Line 4	587107	5410240	396	131667	A	2 to 3	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns		Moose Maple	Balsam Fir	Spruce	2	A lot		E		A20-10113	6
A527960	15-Aug-20	North Limb Line 4	587090	5410270	402	131667	A	10	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Moose Maple	4	Quite a bit		W		A20-10113	5
A527961	15-Aug-20	North Limb Line 4	587089	5410293	399	131667	A	5	Moderate	Dry	Moderate downhill to	N	Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Spruce	5	Moderate amount		SW		A20-10113	7
A527962	15-Aug-20	North Limb Line 4	587096	5410315	396	131667	A	10	Low	Damp	Gently rolling		Dark Brown	Leaf Litter	Grass	Ferns	Balsam Fir	Birch		10			NE	Disturbed muddy rut.	A20-10113	15
A527963	15-Aug-20	North Limb Line 4	587099	5410338	394	131667	A	5	Moderate	Dry	Slight rise to	S	Dark Brown	Leaf Litter	Moss	Ferns	Balsam Fir	Birch	Spruce	3	Quite a bit		NE		A20-10113	< 5
A527964	15-Aug-20	North Limb Line 4	587092	5410365	394	131667	A	10	Low	Dry	Slight rise to	SSW	Dark Brown	Leaf Litter	Ferns		Birch	Spruce	Balsam Fir	4	Quite a bit		NE		A20-10113	8
A527965	16-Aug-20	North Limb Line 5	587355	5409999	406	142512	A	2 to 3	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Spruce	Birch	3	Quite a bit		E		A20-10113	5
A527966	16-Aug-20	North Limb Line 5	587357	5410023	409	142512	A	10	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Spruce	5	Moderate amount		NW		A20-10113	6

A527967	16-Aug-20	North Limb Line 5	587356	5410046	408	142512	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch		5	Moderate amount		W		A20-10113	< 5
A527968	16-Aug-20	North Limb Line 5	587360	5410071	405	142512	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Poplar	Birch	4	Quite a bit		N		A20-10113	< 5
A527969	16-Aug-20	North Limb Line 5	587359	5410095	403	220776	A	10	Moderate	Dry	On shallow slope, facing	N	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Poplar	Balsam Fir	4	Quite a bit		W		A20-10113	< 5
A527970	16-Aug-20	North Limb Line 5	587357	5410119	399	220776	A		Moderate	Dry	Low mound to	S	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Spruce	Birch				W		A20-10113	9
A527971	16-Aug-20	North Limb Line 5	587355	5410144	396	220776	A	5	Moderate	Dry	Slight rise to	S	Dark Brown	Leaf Litter	Moss	Firry shoots	Birch	Moose Maple	Spruce	7	Some		W		A20-10113	< 5
A527972	16-Aug-20	North Limb Line 5	587350	5410168	400	220776	A	15	Moderate	Dry	Gently rolling		Dark Brown	Grass	Leaf Litter	Moss	Birch	Balsam Fir	Spruce	9			W		A20-10113	< 5
A527973	16-Aug-20	North Limb Line 5	587348	5410198	398	220776	A	10	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Firry shoots	Ferns	Balsam Fir	Birch	Spruce	5	Moderate amount		E		A20-10113	14
A527974	16-Aug-20	North Limb Line 5	587343	5410222	394	220776	A	5	Moderate	Dry	Slight rise to	S	Dark Brown	Leaf Litter	Moss	Ferns	Spruce	Birch	Moose Maple	6	Some		W		A20-10113	16
A527975	16-Aug-20	North Limb Line 5	587349	5410247	395	220776	A	5	Moderate	Dry	Slight rise to	S	Dark Brown	Leaf Litter	Firry shoots	Ferns	Spruce	Birch	Moose Maple	5	Moderate amount		SW		A20-10113	< 5
A527976	16-Aug-20	North Limb Line 5	587345	5410271	395	220776	A	5	Low	Damp	Moderate rise to	S	Dark Brown	Leaf Litter	Moss	Grass	Cedar	Birch	Spruce	10			W		A20-10113	6
A527977	17-Aug-20	North Limb Line 5	587321	5409573	362	267982	A	2 to 3	Moderate	Dry	Slight rise to	ENE	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch		8	Not much		ESE		A20-10113	7
A527978	17-Aug-20	North Limb Line 5	587328	5409604	364	267982	A	15	Moderate	Dry	Slight rise to	NNW	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Spruce	8	Not much		E		A20-10113	< 5
A527979	17-Aug-20	North Limb Line 5	587332	5409623	369	142512	A	5	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	4	Quite a bit		E		A20-10113	< 5
A527980	17-Aug-20	North Limb Line 5	587331	5409648	370	142512	A	2 to 3	Moderate	Dry	On shallow slope, facing	SW	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Birch	Spruce	6	Some				A20-10113	12
A527981	17-Aug-20	North Limb Line 5	587342	5409678	370	142512	A	2 to 3	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Balsam Fir	Birch	6	Some		W		A20-10113	11
A527982	17-Aug-20	North Limb Line 5	587346	5409703	370	142512	A	10	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Spruce	Birch	6	Some		WNW		A20-10113	< 5
A527983	17-Aug-20	North Limb Line 5	587353	5409735	376	142512	A	4	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Birch	Balsam Fir	7	Not much		E		A20-10113	7
A527984	17-Aug-20	North Limb Line 5	587361	5409761	372	142512	A	5	moderate	Dry	Slight rise to	WNW	Dark Brown	Leaf Litter	Ferns		Moose Maple	Spruce		7	Some		N		A20-10113	< 5
A527985	17-Aug-20	North Limb Line 5	587356	5409790	379	142512	A	10	Moderate	Dry	Slight rise to	WNW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	4	Quite a bit		N		A20-10113	< 5
A527986	17-Aug-20	North Limb Line 5	587358	5409813	379	142512	A	5	Moderate	Dry	On shallow slope, facing	ESE	Dark Brown	Leaf Litter	Ferns	Firry shoots	Moose Maple	Birch	Spruce	3	Quite a bit		N		A20-10113	14
A527987	17-Aug-20	North Limb Line 5	587358	5409835	385	142512	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Moss		Moose Maple	Spruce	Birch	1	A lot		E		A20-10113	11
A527988	17-Aug-20	North Limb Line 5	587346	5409860	391	142512	A	5	Moderate	Dry	On moderate slope, facing	S	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Balsam Fir	2	A lot		N		A20-10113	12
A527989	17-Aug-20	North Limb Line 5	587333	5409885	396	142512	A	5	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Grass	Ferns	Moose Maple	Birch		4	Quite a bit		N		A20-10113	6
A527990	17-Aug-20	North Limb Line 5	587336	5409905	397	142512	A	5	High	Dry	Slight rise to	N	Dark Brown	Moss	Leaf Litter	Ferns	Moose Maple	Spruce	Balsam Fir	5	Moderate amount		NE		A20-10113	< 5
A527991	17-Aug-20	North Limb Line 5	587338	5409923	398	142512	A	10	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	7	Some		S		A20-10113	< 5
A527992	17-Aug-20	North Limb Line 5	587341	5409952	402	142512	A	5	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Spruce	4	Quite a bit		N		A20-10113	< 5
A527993	17-Aug-20	North Limb Line 5	587348	5409972	402	142512	A	10	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns	Firry shoots	Moose Maple	Birch	Spruce	3	Quite a bit		S		A20-10113	< 5
A527994	18-Aug-20	North Limb Line 8	588104	5409403	370	202213	A	5	Moderate	Dry	Moderate rise to	N	Dark Brown	Leaf Litter	Ferns	Grass	Moose Maple	Birch	Balsam Fir	7	Some		E		A20-10113	< 5
A527995	18-Aug-20	North Limb Line 8	588100	5409431	370	202213	A	2 to 3	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Spruce	6	Some		S		A20-10113	5
A527996	18-Aug-20	North Limb Line 8	588101	5409458	373	202213	A	10	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Grass		Poplar	Birch	Balsam Fir	3	Quite a bit		SE		A20-10113	< 5
A527997	18-Aug-20	North Limb Line 8	588108	5409490	372	202213	A	5	Moderate	Dry	On shallow slope, facing	N	Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Spruce	7	Some		N		A20-10113	< 5
A527998	18-Aug-20	North Limb Line 8	588105	5409507	374	202213	A	15	Low	Damp	Gently rolling	DropdownModel(textValue=None, drawableResId=null)	Dark Brown	Leaf Litter	Grass		Cedar	Spruce		8	Not much		NNW		A20-10113	< 5
A527999	18-Aug-20	North Limb Line 8	588102	5409540	369	202213	A	10	Moderate	Dry	On shallow slope, facing	SW	Dark Brown	Leaf Litter	Moss	Grass	Cedar	Balsam Fir	Birch	4	Quite a bit		SE		A20-10113	< 5

A528000	18-Aug-20	North Limb Line 8	588096	5409560	369	202213	A	5	Moderate	Dry	On shallow slope, facing	SSE	Dark Brown	Moss	Leaf Litter		Birch	Balsam Fir	Spruce	6	Some		E		A20-10113	< 5
A1104001	18-Aug-20	North Limb Line 8	588093	5409586	366	202213	A	10	Moderate	Dry	Slight rise to	NNE	Dark Brown	Moss	Leaf Litter		Cedar	Spruce	Birch	9			SW		A20-10113	< 5
A1104002	18-Aug-20	North Limb Line 8	588099	5409617	367	202213	A	5	Moderate	Dry	Gently rolling		Dark Brown	Moss	Leaf Litter		Balsam Fir	Birch	Spruce	3	Quite a bit		N		A20-10113	< 5
A1104003	18-Aug-20	North Limb Line 8	588103	5409640	365	222674	A	15	Moderate	Dry	Slight rise to	NNE	Dark Brown	Moss	Leaf Litter	Grass	Balsam Fir	Cedar	Birch	7	Some		NE		A20-10113	< 5
A1104004	18-Aug-20	North Limb Line 8	588100	5409668	367	222674	A	10	Moderate	Dry	Gently rolling	DropdownModel(textValue=None, drawableResId=null)	Dark Brown	Leaf Litter			Cedar	Balsam Fir	Birch	7	Some		SE		A20-10113	7
A1104005	18-Aug-20	North Limb Line 8	588110	5409688	366	222674	A	10	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Moss		Balsam Fir	Spruce	Birch	4	Quite a bit		S		A20-10113	< 5
A1104006	18-Aug-20	North Limb Line 8	588118	5409712	366	222674	A	5	Moderate	Dry	Gently rolling		Dark Brown	Moss	Labrador Tea		Spruce	Balsam Fir	Birch	8	Not much		E		A20-10113	5
A1104007	18-Aug-20	North Limb Line 8	588118	5409737	367	222674	A	15	Low	Damp	Gently rolling		Dark Brown	Leaf Litter	Firry shoots	Labrador Tea	Cedar	Birch	Spruce	9			S		A20-10113	< 5
A1104008	18-Aug-20	North Limb Line 8	588111	5409758	370	222674	A	15	Low	Damp	Slight rise to	NNW	Dark Brown	Leaf Litter	Moss		Cedar	Birch	Spruce	8	Not much		E		A20-10113	6
A1104009	18-Aug-20	North Limb Line 8	588115	5409787	373	222674	A	10	Moderate	Dry	Moderate rise to	NNW	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Spruce	3	Some		SE		A20-10113	12
A1104010	18-Aug-20	North Limb Line 8	588097	5409806	370	222674	A	15	Moderate	Dry	Slight rise to	NNE	Dark Brown	Leaf Litter	Moss		Moose Maple	Cedar	Balsam Fir	9			SSW		A20-10113	36
A1104011	18-Aug-20	North Limb Line 8	588082	5409835	376	222674	A	10	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Grass	Moss	Balsam Fir	Moose Maple	Birch	9			S		A20-10113	36
A1104012	18-Aug-20	North Limb Line 8	588088	5409854	379	222674	A	10	Low	Damp	Slight rise to	WSW	Dark Brown	Leaf Litter	Firry shoots		Poplar	Balsam Fir	Moose Maple	10			N		A20-10113	41
A1104013	18-Aug-20	North Limb Line 8	588086	5409884	382	222674	A	5	Moderate	Dry	On shallow slope, facing	SSW	Dark Brown	Leaf Litter	Ferns		Moose Maple	Poplar	Birch	5	Moderate amount		NE		A20-10113	33
A1104014	18-Aug-20	North Limb Line 8	588089	5409904	385	222674	A	10	Moderate	Dry	On shallow slope, facing	SSW	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Cedar	3	Quite a bit		E		A20-10113	8
A1104015	18-Aug-20	North Limb Line 8	588089	5409932	388	222674	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Grass	Ferns	Moose Maple	Birch	Spruce	3	Quite a bit		E	Possibly disturbed soil, south of road.	A20-10113	8
A1104016	18-Aug-20	North Limb Line 8	588111	5409963	391	222674	A	2 to 3	Moderate	Damp	Slight rise to	NNE	Dark Brown	Leaf Litter	Grass	Moss	Moose Maple	Birch	Poplar	3	Quite a bit		NNE		A20-10113	8
A1104017	18-Aug-20	North Limb Line 8	588121	5409980	394	222674	A	5	Moderate	Dry	Slight rise to	NNE	Dark Brown	Leaf Litter	Grass	Ferns	Birch	Moose Maple	Poplar	8	Not much		S		A20-10113	< 5
A1104018	18-Aug-20	North Limb Line 8	588123	5410005	398	222674	A	10	Moderate	Dry	On moderate slope, facing	SSW	Dark Brown	Leaf Litter	Moss	Ferns	Birch	Moose Maple	Balsam Fir	6	Some		E		A20-10113	10
A1104019	18-Aug-20	North Limb Line 8	588123	5410026	404	222674	A	5	Moderate	Dry	On shallow slope, facing	SSW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Balsam Fir	6	Some		ESE		A20-10113	12
A1104020	18-Aug-20	North Limb Line 8	588130	5410054	405	222674	A	2 to 3	Moderate	Dry	On shallow slope, facing	SSW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Balsam Fir	Birch	6	Some		SSE		A20-10113	9
A1104021	18-Aug-20	North Limb Line 6	587593	5409968	396	142512	A	15	Moderate	Dry	Slight rise to	NE	Dark Brown	Leaf Litter	Ferns	Grass	Moose Maple	Birch	Balsam Fir	8	Not much		W		A20-10113	8
A1104022	18-Aug-20	North Limb Line 6	587596	5409993	399	142512	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Balsam Fir	2	A lot		E		A20-10113	9
A1104023	18-Aug-20	North Limb Line 6	587597	5410015	399	142512	A		Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Firry shoots		Birch	Balsam Fir	Moose Maple	3	Quite a bit		E	Stripped area to North.	A20-10113	16
A1104024	18-Aug-20	North Limb Line 6	587597	5410048	401	142512	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter			Cedar	Balsam Fir	Birch	1	A lot		NE	Probably disturbed by trenching activity.	A20-10113	15
A1104025	18-Aug-20	North Limb Line 6	587601	5410064	399	136541	A	5	Moderate	Dry	Gently rolling		Dark Brown	Moss	Leaf Litter		Balsam Fir	Birch	Spruce	3	Quite a bit		S		A20-10113	14
A1104026	18-Aug-20	North Limb Line 6	587593	5410093	398	220776	A	2 to 3	Low	Damp	Slight rise to	S	Dark Brown	Leaf Litter	Moss		Spruce	Birch		5	Moderate amount		E	Where some old ruts are from a trail.	A20-10113	6
A1104027	18-Aug-20	North Limb Line 6	587589	5410118	402	220776	A	10	Low	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Cedar	8	Not much		S	Still on old trail possibly.	A20-10113	< 5
A1104028	18-Aug-20	North Limb Line 6	587593	5410144	404	220776	A	10	High	Dry	Gently rolling		Dark Brown	Moss	Leaf Litter		Spruce	Balsam Fir	Birch	1	A lot		SW	Just west of some stripped rock.	A20-10113	10
A1104029	18-Aug-20	North Limb Line 6	587591	5410169	402	220776	A	5	High	Dry	Slight rise to	N	Dark Brown	Moss	Leaf Litter		Spruce	Balsam Fir	Birch	2	A lot		N	Next to some 100 degree qvs with channel cuts, in porphyry (?).	A20-10113	7
A1104030	18-Aug-20	North Limb Line 6	587597	5410199	404	156086	A	5	High	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Moss		Spruce	Moose Maple	Birch	2	A lot		NE	Near old samples, stripped area.	A20-10113	7

A1104031	19-Aug-20	North Limb Line 6	587635	5409527	367	171258	A	15	Low	Damp	Gently rolling		Dark Brown	Leaf Litter	Moss	Ferns	Cedar	Birch	Spruce	10			W		A20-10113	13
A1104032	19-Aug-20	North Limb Line 6	587614	5409558	364	171258	A	15	Low	Dry	Slight rise to	NE	Dark Brown	Leaf Litter	Grass	Moss	Balsam Fir	Birch	Cedar	9			SW		A20-10113	< 5
A1104033	19-Aug-20	North Limb Line 6	587606	5409580	367	171258	A	10	Moderate	Dry	Slight rise to	NE	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Spruce	Cedar	9			SE		A20-10113	< 5
A1104034	19-Aug-20	North Limb Line 6	587596	5409607	371	267982	A	15	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Firry shoots		Spruce	Moose Maple	Balsam Fir	3	Quite a bit		N		A20-10113	16
A1104035	19-Aug-20	North Limb Line 6	587590	5409629	373	142512	A	5	Moderate	Dry	Rolling		Dark Brown	Leaf Litter			Balsam Fir	Birch	Moose Maple	8	Not much		SE		A20-10113	16
A1104036	19-Aug-20	North Limb Line 6	587586	5409648	373	142512	A	2 to 3	Moderate	Dry	Moderate downhill to	S	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Balsam Fir	7	Some		SE	Man-made hill? Possible old backhoe trail at bottom to S.	A20-10113	8
A1104037	19-Aug-20	North Limb Line 6	587585	5409667	380	142512	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Birch	5	Moderate amount		W	Near mounds of piled up dirt to N, large old trench.	A20-10113	11
A1104038	19-Aug-20	North Limb Line 6	587598	5409710	384	142512	A	5	Moderate	Dry	Slight rise to	NE	Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Moose Maple	4	Quite a bit		N		A20-10113	14
A1104039	19-Aug-20	North Limb Line 6	587610	5409736	386	136541	A	5	Moderate	Dry	Slight rise to	NW	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Birch	Spruce	3	Quite a bit		N		A20-10113	24
A1104040	19-Aug-20	North Limb Line 6	587621	5409763	386	136541	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Moss	Ferns	Moose Maple	Poplar	Birch	2	A lot		NNW		A20-10113	32
A1104041	19-Aug-20	North Limb Line 6	587613	5409784	386	136541	A	2 to 3	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Birch	3	Quite a bit		E		A20-10113	8
A1104042	19-Aug-20	North Limb Line 6	587611	5409812	387	136541	A	2 to 3	Moderate	Dry	On moderate slope, facing	SSE	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Birch	4	Quite a bit		ENE		A20-10113	15
A1104043	19-Aug-20	North Limb Line 6	587602	5409840	391	136541	A	5	Moderate	Dry	On shallow slope, facing	SSE	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Spruce	Birch	4	Quite a bit		NE		A20-10113	7
A1104044	19-Aug-20	North Limb Line 6	587601	5409868	385	136541	A	10	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Moss	Firry shoots	Balsam Fir	Moose Maple	Birch	5	Moderate amount		SW		A20-10113	9
A1104045	19-Aug-20	North Limb Line 6	587596	5409894	389	142512	A	10	Moderate	Dry	Slight rise to	ENE	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Birch	4	Quite a bit		SW		A20-10113	25
A1104046	19-Aug-20	North Limb Line 6	587586	5409915	389	142512	A	5	Moderate	Dry	Moderate rise to	SE	Dark Brown	Leaf Litter	Moss	Grass	Spruce	Moose Maple	Birch	7	Some		SW		A20-10113	< 5
A1104047	19-Aug-20	North Limb Line 6	587589	5409938	390	142512	A	5	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Grass	Firry shoots	Moose Maple	Balsam Fir	Spruce	7	Some		E		A20-10113	< 5
A1104048	19-Aug-20	North Limb Line 6	587597	5410232	399	156086	A	5	Moderate	Dry	Slight downhill to	E	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Spruce	3	Quite a bit		N	Next to 100 degree trending, subvertical mafic volcanic.	A20-10113	10
A1104049	20-Aug-20	North Limb Line 7	587863	5409477	364	171258	A	10	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Birch	Cedar	6	Some		E		A20-10113	11
A1104050	20-Aug-20	North Limb Line 7	587856	5409502	367	171258	A	10	Low	Dry	Slight rise to	ENE	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Balsam Fir	Birch	7	Some		N		A20-10113	5
A1104051	20-Aug-20	North Limb Line 7	587856	5409529	359	171258	A	2 to 3	Moderate	Dry	Slight rise to	N	Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch		7	Some		NE		A20-10113	6
A1104052	20-Aug-20	North Limb Line 7	587856	5409544	360	171258	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Firry shoots	Moss	Balsam Fir	Birch	Moose Maple	3	Quite a bit		NE		A20-10113	6
A1104053	20-Aug-20	North Limb Line 7	587856	5409572	365	171258	A	15	Moderate	Dry	Slight rise to	ESE	Dark Brown	Moss	Leaf Litter	Ferns	Moose Maple	Birch	Balsam Fir	10			WNW		A20-10113	8
A1104054	20-Aug-20	North Limb Line 7	587855	5409597	365	171258	A	2 to 3	High	Dry	On shallow slope, facing	S	Dark Brown	Firry shoots	Leaf Litter		Moose Maple	Birch	Balsam Fir	5	Moderate amount		NNW	On bedrock.	A20-10113	16
A1104055	20-Aug-20	North Limb Line 7	587851	5409621	366	136541	A	5	Moderate	Dry	On shallow slope, facing	SSE	Dark Brown	Leaf Litter	Ferns	Moss	Balsam Fir	Moose Maple	Birch	6	Some		ENE		A20-10113	8
A1104056	20-Aug-20	North Limb Line 7	587850	5409646	372	136541	A	10	Moderate	Dry	On shallow slope, facing	SE	Dark Brown	Moss	Firry shoots	Leaf Litter	Spruce	Balsam Fir	Moose Maple	4	Quite a bit		NE		A20-10113	9
A1104057	20-Aug-20	North Limb Line 7	587855	5409671	371	136541	A	5	Moderate	Dry	On moderate slope, facing	SE	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Birch	Spruce	4	Quite a bit		N		A20-10113	14
A1104058	20-Aug-20	North Limb Line 7	587848	5409696	380	136541	A	10	Moderate	Dry	Slight rise to	W	Dark Brown	Leaf Litter	Firry shoots	Moss	Birch	Balsam Fir	Spruce	6	Some		W	Some outcrop, D.K. samples to W, 1127277, 279.	A20-10113	5
A1104059	20-Aug-20	North Limb Line 7	587860	5409719	380	136541	A	5	Moderate	Dry	Slight rise to	W	Dark Brown	Leaf Litter	Moss	Firry shoots	Balsam Fir	Birch	Spruce	7	Some		WNW		A20-10113	8
A1104060	20-Aug-20	North Limb Line 7	587867	5409746	383	136541	A	15	Low		Moderate rise to	W	Dark Brown	Leaf Litter	Grass		Moose Maple	Birch	Cedar	6	Some		N		A20-10113	< 5
A1104061	20-Aug-20	North Limb Line 7	587864	5409768	382	136541	A	10	Moderate	Dry	Moderate rise to	W	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	6	Some		NW		A20-10113	< 5
A1104062	20-Aug-20	North Limb Line 7	587873	5409792	385	136541	A	15	Moderate	Dry	Moderate rise to	W	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Birch	Balsam Fir	5	Moderate amount		NNE		A20-10113	5
A1104063	20-Aug-20	North Limb Line 7	587866	5409821	378	136541	A	10	Low	Dry	Slight rise to	NW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	8	Not much		E		A20-10113	6

A1104064	20-Aug-20	North Limb Line 7	587853	5409846	382	136541	A	2 to 3	Moderate	Dry	Slight rise to	NNW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Balsam Fir	3	Quite a bit		N	Beside old trail or road.	A20-10113	6
A1104065	20-Aug-20	North Limb Line 7	587855	5409866	387	136541	A	2 to 3	Moderate	Dry	On shallow slope, facing	SE	Dark Brown	Leaf Litter	Firry shoots	Moss	Balsam Fir	Cedar	Birch	1	A lot		NE		A20-10113	12
A1104066	20-Aug-20	North Limb Line 7	587859	5409889	388	136541	A	10	Moderate	Dry	On shallow slope, facing	WSW	Dark Brown	Leaf Litter	Firry shoots	Moss	Moose Maple	Birch	Balsam Fir	5	Moderate amount		N		A20-10113	11
A1104067	21-Aug-20	North Limb Line 9	590651	5409459	385	113132	A	10	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Birch	9			E		A20-10113	< 5
A1104068	21-Aug-20	North Limb Line 9	590644	5409435	380	113132	A	10	Moderate	Dry	On moderate slope, facing	SSW	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Poplar	2	A lot		E		A20-10113	12
A1104069	21-Aug-20	North Limb Line 9	590644	5409412	372	113132	A	10	Moderate	Dry	On moderate slope, facing	SSW	Dark Brown	Leaf Litter			Moose Maple	Spruce	Balsam Fir	5	Moderate amount		E		A20-10113	11
A1104070	21-Aug-20	North Limb Line 9	590639	5409385	366	113132	A	15	Moderate	Dry	Moderate rise to	N	Dark Brown	Leaf Litter	Grass	Ferns	Moose Maple	Balsam Fir	Birch	7	Some		NE		A20-10113	9
A1104071	21-Aug-20	North Limb Line 9	590640	5409364	364	113132	A	10	Moderate	Dry	On moderate slope, facing	SSW	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Birch	7	Some		SSE		A20-10113	5
A1104072	21-Aug-20	North Limb Line 9	590642	5409338	363	113132	A	15	Moderate	Dry	On moderate slope, facing	S	Dark Brown	Leaf Litter	Grass	Moss	Moose Maple	Balsam Fir	Birch	9			NE		A20-10113	< 5
A1104073	21-Aug-20	North Limb Line 9	590639	5409309	360	113132	A	15	Moderate	Dry	Slight rise to	N	Dark Brown	Moss	Leaf Litter	Grass	Balsam Fir	Moose Maple	Birch	10			E		A20-10113	7
A1104074	22-Aug-20	North Limb Line 9	590649	5408965	372	234492	A	2-3	Moderate	Damp	On shallow slope, facing	E	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Spruce	1	A lot		N		A20-10113	8
A1104075	22-Aug-20	North Limb Line 9	590661	5408993	368	234492	A	5	Moderate	Dry	Slight rise to	WNW	Dark Brown	Leaf Litter	Ferns	Moss	Moose Maple	Birch		4	Quite a bit		N		A20-10113	14
A1104076	22-Aug-20	North Limb Line 9	590666	5409015	367	234492	A	5	Moderate	Dry	Slight rise to	SW	Dark Brown	Leaf Litter	Grass	Ferns	Moose Maple	Birch	Balsam Fir	2	A lot		SE		A20-10113	11
A1104077	22-Aug-20	North Limb Line 9	590659	5409035	362	234492	A	15	Moderate	Dry	On shallow slope, facing	ENE	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Balsam Fir	1	A lot		WSW		A20-10113	10
A1104078	22-Aug-20	North Limb Line 9	590658	5409062	361	234492	A	5	Moderate	Dry	Moderate rise to	W	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Birch	3	Quite a bit		W		A20-10113	14
A1104079	22-Aug-20	North Limb Line 9	590660	5409086	359	234492	A	5	Moderate	Dry	On shallow slope, facing	NE	Dark Brown	Leaf Litter	Firry shoots	Ferns	Moose Maple	Birch	Spruce	2	A lot		N		A20-10113	15
A1104080	22-Aug-20	North Limb Line 9	590652	5409110	357	234492	A	10	Moderate	Dry	On shallow slope, facing	NE	Dark Brown	Leaf Litter	Moss	Firry shoots	Moose Maple	Balsam Fir	Birch	6	Some		SW		A20-10113	9
A1104081	22-Aug-20	North Limb Line 9	590645	5409142	356	234492	A	5	Low	Damp	Slight rise to	SW	Dark Brown	Moss	Ferns	Leaf Litter	Alder	Birch	Spruce	9			NW		A20-10113	5
A1104082	22-Aug-20	North Limb Line 9	590653	5409164	352	234492	A	20	Low	Wet	Flat		Dark Brown	Moss	Labrador Tea	Grass	Spruce	Birch		10			E		A20-10113	< 5
A1104083	22-Aug-20	North Limb Line 9	590650	5409187	354	234492	A	15	Low	Wet	Flat		Dark Brown	Grass	Moss	Labrador Tea	Cedar	Spruce		1	A lot		SE	Hummocky, mainly vegetation.	A20-10113	< 5
A1104084	22-Aug-20	North Limb Line 9	590649	5409212	354	113132	A	20	Low	Wet	Flat		Dark Brown	Moss	Labrador Tea	Grass	Spruce	Cedar		4	Quite a bit		W		A20-10113	< 5
A1104085	22-Aug-20	North Limb Line 9	590659	5409238	355	113132	A	20	Low	Wet	Flat		Dark Brown	Grass	Moss	Labrador Tea	Spruce	Cedar		7	Some		NE		A20-10113	6
A1104086	22-Aug-20	North Limb Line 9	590662	5409264	355	113132	A	15	Low	Wet	Flat		Dark Brown	Moss	Labrador Tea	Grass	Spruce	Birch		10			NNE		A20-10113	< 5
A1104087	22-Aug-20	North Limb Line 9	590653	5409285	356	113132	A	15	Low	Damp	Slight rise to	N	Dark Brown	Leaf Litter	Grass	Moss	Moose Maple	Balsam Fir	Birch	9			N		A20-10113	< 5
A1104088	23-Aug-20	North Limb Line 11	591154	5409223	369	108980	A	5	Moderate	Dry	On shallow slope, facing	WSW	Dark Brown	Leaf Litter			Balsam Fir	Birch	Spruce	5	Moderate amount		E		A20-10113	13
A1104089	23-Aug-20	North Limb Line 11	591163	5409192	367	253302	A	2 to 3	Moderate	Dry	On shallow slope, facing	S	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Birch	3	Quite a bit		NE		A20-10113	26
A1104090	23-Aug-20	North Limb Line 11	591168	5409169	365	253302	A	5	Moderate	Dry	On moderate slope, facing	W	Dark Brown	Moss	Leaf Litter		Balsam Fir	Moose Maple	Birch	5	Moderate amount		SE		A20-10113	7
A1104091	23-Aug-20	North Limb Line 11	591165	5409148	363	253302	A	10	Moderate	Dry	Rolling		Dark Brown	Leaf Litter	Moss		Spruce	Birch	Balsam Fir	4	Quite a bit		NW		A20-10113	9
A1104092	23-Aug-20	North Limb Line 11	591167	5409123	360	253302	A	10	Low	Damp	Slight rise to	N	Dark Brown	Leaf Litter	Moss	Grass	Spruce	Cedar	Birch	10			SE		A20-10113	< 5
A1104093	23-Aug-20	North Limb Line 11	591166	5409101	355	253302	A	15	Low	Wet	Flat		Dark Brown	Moss	Grass	Labrador Tea	Cedar	Spruce	Birch	9			NW	Hummocky.	A20-10113	< 5
A1104094	23-Aug-20	North Limb Line 11	591156	5409072	355	253302	A	15	Moderate	Dry	On low mound		Dark Brown	Leaf Litter	Moss	Firry shoots	Cedar	Spruce	Birch	5	Moderate amount		S		A20-10113	< 5
A1104095	23-Aug-20	North Limb Line 11	591155	5409045	355	253302	A	10	Moderate	Dry	Flat		Dark Brown	Leaf Litter	Labrador Tea	Grass	Birch	Cedar	Spruce	7	Some		NW		A20-10113	< 5
A1104096	23-Aug-20	North Limb Line 11	591156	5409022	352	253302	A	10	Low	Damp	Flat		Dark Brown	Grass	Ferns	Firry shoots	Cedar	Birch	Spruce	10			SE		A20-10113	< 5
A1104097	23-Aug-20	North Limb Line 11	591154	5408998	352	253302	A	10	Low	Damp	Flat		Dark Brown	Moss	Grass	Leaf Litter	Moose Maple	Spruce	Birch	10			W		A20-10113	< 5

A1104098	23-Aug-20	North Limb Line 11	591160	5408975	351	253302	A	15	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Grass	Ferns	Balsam Fir	Spruce	Birch	9			NE		A20-10113	< 5
A1104099	23-Aug-20	North Limb Line 11	591147	5408951	351	253302	A	15	Low	Damp	Gently rolling		Dark Brown	Leaf Litter	Grass	Firry shoots	Spruce	Birch		9			NE		A20-10113	< 5
A1104100	23-Aug-20	North Limb Line 11	591148	5408924	350	253302	A	15	Low	Dry	Moderate rise to	WSW	Dark Brown	Leaf Litter	Moss		Spruce	Birch		5	Moderate amount		SW		A20-10113	6
A1104101	23-Aug-20	North Limb Line 11	591137	5408899	352	253302	A	5	Moderate	Dry	On shallow slope, facing	ENE	Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Spruce	4			NE		A20-10113	< 5
A1104102	23-Aug-20	North Limb Line 11	591149	5408870	347	253302	A	5	Moderate	Dry	On shallow slope, facing	NNE	Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Spruce	2	A lot		N		A20-10113	9
A1104103	23-Aug-20	North Limb Line 11	591150	5408850	349	253302	A	10	Moderate	Dry	Slight rise to	W	Dark Brown	Moss			Balsam Fir	Spruce	Birch	6	Some		NE		A20-10113	5
A1104104	23-Aug-20	North Limb Line 11	591150	5408824	348	253302	A	10	Moderate	Dry	On shallow slope, facing	E	Dark Brown	Leaf Litter	Firry shoots		Balsam Fir	Birch	Spruce	7	Some		W		A20-10113	9
A1104105	23-Aug-20	North Limb Line 11	591152	5408800	351	253302	A	5	Moderate	Dry	On moderate slope, facing	NNW	Dark Brown	Leaf Litter	Firry shoots	Ferns	Spruce	Birch	Balsam Fir	5	Moderate amount		SSW		A20-10113	< 5
A1104106	23-Aug-20	North Limb Line 11	591155	5408775	360	253302	A	5	Moderate	Dry	On shallow slope, facing	N	Dark Brown	Leaf Litter	Firry shoots	Moss	Alder	Birch	Balsam Fir	4	Quite a bit		S		A20-10113	< 5
A1104107	23-Aug-20	North Limb Line 11	591151	5408748	361	253302	A	2 to 3	Moderate	Dry	Slight rise to	SE	Dark Brown	Leaf Litter	Firry shoots	Ferns	Birch	Balsam Fir	Spruce	2	A lot		SE		A20-10113	11
A1104108	23-Aug-20	North Limb Line 11	591147	5408725	361	103613	A	10	Moderate	Dry	On moderate slope, facing	NW	Dark Brown	Ferns	Firry shoots	Moss	Balsam Fir	Moose Maple	Spruce	5	Moderate amount		SE		A20-10113	
A1104109	23-Aug-20	North Limb Line 10	590899	5408851	377	253302	A	5	Moderate	Dry	On shallow slope, facing	N	Dark Brown	Leaf Litter	Moss		Moose Maple	Birch	Balsam Fir	1	A lot		E		A20-10113	10
A1104110	23-Aug-20	North Limb Line 10	590892	5408877	370	253302	A	5	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Ferns	Moss	Alder	Birch		8	Not much		W		A20-10113	8
A1104111	23-Aug-20	North Limb Line 10	590895	5408902	369	253302	A	5	Low	Dry	Slight rise to	S	Dark Brown	Leaf Litter	Ferns		Moose Maple	Birch	Balsam Fir	5	Moderate amount		SW		A20-10113	5
A1104112	23-Aug-20	North Limb Line 10	590902	5408923	366	253302	A	5	Moderate	Dry	Moderate rise to	S	Dark Brown	Leaf Litter	Ferns		Birch	Moose Maple	Balsam Fir	2	A lot		W		A20-10113	2.5
A1104113	23-Aug-20	North Limb Line 10	590902	5408953	359	253302	A	5	Low	Dry	Slight rise to	S	Dark Brown	Leaf Litter	Firry shoots	Moss	Alder	Balsam Fir	Spruce	8	Not much		NW		A20-10113	2.5
A1104114	23-Aug-20	North Limb Line 10	590898	5408974	360	253302	A	10	Low	Dry	Gently rolling		Dark Brown	Leaf Litter	Firry shoots	Grass	Moose Maple	Alder	Birch	7	Some		E		A20-10113	2.5
A1104115	24-Aug-20	North Limb Line 10	590883	5409327	378	108980	A	2 to 3	Moderate	Dry	On moderate slope, facing	SSW	Dark Brown	Leaf Litter	Moss		Moose Maple	Balsam Fir	Birch	5	Moderate amount		ENE		A20-10113	16
A1104116	24-Aug-20	North Limb Line 10	590886	5409299	366	108980	A	5	Moderate	Dry	On moderate slope, facing	SSW	Dark Brown	Leaf Litter	Moss	Ferns	Moose Maple	Birch	Balsam Fir	5	Moderate amount		ENE		A20-10113	33
A1104117	24-Aug-20	North Limb Line 10	590884	5409274	365	108980	A	5	Moderate	Dry	On moderate slope, facing	SW	Dark Brown	Leaf Litter	Firry shoots		Moose Maple	Balsam Fir	Birch	5	Moderate amount		E		A20-10113	10
A1104118	24-Aug-20	North Limb Line 10	590891	5409248	364	108980	A	10	Moderate		Gently rolling		Dark Brown	Leaf Litter	Moss		Balsam Fir	Moose Maple	Birch	5			E		A20-10113	2.5
A1104119	24-Aug-20	North Limb Line 10	590890	5409225	357	108980	A	15	Low	Damp	Slight rise to	N	Dark Brown	Moss	Grass	Ferns	Spruce	Balsam Fir	Birch	10					A20-10113	2.5
A1104120	24-Aug-20	North Limb Line 10	590890	5409200	352	253302	A	15	Low	Wet	Flat		Dark Brown	Moss	Grass	Labrador Tea	Spruce	Birch		6	Moderate amount		NNW		A20-10113	2.5
A1104121	24-Aug-20	North Limb Line 10	590890	5409177	352	253302	A	15	Low	Wet	Flat		Dark Brown	Grass	Moss	Labrador Tea	Spruce	Cedar		8	Not much		E		A20-10113	2.5
A1104122	24-Aug-20	North Limb Line 10	590893	5409151	353	253302	A	15	Low	Wet	Flat		Dark Brown	Moss	Grass	Labrador Tea	Spruce	Cedar	Birch	9			NE		A20-10113	2.5
A1104123	24-Aug-20	North Limb Line 10	590900	5409126	353	253302	A	15	Low	Wet	Flat		Dark Brown	Moss	Grass	Labrador Tea	Cedar	Alder	Birch	9			NW		A20-10113	2.5
A1104124	24-Aug-20	North Limb Line 10	590902	5409100	355	253302	A	15	Low	Wet	Flat		Dark Brown	Moss	Grass	Labrador Tea	Cedar	Spruce		9			E		A20-10113	2.5
A1104125	24-Aug-20	North Limb Line 10	590895	5409073	355	253302	A	20	Low	Wet	Flat		Dark Brown	Moss	Grass		Spruce	Cedar	Birch	9			NW		A20-10113	2.5
A1104126	24-Aug-20	North Limb Line 10	590883	5409045	357	253302	A	15	Low	Wet	Flat		Dark Brown	Moss	Grass	Firry shoots	Cedar			10			SW		A20-10113	2.5
A1104127	24-Aug-20	North Limb Line 10	590889	5409022	357	253302	A	15	Moderate	Dry	On shallow slope, facing	NNE	Dark Brown	Leaf Litter	Moss		Balsam Fir	Spruce	Birch	8	Not much		SW		A20-10113	2.5
A1104128	24-Aug-20	North Limb Line 10	590896	5408997	354	253302	A	15	Moderate	Dry	Gently rolling		Dark Brown	Leaf Litter	Moss		Balsam Fir	Birch	Spruce	5	Moderate amount				A20-10113	2.5

APPENDIX IV

Soil Assay Certificates (Act Labs)

Quality Analysis ... *Innovative Technologies*

Report No.: **A20-10113**
Report Date: **19-Oct-20**
Date Submitted: **27-Aug-20**
Your Reference: **CR-076**

Hemlo Explorers Inc.
141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

265 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-2-0.5g	QOP AquaGeo/QOP Ultratrace-1 (Aqua Regia ICPOES/ICPMS)	2020-09-24 13:03:57

REPORT **A20-10113**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Report No.: **A20-10113**
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Your Reference: **CR-076**

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141 Adelaide Street West, Suite 301
Toronto ON M5H 3L5
Canada

ATTN: Fraser Laschinger (inv)

CERTIFICATE OF ANALYSIS

265 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Timmins	QOP AA-Au (Au - Fire Assay AA)	2020-09-23 15:28:11

REPORT **A20-10113**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

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

CERTIFIED BY:

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Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527752	1.5	0.1	6	0.016	0.12	0.27	0.120	0.178	0.12	0.77	11	8	0.01	1220	0.47	4.7	6.2	14.8	164	1.55	< 0.1	2.8	1.1
A527753	2.9	0.1	7	0.020	0.20	0.53	0.072	0.105	0.11	0.44	21	25	0.02	231	0.79	2.7	9.9	13.8	109	3.01	< 0.1	3.1	1.4
A527754	0.6	0.1	8	0.020	0.12	0.22	0.084	0.546	0.02	1.77	8	5	< 0.01	69	0.44	1.8	14.5	56.2	89.3	0.85	0.2	1.9	1.8
A527755	0.5	< 0.1	12	0.016	0.22	0.17	0.061	0.378	0.02	2.75	6	5	< 0.01	42	0.18	0.8	64.9	43.1	65.7	0.68	0.2	2.4	1.5
A527756	2.9	0.1	17	0.020	0.34	0.44	0.088	0.172	0.07	3.28	14	20	0.01	388	0.50	3.5	102	92.2	44.2	1.26	0.2	2.3	1.8
A527757	0.7	0.2	17	0.018	0.26	0.25	0.068	0.503	0.03	3.45	17	6	< 0.01	16	0.23	1.0	478	246	18.9	1.10	0.5	2.0	3.0
A527758	1.7	0.1	6	0.017	0.10	0.31	0.079	0.131	0.09	0.59	17	9	0.02	215	0.58	1.1	7.8	9.6	77.2	2.16	0.1	4.1	1.4
A527759	1.7	0.1	5	0.017	0.08	0.36	0.088	0.120	0.08	0.57	12	8	0.02	890	0.63	2.3	7.2	10.8	50.7	2.02	< 0.1	3.4	1.5
A527760	2.3	0.1	6	0.025	0.12	0.41	0.084	0.089	0.10	0.40	19	9	0.03	1070	0.75	1.9	4.5	8.8	65.7	2.37	< 0.1	2.6	1.0
A527761	2.2	0.1	5	0.023	0.11	0.45	0.095	0.097	0.10	0.33	15	8	0.02	404	0.65	4.0	4.2	9.5	46.9	2.44	< 0.1	2.0	1.4
A527762	1.3	0.1	5	0.020	0.09	0.26	0.096	0.097	0.10	0.30	12	7	0.02	774	0.56	1.2	3.6	7.5	68.9	1.79	< 0.1	2.4	1.1
A527763	2.0	0.1	5	0.026	0.12	0.37	0.088	0.094	0.09	0.34	17	9	0.03	1160	0.68	2.0	3.8	7.2	73.7	2.20	< 0.1	3.0	1.2
A527764	1.6	< 0.1	5	0.026	0.10	0.37	0.071	0.097	0.08	0.34	16	9	0.03	103	0.64	1.4	4.7	6.9	54.7	2.33	< 0.1	2.7	1.1
A527765	2.1	0.1	5	0.023	0.10	0.36	0.090	0.100	0.10	0.31	13	9	0.03	238	0.56	1.6	6.7	15.5	66.0	2.12	< 0.1	2.5	1.2
A527766	1.0	0.2	9	0.018	0.17	0.59	0.092	0.251	0.04	2.41	8	9	< 0.01	335	0.35	21.6	78.4	398	28.1	0.79	0.2	2.1	1.8
A527767	0.6	0.2	8	0.017	0.17	0.37	0.061	0.179	0.04	2.89	6	6	< 0.01	637	0.36	19.2	31.5	111	55.6	0.90	0.4	4.1	1.8
A527768	0.5	0.1	7	0.018	0.18	0.17	0.071	0.216	0.03	2.29	5	3	< 0.01	186	0.28	3.6	6.7	17.1	23.9	0.83	0.2	3.4	1.5
A527769	0.2	0.1	2	0.019	0.08	0.09	0.052	0.177	0.01	0.90	3	3	< 0.01	11	0.14	0.5	2.0	5.0	18.1	0.42	0.1	2.6	1.2
A527770	0.6	0.1	4	0.017	0.07	0.20	0.070	0.130	0.06	0.65	6	4	< 0.01	60	0.27	0.6	3.4	7.5	32.7	1.09	0.2	4.3	1.7
A527771	1.4	0.2	6	0.020	0.20	0.42	0.057	0.681	0.02	2.37	11	7	0.01	42	0.26	2.3	9.1	87.3	46.5	0.98	0.1	2.5	2.1
A527772	2.2	0.2	5	0.025	0.13	0.52	0.067	0.524	0.03	1.49	11	8	< 0.01	814	0.56	5.1	11.0	171	79.6	1.06	< 0.1	2.4	2.4
A527773	0.8	< 0.1	6	0.018	0.08	0.19	0.102	0.154	0.08	0.66	7	4	< 0.01	945	0.32	0.7	3.2	9.9	94.8	1.08	< 0.1	3.1	1.4
A527774	4.9	0.2	4	0.029	0.20	1.06	0.088	0.130	0.06	0.35	30	14	0.04	168	1.52	5.7	9.4	34.6	35.8	3.94	< 0.1	3.1	1.3
A527775	8.2	0.2	4	0.033	0.33	0.92	0.070	0.077	0.08	0.37	34	23	0.06	350	1.38	7.0	13.6	24.4	42.6	4.62	< 0.1	2.9	1.1
A527776	8.0	0.3	5	0.029	0.24	1.29	0.127	0.138	0.09	0.49	35	18	0.04	8020	1.99	69.4	11.9	45.7	64.3	4.75	< 0.1	6.6	1.7
A527777	1.2	< 0.1	4	0.018	0.07	0.27	0.101	0.215	0.07	0.46	9	6	< 0.01	92	0.38	1.0	4.2	9.4	38.5	1.29	0.2	3.4	1.4
A527778	3.1	0.2	6	0.038	0.19	0.56	0.097	0.118	0.10	0.65	21	8	0.03	1070	1.01	3.2	4.2	14.1	78.3	3.17	< 0.1	3.4	1.6
A527779	1.1	0.2	7	0.019	0.14	0.47	0.089	0.182	0.06	1.80	8	5	< 0.01	812	0.41	2.4	5.3	28.5	84.6	0.98	0.1	3.8	1.8
A527780	2.1	0.1	4	0.022	0.10	0.37	0.082	0.120	0.07	0.38	13	8	0.02	72	0.54	1.5	4.6	13.1	46.0	1.94	0.1	3.5	1.5
A527781	3.1	0.2	5	0.020	0.14	0.56	0.098	0.170	0.07	0.66	16	11	0.02	142	0.77	3.5	7.4	18.8	25.9	2.26	< 0.1	4.6	1.6
A527782	0.8	0.1	4	0.016	0.09	0.20	0.125	0.207	0.08	0.55	8	5	< 0.01	116	0.32	0.9	4.3	19.8	73.0	0.99	0.1	3.0	1.4
A527783	1.4	< 0.1	6	0.021	0.08	0.27	0.088	0.100	0.10	0.33	11	6	0.02	751	0.49	0.8	2.8	10.1	140	1.57	< 0.1	1.9	1.3
A527784	4.0	0.5	3	0.021	0.13	0.89	0.083	0.084	0.09	0.34	23	11	0.02	6570	1.08	38.7	6.4	14.3	75.5	3.69	< 0.1	5.3	1.3
A527785	5.3	0.5	7	0.020	0.22	0.95	0.122	0.135	0.10	1.46	24	12	0.01	7760	1.01	13.0	12.4	25.2	165	3.51	< 0.1	5.5	1.6
A527786	2.0	0.2	7	0.019	0.14	0.68	0.162	0.193	0.09	1.51	12	9	< 0.01	6650	0.70	11.8	6.2	20.1	114	1.78	< 0.1	4.1	1.9
A527787	2.6	0.1	6	0.022	0.12	0.54	0.093	0.114	0.09	0.61	17	9	0.02	2080	0.68	4.0	4.7	11.8	81.4	2.67	< 0.1	4.5	1.5
A527788	2.1	< 0.1	7	0.020	0.11	0.41	0.117	0.129	0.11	0.44	15	9	0.02	1940	0.67	2.4	4.9	9.4	197	2.34	< 0.1	3.0	1.6
A527789	4.5	0.1	6	0.024	0.17	0.51	0.119	0.119	0.09	0.54	22	13	0.04	4340	0.91	7.9	7.4	9.3	152	3.33	< 0.1	4.0	1.3
A527790	1.5	0.2	5	0.022	0.10	0.40	0.109	0.105	0.10	0.42	9	8	0.01	722	0.62	1.6	11.6	17.3	96.7	2.00	< 0.1	2.9	1.3
A527791	2.3	0.1	6	0.030	0.17	0.48	0.100	0.102	0.12	0.61	22	12	0.04	3050	0.82	5.2	6.9	15.1	140	2.92	< 0.1	3.2	1.3
A527792	1.8	< 0.1	8	0.020	0.15	0.32	0.133	0.130	0.15	0.80	12	14	0.01	2890	0.63	4.2	10.9	15.0	213	2.03	< 0.1	2.3	1.4
A527793	1.8	0.1	7	0.019	0.11	0.34	0.141	0.152	0.11	0.90	11	9	0.01	1250	0.55	2.9	7.6	10.1	151	1.87	< 0.1	2.6	1.5
A527794	2.0	0.1	8	0.019	0.12	0.35	0.141	0.173	0.10	1.18	12	8	0.01	3990	0.59	7.5	9.0	12.6	207	1.99	< 0.1	3.4	1.9
A527795	12.2	0.4	4	0.031	0.39	1.59	0.089	0.099	0.09	0.49	32	27	0.05	1200	1.54	11.5	17.4	28.8	59.1	4.44	< 0.1	3.6	1.4
A527796	2.2	0.2	6	0.021	0.10	0.55	0.110	0.154	0.10	0.40	14	9	0.01	160	0.61	2.2	5.6	14.6	79.0	2.53	0.1	3.9	1.5
A527797	2.2	0.1	6	0.021	0.13	0.43	0.087	0.106	0.09	0.40	16	9	0.02	2380	0.70	2.9	4.3	9.2	97.7	2.09	< 0.1	2.3	1.4
A527798	3.3	0.1	6	0.031	0.14	0.51	0.107	0.110	0.12	0.74	16	11	0.01	1640	0.71	4.5	5.9	10.5	85.5	2.45	< 0.1	2.3	1.3
A527799	2.4	0.1	6	0.027	0.14	0.44	0.116	0.169	0.08	0.56	21	12	0.03	1070	0.81	2.7	5.3	14.4	65.0	2.80	0.1	3.9	1.5
A527800	10.9	0.5	7	0.037	0.39	1.74	0.185	0.162	0.10	1.36	34	22	0.02	6080	1.66	15.1	15.7	30.1	116	5.06	< 0.1	5.9	1.8
A527913	2.2	0.2	5	0.026	0.10	0.49	0.076	0.082	0.08	0.22	16	14	0.01	237	1.15	1.5	4.4	10.8	98.1	2.51	< 0.1	3.3	1.4
A527914	7.8	0.2	5	0.034	0.32	0.83	0.100	0.114	0.08	0.70	30	22	0.04	2640	1.63	10.1	12.0	21.3	90.8	3.40	< 0.1	3.2	1.3

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527915	1.7	0.1	6	0.028	0.11	0.37	0.097	0.111	0.10	0.44	12	11	0.02	2320	0.77	2.2	3.8	9.0	70.0	2.00	< 0.1	2.3	1.2
A527916	1.3	< 0.1	5	0.019	0.10	0.24	0.147	0.154	0.12	0.36	8	6	0.01	1330	0.49	1.2	3.5	10.6	122	1.48	< 0.1	2.7	1.3
A527917	2.9	0.3	4	0.034	0.19	0.76	0.131	0.131	0.09	0.43	22	17	0.01	1860	1.34	16.1	11.3	16.8	85.2	2.68	< 0.1	3.8	1.5
A527918	2.4	0.2	6	0.022	0.13	0.43	0.129	0.128	0.12	0.36	18	12	0.02	1400	0.88	3.8	5.1	11.6	98.7	2.50	< 0.1	2.8	1.3
A527919	3.5	0.1	5	0.053	0.26	0.69	0.078	0.075	0.11	0.51	58	30	0.05	1360	1.77	12.1	12.8	13.3	109	4.33	< 0.1	2.4	1.3
A527920	0.8	< 0.1	4	0.017	0.06	0.17	0.119	0.167	0.07	0.32	7	5	< 0.01	390	0.35	1.2	3.5	12.3	84.2	0.94	0.1	3.7	1.5
A527921	3.1	0.1	4	0.069	0.29	0.74	0.043	0.041	0.09	0.60	42	17	0.11	526	1.92	4.8	4.5	6.9	51.4	5.57	< 0.1	2.5	1.0
A527922	2.4	0.1	5	0.029	0.15	0.46	0.082	0.087	0.07	0.23	16	17	0.02	235	1.04	1.6	4.8	8.1	59.7	2.20	< 0.1	3.2	1.4
A527923	1.8	0.1	4	0.029	0.12	0.44	0.049	0.065	0.05	0.44	15	13	0.02	2000	0.90	7.5	5.6	13.5	66.9	2.37	< 0.1	1.9	1.1
A527924	1.5	0.2	5	0.019	0.10	0.40	0.066	0.115	0.07	1.24	11	8	0.01	351	0.59	2.2	4.8	14.1	36.0	1.83	0.1	5.9	2.0
A527925	0.8	< 0.1	5	0.019	0.07	0.23	0.067	0.133	0.07	0.48	8	8	< 0.01	72	0.48	0.9	3.0	7.3	34.4	0.67	0.2	3.2	0.9
A527926	1.6	< 0.1	5	0.019	0.06	0.36	0.069	0.115	0.09	0.32	11	12	0.02	92	0.83	1.1	3.4	6.7	43.5	1.44	0.1	3.7	1.1
A527927	1.1	0.1	9	0.020	0.10	0.51	0.098	0.169	0.07	2.64	8	8	< 0.01	1100	0.47	5.3	5.4	45.1	96.6	0.85	0.2	4.9	1.8
A527928	0.4	0.1	8	0.020	0.15	0.52	0.070	0.170	0.02	3.35	5	5	< 0.01	605	0.36	5.0	10.6	66.3	59.7	< 0.02	< 0.1	3.1	1.5
A527929	1.8	0.3	10	0.021	0.17	0.64	0.081	0.181	0.05	2.75	8	8	< 0.01	418	0.55	2.7	12.0	56.5	74.9	0.44	0.2	3.3	1.4
A527930	6.0	0.3	8	0.019	0.22	1.21	0.099	0.181	0.06	1.92	14	17	0.02	1200	1.08	6.4	13.9	62.3	77.7	1.30	< 0.1	4.5	1.9
A527931	14.2	0.4	6	0.036	0.50	1.71	0.105	0.136	0.06	1.40	35	29	0.07	1800	2.60	16.4	15.8	54.5	96.8	4.26	< 0.1	5.8	1.2
A527932	0.9	< 0.1	5	0.017	0.05	0.21	0.084	0.142	0.11	0.41	7	7	< 0.01	193	0.43	0.7	3.5	7.3	48.6	0.60	0.1	2.1	1.1
A527933	1.7	0.1	5	0.021	0.07	0.39	0.070	0.078	0.11	0.18	12	14	0.02	187	1.00	1.1	3.5	7.0	31.1	1.85	< 0.1	1.9	0.9
A527934	1.9	< 0.1	6	0.022	0.10	0.33	0.104	0.111	0.10	0.29	13	14	0.02	1400	0.87	1.6	4.2	7.4	45.0	1.38	< 0.1	1.9	0.9
A527935	2.3	0.1	6	0.020	0.10	0.45	0.101	0.141	0.11	0.32	16	15	0.02	2040	0.83	2.9	4.6	8.6	90.4	1.83	< 0.1	3.4	1.2
A527936	1.6	< 0.1	6	0.020	0.07	0.38	0.122	0.181	0.11	0.30	11	9	0.01	180	0.59	1.1	3.8	6.6	77.7	1.25	0.1	3.5	1.3
A527937	1.4	< 0.1	7	0.016	0.09	0.29	0.149	0.172	0.12	0.78	8	7	< 0.01	1980	0.42	1.8	3.5	9.0	91.1	0.44	< 0.1	1.4	1.0
A527938	1.5	< 0.1	8	0.015	0.09	0.32	0.148	0.173	0.15	0.73	10	8	0.01	2140	0.47	2.9	4.4	9.3	90.7	0.46	< 0.1	2.7	1.0
A527939	1.0	< 0.1	8	0.015	0.09	0.22	0.136	0.158	0.13	0.89	7	6	< 0.01	2250	0.32	1.8	5.3	9.2	144	< 0.02	< 0.1	1.7	0.7
A527940	5.1	< 0.1	5	0.024	0.23	0.47	0.131	0.115	0.15	0.49	21	24	0.05	2620	1.45	7.9	8.3	11.1	101	1.82	< 0.1	2.9	0.7
A527941	1.4	< 0.1	7	0.016	0.08	0.31	0.137	0.159	0.13	0.57	10	8	0.01	2040	0.48	1.7	4.0	8.9	97.9	0.50	< 0.1	2.1	0.8
A527942	1.5	0.1	5	0.017	0.08	0.39	0.147	0.179	0.12	0.39	10	8	0.01	380	0.55	1.1	3.9	10.1	47.1	0.94	0.1	3.9	0.8
A527943	1.5	0.2	5	0.023	0.10	0.37	0.103	0.116	0.13	0.43	11	14	0.02	626	0.61	1.5	4.3	10.8	107	0.86	< 0.1	3.0	0.8
A527944	4.9	0.5	5	0.020	0.15	1.33	0.156	0.178	0.10	0.30	19	16	0.01	715	1.47	17.8	10.8	17.9	33.1	2.34	< 0.1	4.4	1.6
A527945	1.3	0.1	4	0.020	0.07	0.45	0.093	0.128	0.08	0.30	10	8	0.01	101	0.54	2.1	3.8	6.7	47.2	1.14	0.1	3.9	0.7
A527946	0.9	< 0.1	2	0.025	0.04	0.28	0.056	0.076	0.06	0.20	7	10	0.01	157	0.72	1.1	3.3	9.6	51.7	0.71	< 0.1	3.2	0.7
A527947	1.2	0.2	5	0.016	0.07	0.57	0.106	0.163	0.10	0.37	7	7	0.01	105	0.57	7.4	6.4	21.2	44.8	0.56	< 0.1	1.5	1.1
A527948	10.6	0.5	5	0.033	0.27	1.49	0.094	0.090	0.08	0.86	24	27	0.04	959	1.64	6.6	15.7	26.0	50.4	2.58	< 0.1	1.7	0.6
A527949	2.0	0.2	6	0.017	0.14	0.48	0.125	0.216	0.10	1.16	10	9	< 0.01	1800	0.51	3.1	6.7	14.7	34.0	0.39	0.1	5.2	1.1
A527950	0.7	0.1	4	0.019	0.05	0.23	0.053	0.107	0.06	0.42	7	8	< 0.01	66	0.48	0.8	5.4	8.8	45.5	0.23	< 0.1	2.5	1.0
A527951	0.7	0.2	9	0.017	0.15	0.27	0.068	0.148	0.05	2.50	8	6	< 0.01	1300	0.21	1.4	4.3	53.9	76.8	0.16	0.2	2.5	1.2
A527952	9.8	0.3	5	0.036	0.28	1.13	0.093	0.105	0.08	1.04	22	24	0.04	1480	1.66	6.1	10.5	15.9	68.7	2.51	< 0.1	2.9	0.8
A527953	1.6	< 0.1	5	0.025	0.07	0.30	0.058	0.065	0.09	0.20	10	14	0.02	271	0.92	0.9	3.0	5.6	31.1	1.39	< 0.1	1.1	0.5
A527954	1.3	< 0.1	7	0.021	0.06	0.24	0.076	0.109	0.10	0.40	9	10	0.02	1580	0.55	0.9	2.8	7.8	52.6	1.06	< 0.1	1.4	0.6
A527955	1.6	< 0.1	6	0.017	0.08	0.36	0.116	0.163	0.09	0.31	13	10	0.02	288	0.73	1.6	4.1	12.2	51.6	1.39	0.1	3.8	1.2
A527956	2.8	0.2	6	0.022	0.17	0.50	0.088	0.136	0.08	0.81	15	14	0.02	4470	1.23	13.9	5.1	10.1	60.3	1.51	< 0.1	4.5	0.7
A527957	7.3	0.2	7	0.033	0.27	0.97	0.084	0.108	0.11	1.09	29	24	0.05	9520	1.81	23.1	9.3	16.4	130	3.21	< 0.1	7.4	1.3
A527958	1.7	< 0.1	5	0.032	0.07	0.39	0.041	0.051	0.07	0.20	12	15	0.03	143	1.05	1.1	3.2	6.3	27.5	1.85	< 0.1	1.5	1.0
A527959	1.2	< 0.1	6	0.020	0.12	0.26	0.092	0.128	0.10	0.53	11	12	0.02	2460	0.68	1.0	3.0	8.2	72.5	1.25	< 0.1	1.1	0.6
A527960	1.7	< 0.1	4	0.019	0.07	0.51	0.144	0.155	0.10	0.12	14	9	0.01	122	0.92	1.7	3.9	13.7	59.3	1.87	0.1	3.4	1.4
A527961	0.7	< 0.1	3	0.018	0.05	0.21	0.084	0.150	0.06	0.23	6	6	< 0.01	187	0.27	0.6	2.3	8.2	119	0.47	0.1	2.6	0.6
A527962	2.1	0.4	6	0.018	0.13	0.89	0.177	0.300	0.04	1.65	10	12	< 0.01	747	0.60	4.5	8.6	28.1	84.2	0.60	< 0.1	2.0	1.1
A527963	3.3	0.1	4	0.026	0.13	0.49	0.084	0.105	0.09	0.33	21	15	0.04	491	1.12	6.1	5.8	10.9	55.5	2.09	< 0.1	1.6	0.7
A527964	4.2	0.2	4	0.026	0.22	0.92	0.160	0.146	0.11	0.70	25	18	0.02	7460	1.63	36.4	8.9	22.4	53.0	2.16	< 0.1	4.6	0.9
A527965	1.7	< 0.1	6	0.020	0.08	0.37	0.126	0.144	0.11	0.29	11	12	0.01	527	0.72	1.2	3.9	8.6	69.4	1.30	0.1	3.3	1.5

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527966	1.5	0.1	5	0.025	0.08	0.45	0.119	0.148	0.12	0.36	9	8	0.01	203	0.55	2.6	4.8	9.0	45.3	0.86	0.1	2.9	0.7
A527967	7.1	0.6	6	0.023	0.22	1.34	0.118	0.140	0.12	0.62	22	20	0.02	8130	1.63	26.1	10.6	14.0	60.0	2.58	< 0.1	5.6	1.2
A527968	2.0	0.5	6	0.025	0.12	0.67	0.105	0.166	0.09	0.86	8	9	< 0.01	1130	0.53	5.2	6.0	15.8	24.7	0.62	< 0.1	0.8	0.4
A527969	4.0	0.3	4	0.021	0.13	0.89	0.126	0.142	0.10	0.42	14	15	0.02	1040	1.12	9.8	6.1	11.5	31.8	2.20	< 0.1	2.1	0.9
A527970	1.5	0.1	7	0.024	0.09	0.42	0.102	0.136	0.12	0.47	12	12	0.02	832	0.71	1.2	3.4	9.4	62.6	1.68	< 0.1	2.2	1.0
A527971	0.8	< 0.1	5	0.025	0.07	0.23	0.071	0.155	0.09	0.47	6	6	< 0.01	69	0.32	0.7	2.9	6.2	41.8	0.53	0.2	4.2	1.2
A527972	0.3	< 0.1	4	0.051	0.09	0.18	0.101	0.303	0.05	0.99	4	4	< 0.01	51	0.18	0.7	2.3	7.4	12.7	0.06	0.1	1.8	0.7
A527973	2.0	< 0.1	4	0.026	0.09	0.39	0.095	0.117	0.10	0.28	11	13	0.02	165	0.92	1.9	5.1	9.5	78.8	1.32	< 0.1	0.9	0.8
A527974	1.6	< 0.1	6	0.023	0.07	0.33	0.076	0.101	0.12	0.33	14	12	0.02	256	0.77	0.8	3.6	7.9	44.5	1.51	< 0.1	2.0	0.7
A527975	2.1	< 0.1	4	0.033	0.10	0.39	0.070	0.095	0.09	0.31	21	16	0.05	216	1.11	1.8	4.5	7.5	44.0	2.09	< 0.1	2.0	1.3
A527976	0.7	0.2	7	0.019	0.12	0.58	0.109	0.674	0.03	2.45	9	5	< 0.01	55	0.56	7.0	6.4	34.8	66.1	0.28	0.4	1.4	1.1
A527977	3.8	0.5	8	0.023	0.17	0.83	0.123	0.159	0.11	1.16	15	11	0.01	5090	0.84	22.6	12.7	19.7	157	0.85	< 0.1	4.7	1.6
A527978	3.2	0.4	6	0.022	0.14	0.82	0.095	0.117	0.10	0.86	14	10	0.01	3020	0.68	33.9	8.6	21.5	84.9	1.86	< 0.1	5.5	1.6
A527979	1.9	< 0.1	6	0.020	0.10	0.33	0.121	0.156	0.12	0.61	10	7	0.01	790	0.41	1.7	3.6	13.1	149	0.72	0.1	2.5	0.9
A527980	2.9	< 0.1	7	0.021	0.13	0.48	0.100	0.127	0.14	0.59	14	9	0.02	1960	0.60	3.6	4.3	9.3	158	1.11	< 0.1	3.2	0.8
A527981	2.1	0.2	7	0.019	0.11	0.48	0.143	0.177	0.14	0.54	12	8	0.01	608	0.49	2.2	4.6	10.3	96.6	1.28	0.2	4.1	1.3
A527982	1.3	< 0.1	7	0.019	0.08	0.28	0.143	0.203	0.12	0.56	8	6	< 0.01	339	0.36	1.5	3.5	10.4	124	0.02	0.2	2.9	1.0
A527983	3.6	0.5	7	0.019	0.16	1.04	0.181	0.197	0.09	1.09	12	11	< 0.01	3490	0.73	12.5	7.4	50.4	87.6	1.06	< 0.1	4.7	1.6
A527984	1.2	0.1	7	0.020	0.12	0.34	0.092	0.183	0.07	1.31	8	6	< 0.01	401	0.38	1.4	3.3	12.2	65.9	0.24	0.1	3.2	0.9
A527985	0.7	< 0.1	5	0.017	0.07	0.16	0.109	0.197	0.08	0.56	5	4	< 0.01	172	0.21	1.8	2.6	12.4	73.2	< 0.02	0.1	2.3	1.2
A527986	1.1	< 0.1	9	0.019	0.09	0.22	0.134	0.163	0.14	0.56	7	5	< 0.01	1120	0.26	1.0	3.0	9.0	103	0.08	0.1	1.4	1.2
A527987	2.8	< 0.1	6	0.025	0.12	0.39	0.097	0.124	0.09	0.49	13	9	0.03	2670	0.54	4.0	4.2	7.3	78.9	1.09	< 0.1	2.7	0.7
A527988	1.2	< 0.1	5	0.018	0.06	0.27	0.128	0.154	0.08	0.31	8	7	0.01	847	0.36	1.4	4.0	12.2	95.8	< 0.02	< 0.1	1.6	1.0
A527989	2.0	0.2	5	0.024	0.08	0.51	0.121	0.112	0.08	0.23	12	10	0.01	416	0.62	2.7	4.0	13.4	56.8	2.11	< 0.1	2.1	0.8
A527990	1.7	0.2	5	0.024	0.08	0.50	0.109	0.117	0.10	0.24	11	8	< 0.01	233	0.58	1.9	3.9	10.5	39.6	1.26	< 0.1	2.6	0.7
A527991	1.4	0.2	4	0.017	0.06	0.85	0.160	0.178	0.07	0.13	9	7	< 0.01	107	0.64	1.8	4.1	8.8	47.9	1.51	< 0.1	2.5	0.9
A527992	2.9	0.2	4	0.017	0.08	0.86	0.145	0.137	0.08	0.12	13	9	0.02	100	0.70	2.4	4.7	13.4	26.9	2.71	< 0.1	1.9	0.6
A527993	2.8	0.2	3	0.018	0.10	0.66	0.146	0.159	0.09	0.18	13	10	0.01	262	1.37	4.5	5.3	11.1	42.3	1.55	< 0.1	3.6	1.1
A527994	1.1	< 0.1	6	0.016	0.08	0.25	0.091	0.183	0.07	0.97	7	6	< 0.01	132	0.30	1.2	4.1	10.9	42.6	0.23	0.3	3.7	1.2
A527995	1.5	< 0.1	6	0.016	0.08	0.29	0.093	0.124	0.10	0.53	10	7	0.02	297	0.43	1.1	2.9	6.2	53.4	0.69	0.1	1.7	1.0
A527996	3.3	0.2	7	0.020	0.14	0.53	0.081	0.091	0.12	0.59	20	13	0.03	2450	0.78	4.0	6.7	13.4	75.8	1.94	< 0.1	4.0	1.4
A527997	0.7	0.1	6	0.021	0.05	0.21	0.079	0.149	0.07	0.82	6	5	< 0.01	336	0.28	0.7	2.9	7.0	46.1	< 0.02	0.1	4.2	1.0
A527998	7.4	0.2	10	0.020	0.26	1.12	0.091	0.172	0.08	1.96	16	18	0.02	2450	1.34	9.7	12.7	61.3	75.8	1.11	< 0.1	4.3	1.4
A527999	0.8	0.2	5	0.014	0.09	0.51	0.063	0.139	0.06	0.91	7	4	< 0.01	27	0.40	1.6	3.3	39.8	39.6	1.16	0.2	4.5	0.5
A528000	0.6	< 0.1	4	0.014	0.07	0.31	0.086	0.155	0.06	0.32	5	5	< 0.01	54	0.30	1.8	3.2	10.5	101	0.14	0.1	1.8	0.8
A1104001	0.7	0.5	9	0.015	0.18	0.54	0.077	0.325	0.04	2.49	8	7	< 0.01	75	0.32	5.9	5.9	219	59.0	0.64	0.1	1.5	1.8
A1104002	1.2	< 0.1	4	0.021	0.05	0.29	0.071	0.087	0.10	0.24	9	7	0.01	66	0.49	0.7	3.0	6.7	40.1	0.99	< 0.1	2.0	0.8
A1104003	2.5	0.3	5	0.016	0.21	0.75	0.086	0.144	0.05	1.91	10	9	0.01	276	0.73	2.6	4.7	8.7	40.8	1.43	< 0.1	4.1	1.0
A1104004	2.1	0.1	3	0.020	0.08	0.38	0.057	0.093	0.06	0.35	10	8	0.02	48	0.54	1.1	2.7	5.6	28.7	1.39	< 0.1	3.1	0.8
A1104005	0.7	< 0.1	3	0.016	0.06	0.20	0.069	0.105	0.06	0.41	6	4	< 0.01	73	0.21	0.9	2.4	7.1	110	< 0.02	0.1	2.4	0.7
A1104006	1.3	0.1	3	0.025	0.04	0.73	0.101	0.144	0.08	0.12	9	8	0.01	25	0.59	1.9	3.3	8.4	33.7	1.51	0.1	4.2	0.9
A1104007	1.8	< 0.1	9	0.016	0.23	0.35	0.072	0.244	0.03	3.50	8	6	0.01	330	0.42	1.4	3.3	8.7	40.5	0.88	< 0.1	3.0	0.8
A1104008	0.7	0.2	16	0.017	0.26	0.21	0.074	0.191	0.06	3.39	8	5	< 0.01	406	0.22	2.2	2.6	33.1	82.9	0.45	0.2	3.5	1.5
A1104009	1.6	< 0.1	5	0.017	0.11	0.35	0.075	0.108	0.09	0.50	12	7	0.02	466	0.51	3.3	3.6	9.6	51.8	1.05	0.1	3.4	1.1
A1104010	2.1	0.2	6	0.018	0.18	0.47	0.074	0.141	0.10	1.71	12	7	0.02	1180	0.58	5.3	6.1	17.2	36.5	0.89	< 0.1	4.9	0.9
A1104011	5.1	0.3	9	0.020	0.21	0.73	0.122	0.201	0.08	1.93	14	12	0.02	1120	0.64	3.8	10.7	30.3	44.3	1.44	< 0.1	4.8	1.4
A1104012	3.6	0.4	10	0.018	0.20	0.96	0.131	0.198	0.09	1.89	12	10	< 0.01	2670	0.64	4.9	10.7	25.5	55.2	0.62	< 0.1	5.3	1.1
A1104013	2.0	0.2	8	0.019	0.12	0.37	0.116	0.159	0.10	0.65	13	10	0.02	2230	0.51	2.8	4.8	10.0	122	0.54	< 0.1	4.1	1.1
A1104014	4.4	0.2	4	0.020	0.16	0.60	0.074	0.099	0.08	0.53	19	11	0.03	728	0.88	7.0	6.2	14.1	31.3	2.00	< 0.1	2.9	0.8
A1104015	4.8	< 0.1	6	0.028	0.26	0.56	0.084	0.124	0.10	1.04	20	10	0.05	938	0.97	7.2	11.9	16.4	101	1.45	< 0.1	0.6	0.7
A1104016	9.0	0.2	5	0.024	0.29	0.83	0.072	0.082	0.07	0.86	24	17	0.06	1210	1.38	10.5	12.4	41.1	72.7	2.60	< 0.1	1.6	0.5

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A1104017	7.4	0.3	6	0.022	0.22	0.95	0.102	0.131	0.07	1.43	19	15	0.04	1490	1.14	12.0	13.0	31.2	126	1.88	< 0.1	2.7	0.7
A1104018	1.3	0.1	6	0.015	0.09	0.31	0.129	0.193	0.09	0.75	9	6	< 0.01	831	0.38	1.7	4.6	12.3	139	0.15	0.2	4.2	1.0
A1104019	1.0	< 0.1	7	0.017	0.11	0.22	0.097	0.160	0.12	0.81	7	5	< 0.01	469	0.31	0.9	3.0	12.9	80.6	< 0.02	< 0.1	1.9	0.7
A1104020	1.9	< 0.1	8	0.021	0.09	0.44	0.094	0.122	0.10	0.36	13	9	0.02	145	0.59	1.2	4.6	8.7	82.9	1.10	0.1	2.7	1.1
A1104021	6.5	1.2	7	0.021	0.18	2.45	0.199	0.216	0.06	1.61	25	33	< 0.01	8880	1.98	69.0	20.3	61.1	80.9	1.47	< 0.1	7.3	2.6
A1104022	1.7	< 0.1	4	0.027	0.07	0.28	0.061	0.070	0.08	0.27	13	9	0.03	785	0.52	1.0	2.3	5.7	42.3	1.74	< 0.1	0.6	0.5
A1104023	1.8	< 0.1	5	0.021	0.08	0.33	0.095	0.113	0.10	0.32	12	9	0.02	432	0.55	1.4	3.7	6.9	51.8	0.96	< 0.1	2.0	0.7
A1104024	1.5	0.1	4	0.022	0.06	0.36	0.065	0.066	0.09	0.23	11	9	0.02	116	0.62	0.9	3.3	4.9	24.1	1.64	< 0.1	2.2	0.8
A1104025	1.8	< 0.1	3	0.020	0.08	0.27	0.085	0.107	0.08	0.23	9	11	0.02	116	0.49	1.0	3.4	7.3	63.2	1.17	< 0.1	1.6	0.9
A1104026	2.8	0.1	3	0.031	0.08	0.50	0.078	0.112	0.08	0.20	10	10	0.02	68	0.81	2.1	4.1	9.3	36.1	1.36	< 0.1	0.8	0.5
A1104027	4.8	0.2	4	0.024	0.19	0.88	0.119	0.206	0.06	0.63	20	14	0.04	397	1.11	5.8	7.0	12.1	32.3	2.34	< 0.1	1.7	1.1
A1104028	3.1	0.1	3	0.021	0.10	0.59	0.055	0.065	0.07	0.17	28	14	0.06	102	1.23	1.4	3.7	7.0	21.2	3.12	< 0.1	2.4	0.8
A1104029	2.2	< 0.1	3	0.026	0.13	0.51	0.055	0.089	0.08	0.57	19	9	0.03	949	0.85	2.3	3.5	8.2	74.3	3.00	< 0.1	1.4	0.9
A1104030	2.8	< 0.1	5	0.021	0.14	0.44	0.076	0.100	0.10	0.96	16	13	0.03	875	0.62	3.6	3.8	10.2	55.2	2.03	< 0.1	1.8	0.7
A1104031	0.8	0.3	10	0.018	0.20	0.59	0.098	0.203	0.04	2.90	6	6	< 0.01	513	0.26	1.4	9.0	270	64.6	0.25	0.2	2.3	1.4
A1104032	0.9	0.4	10	0.023	0.19	0.45	0.084	0.175	0.03	2.78	5	5	< 0.01	645	0.21	2.2	12.9	384	51.8	0.25	0.2	2.5	0.9
A1104033	1.8	0.2	6	0.018	0.09	0.39	0.074	0.138	0.08	0.88	12	11	0.02	99	0.55	3.4	7.2	30.3	67.3	0.96	< 0.1	4.7	1.0
A1104034	3.6	< 0.1	7	0.019	0.11	0.42	0.089	0.116	0.12	0.37	14	9	0.03	313	0.65	2.0	4.0	8.4	58.7	1.69	< 0.1	2.9	0.6
A1104035	1.6	0.1	7	0.019	0.07	0.36	0.112	0.173	0.10	0.38	11	8	0.01	115	0.48	1.0	3.8	7.2	123	0.95	0.1	2.3	1.0
A1104036	1.7	< 0.1	7	0.021	0.08	0.40	0.084	0.112	0.10	0.35	12	9	0.01	382	0.61	1.2	3.8	6.9	93.3	1.27	0.1	3.6	1.2
A1104037	2.0	< 0.1	7	0.019	0.08	0.40	0.126	0.137	0.13	0.44	12	8	0.01	1040	0.47	1.5	3.8	8.6	80.8	1.09	< 0.1	1.8	0.9
A1104038	2.3	< 0.1	7	0.018	0.10	0.40	0.113	0.149	0.11	0.52	12	9	0.02	1510	0.57	1.9	4.4	6.4	78.4	0.94	< 0.1	2.1	1.1
A1104039	0.7	< 0.1	9	0.019	0.09	0.14	0.141	0.175	0.17	0.92	5	4	< 0.01	1770	0.17	1.5	3.3	9.9	131	< 0.02	< 0.1	0.9	0.7
A1104040	1.4	0.1	7	0.017	0.10	0.27	0.170	0.203	0.20	0.92	8	6	< 0.01	4210	0.35	6.1	5.0	12.0	151	< 0.02	< 0.1	2.2	0.9
A1104041	2.2	< 0.1	4	0.027	0.08	0.34	0.057	0.057	0.08	0.21	15	10	0.03	1360	0.58	2.3	2.8	4.7	33.5	1.74	< 0.1	2.2	0.6
A1104042	1.7	0.1	6	0.019	0.10	0.33	0.094	0.119	0.11	0.58	12	8	0.02	3590	0.48	2.8	3.6	7.5	99.1	0.85	< 0.1	1.6	0.5
A1104043	1.1	< 0.1	6	0.022	0.06	0.27	0.103	0.157	0.10	0.40	8	6	< 0.01	118	0.34	0.8	3.5	6.8	41.9	0.56	0.2	2.5	1.1
A1104044	1.5	< 0.1	5	0.018	0.07	0.30	0.108	0.121	0.08	0.23	10	7	0.01	172	0.39	0.8	3.0	6.7	102	0.81	0.1	2.4	1.6
A1104045	1.0	0.2	5	0.024	0.06	0.55	0.104	0.155	0.09	0.32	7	6	< 0.01	102	0.44	2.6	4.8	8.6	58.5	0.61	0.1	2.4	1.1
A1104046	0.7	< 0.1	4	0.017	0.05	0.24	0.076	0.166	0.06	0.38	6	6	< 0.01	46	0.25	0.9	2.8	6.1	49.9	0.33	0.2	3.9	0.7
A1104047	2.0	0.5	7	0.025	0.13	1.08	0.126	0.204	0.07	1.52	12	11	< 0.01	2290	0.74	16.3	8.1	24.8	52.2	0.80	< 0.1	4.7	2.0
A1104048	4.7	0.1	4	0.023	0.14	0.48	0.058	0.077	0.08	0.48	19	13	0.04	770	0.80	3.3	5.9	9.3	61.5	1.85	< 0.1	1.2	0.6
A1104049	1.1	< 0.1	6	0.015	0.06	0.28	0.078	0.149	0.10	0.44	8	6	< 0.01	77	0.33	0.8	4.4	10.0	67.0	< 0.02	0.1	3.0	0.9
A1104050	1.2	0.2	5	0.019	0.07	0.33	0.067	0.125	0.07	0.51	8	7	< 0.01	45	0.36	1.2	5.1	11.8	60.9	0.33	0.2	2.7	0.6
A1104051	1.1	0.2	4	0.017	0.06	0.30	0.075	0.129	0.07	0.33	7	6	0.01	215	0.39	1.4	4.7	19.9	92.0	0.23	< 0.1	3.2	0.8
A1104052	1.0	0.1	4	0.015	0.07	0.23	0.066	0.125	0.07	0.30	7	6	0.01	193	0.34	0.7	3.3	10.2	51.3	0.23	< 0.1	1.7	1.1
A1104053	1.7	0.4	5	0.018	0.08	0.79	0.171	0.288	0.07	0.47	8	9	< 0.01	37	0.44	4.4	8.8	145	21.7	0.99	< 0.1	2.0	1.1
A1104054	1.5	< 0.1	5	0.016	0.08	0.31	0.109	0.145	0.14	0.34	8	7	< 0.01	238	0.42	2.4	3.5	15.6	83.1	0.55	0.1	1.1	0.9
A1104055	1.4	< 0.1	6	0.018	0.08	0.37	0.082	0.118	0.09	0.36	10	8	0.01	254	0.51	1.1	4.0	7.5	60.2	0.96	< 0.1	2.4	0.9
A1104056	0.9	< 0.1	4	0.020	0.05	0.31	0.099	0.131	0.08	0.24	7	6	< 0.01	111	0.38	1.1	3.7	9.9	91.9	0.20	0.1	3.0	0.5
A1104057	0.9	< 0.1	4	0.017	0.07	0.22	0.092	0.125	0.10	0.26	8	7	0.01	203	0.40	0.9	2.7	6.3	63.1	0.41	0.1	2.1	0.9
A1104058	0.6	< 0.1	3	0.018	0.04	0.26	0.074	0.126	0.06	0.50	6	5	< 0.01	59	0.27	0.9	3.1	9.5	33.3	< 0.02	0.1	2.3	0.7
A1104059	1.9	0.2	4	0.020	0.11	0.62	0.124	0.152	0.12	0.24	11	8	0.01	78	0.77	3.0	4.5	22.3	27.6	1.23	< 0.1	1.7	1.0
A1104060	4.9	0.4	7	0.019	0.24	0.87	0.097	0.142	0.08	1.52	22	15	0.03	4330	1.00	8.0	8.3	27.5	32.5	1.55	< 0.1	3.4	1.0
A1104061	4.4	0.2	4	0.020	0.13	0.68	0.064	0.073	0.08	0.29	21	14	0.03	286	0.93	4.5	4.9	12.0	37.4	2.31	< 0.1	2.3	1.3
A1104062	0.8	< 0.1	4	0.021	0.05	0.23	0.070	0.144	0.05	0.30	7	6	0.01	49	0.32	1.0	3.6	8.2	55.4	< 0.02	< 0.1	3.1	1.2
A1104063	4.1	0.4	4	0.018	0.14	1.05	0.104	0.104	0.08	0.18	23	13	0.02	713	1.48	20.9	8.3	28.7	27.6	2.56	< 0.1	3.9	1.6
A1104064	2.8	0.1	3	0.029	0.18	0.46	0.068	0.089	0.09	0.28	24	12	0.06	1520	1.12	5.3	4.3	9.0	54.3	2.48	< 0.1	1.7	1.1
A1104065	3.6	< 0.1	5	0.023	0.19	0.48	0.086	0.097	0.07	0.59	16	13	0.04	1230	0.82	6.6	7.3	9.0	68.2	1.25	< 0.1	1.0	0.5
A1104066	1.7	0.1	4	0.020	0.09	0.50	0.105	0.107	0.10	0.23	12	9	0.03	249	0.58	1.9	3.6	13.2	74.2	1.06	< 0.1	1.7	0.7
A1104067	7.3	0.9	6	0.022	0.20	1.62	0.151	0.163	0.10	0.78	22	20	< 0.01	3540	1.34	23.4	20.0	42.4	63.2	1.96	< 0.1	5.5	1.3

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A1104068	2.5	0.2	8	0.021	0.15	0.39	0.122	0.189	0.13	1.04	12	11	0.02	1840	0.53	7.4	6.6	15.8	198	< 0.02	< 0.1	3.4	1.3
A1104069	2.6	0.3	9	0.021	0.14	0.52	0.082	0.160	0.10	1.11	12	10	0.02	1170	0.53	14.0	7.7	19.8	102	0.39	< 0.1	3.4	0.8
A1104070	1.3	0.1	5	0.017	0.09	0.31	0.073	0.172	0.06	1.25	8	6	< 0.01	309	0.37	3.2	4.9	22.2	43.5	0.70	0.2	4.1	1.0
A1104071	1.2	< 0.1	5	0.015	0.06	0.32	0.089	0.198	0.07	0.88	9	6	< 0.01	42	0.39	1.2	4.2	10.5	78.6	0.08	0.2	5.1	1.1
A1104072	3.9	0.3	9	0.017	0.17	0.71	0.111	0.169	0.08	1.67	14	9	0.01	1360	0.65	7.1	7.9	25.0	109	1.01	< 0.1	4.9	1.4
A1104073	1.1	0.3	13	0.017	0.21	0.74	0.118	0.214	0.04	3.47	8	6	< 0.01	469	0.28	1.4	8.7	157	29.6	0.10	0.2	1.9	1.5
A1104074	2.6	0.1	5	0.027	0.16	0.50	0.121	0.117	0.12	0.32	30	12	0.03	345	1.16	2.7	5.8	9.8	81.0	2.71	< 0.1	3.6	0.6
A1104075	1.8	0.3	8	0.021	0.15	0.41	0.100	0.161	0.08	1.24	8	6	< 0.01	2450	0.38	3.3	6.1	10.7	112	< 0.02	< 0.1	1.6	0.5
A1104076	1.5	0.2	8	0.019	0.10	0.31	0.119	0.136	0.14	0.87	9	6	0.01	2140	0.41	1.7	3.6	9.6	132	0.24	< 0.1	2.1	0.7
A1104077	1.1	< 0.1	6	0.018	0.09	0.31	0.155	0.197	0.17	0.66	8	5	< 0.01	1110	0.33	1.4	4.0	9.8	65.5	0.03	< 0.1	3.2	0.5
A1104078	1.7	0.2	4	0.021	0.09	0.43	0.082	0.085	0.11	0.35	11	8	0.01	284	0.61	1.9	4.7	9.1	56.7	1.21	< 0.1	1.7	1.1
A1104079	0.7	< 0.1	5	0.018	0.06	0.15	0.097	0.144	0.12	0.40	5	4	< 0.01	357	0.19	0.8	2.6	7.3	74.5	< 0.02	< 0.1	0.9	0.6
A1104080	1.3	0.1	5	0.017	0.08	0.34	0.089	0.150	0.11	0.42	8	7	< 0.01	33	0.36	2.3	5.1	8.7	40.3	0.78	0.2	2.9	1.1
A1104081	2.6	0.2	3	0.034	0.14	0.53	0.053	0.091	0.06	0.35	14	12	0.03	90	0.89	3.9	5.5	6.3	42.5	1.98	< 0.1	1.2	0.8
A1104082	0.9	0.2	8	0.022	0.18	0.32	0.064	0.426	0.02	3.10	4	5	< 0.01	318	0.61	2.3	3.4	7.8	48.3	0.11	0.1	2.7	0.9
A1104083	0.5	0.1	8	0.028	0.12	0.19	0.047	0.597	0.03	1.92	4	3	< 0.01	28	0.21	1.9	2.4	7.5	40.7	0.11	0.2	1.4	1.1
A1104084	0.4	< 0.1	9	0.022	0.16	0.07	0.047	0.224	0.03	2.49	3	3	< 0.01	164	0.11	0.8	1.4	7.8	30.6	< 0.02	< 0.1	1.2	0.9
A1104085	0.6	0.1	9	0.019	0.17	0.27	0.067	0.307	0.04	2.74	6	4	< 0.01	975	0.26	2.1	4.6	45.3	52.2	< 0.02	< 0.1	2.0	1.1
A1104086	0.4	0.2	6	0.018	0.19	0.37	0.054	0.237	0.02	3.16	6	5	< 0.01	1340	0.27	2.8	5.6	10.3	15.2	0.31	< 0.1	3.0	0.9
A1104087	1.5	0.2	11	0.018	0.19	0.60	0.092	0.185	0.03	3.07	8	6	< 0.01	546	0.28	1.8	7.8	102	76.3	0.10	0.1	2.4	1.6
A1104088	2.7	0.1	6	0.020	0.09	0.46	0.085	0.100	0.11	0.34	15	9	0.02	226	0.83	1.9	5.1	7.5	95.9	0.57	0.1	3.9	1.3
A1104089	1.9	0.1	6	0.018	0.12	0.35	0.124	0.133	0.14	0.68	10	8	0.01	2300	0.49	1.6	4.3	10.2	103	0.11	< 0.1	1.9	0.8
A1104090	2.8	0.1	5	0.025	0.15	0.43	0.080	0.107	0.10	0.61	16	12	0.02	910	0.77	2.4	6.1	7.2	91.8	1.00	< 0.1	3.1	1.5
A1104091	0.7	< 0.1	7	0.017	0.06	0.18	0.074	0.147	0.13	0.59	5	4	< 0.01	139	0.23	0.6	2.6	7.8	89.6	< 0.02	0.1	3.2	0.4
A1104092	0.7	0.1	9	0.021	0.15	0.33	0.083	0.401	0.02	2.64	9	4	< 0.01	45	0.20	0.9	5.5	36.9	58.0	0.09	< 0.1	1.5	0.7
A1104093	7.1	0.5	5	0.023	0.19	1.78	0.085	0.196	0.03	1.47	19	20	0.03	161	1.98	8.4	22.6	56.8	75.9	1.20	< 0.1	2.4	1.1
A1104094	0.6	< 0.1	4	0.017	0.06	0.20	0.052	0.139	0.07	0.60	5	4	< 0.01	40	0.21	0.6	3.2	5.8	36.3	0.27	0.2	4.8	1.0
A1104095	0.6	0.1	4	0.019	0.14	0.21	0.059	0.160	0.06	1.22	5	4	< 0.01	22	0.22	0.7	2.0	6.2	41.9	0.07	0.2	5.5	1.0
A1104096	0.9	0.2	9	0.018	0.14	0.82	0.095	0.224	0.03	3.27	7	6	< 0.01	310	0.39	2.5	9.0	37.6	39.3	0.62	< 0.1	2.6	0.9
A1104097	3.2	0.2	7	0.026	0.15	0.72	0.123	0.343	0.03	1.90	15	13	< 0.01	837	1.29	5.2	10.9	31.0	82.2	0.38	< 0.1	3.8	0.9
A1104098	2.6	0.2	9	0.025	0.19	0.81	0.113	0.195	0.04	2.84	8	8	< 0.01	1170	0.67	3.1	8.3	21.7	54.1	0.18	0.1	4.3	1.1
A1104099	0.6	0.1	9	0.030	0.21	0.24	0.057	0.198	0.04	2.67	6	3	< 0.01	74	0.19	0.6	3.1	8.2	27.1	0.45	0.2	4.9	0.8
A1104100	5.5	0.2	3	0.026	0.16	0.66	0.075	0.091	0.06	0.25	18	12	0.03	227	0.88	4.6	7.7	8.3	30.3	2.20	< 0.1	1.9	0.4
A1104101	1.5	0.1	3	0.024	0.06	0.41	0.068	0.088	0.10	0.18	10	10	0.01	103	0.72	0.9	4.3	6.3	36.7	1.19	0.1	4.2	1.7
A1104102	0.7	< 0.1	4	0.027	0.04	0.24	0.086	0.098	0.07	0.22	5	4	< 0.01	71	0.25	0.6	2.2	4.3	74.5	0.38	< 0.1	1.5	0.4
A1104103	7.8	0.6	5	0.028	0.19	1.46	0.092	0.133	0.09	1.04	18	22	0.03	999	1.01	8.0	14.3	19.7	39.2	1.84	< 0.1	3.7	1.7
A1104104	7.9	0.6	5	0.028	0.19	1.54	0.090	0.132	0.09	1.07	18	23	0.03	1030	1.08	8.3	14.7	20.6	42.8	1.93	< 0.1	4.5	1.4
A1104105	1.3	0.1	4	0.027	0.06	0.41	0.070	0.115	0.09	0.19	10	8	0.02	62	0.53	1.9	12.3	12.5	52.6	0.78	< 0.1	2.8	0.8
A1104106	1.4	< 0.1	3	0.020	0.08	0.33	0.068	0.148	0.06	0.42	8	8	0.01	57	0.45	2.0	5.9	6.8	20.4	0.54	0.1	2.7	0.5
A1104107	2.1	0.2	4	0.027	0.10	0.61	0.083	0.117	0.09	0.39	11	12	0.02	127	0.84	3.2	7.6	11.2	23.5	1.19	< 0.1	1.0	0.5
A1104109	1.6	0.1	5	0.029	0.12	0.35	0.107	0.128	0.13	0.45	11	11	0.02	883	0.57	1.4	4.7	9.4	88.1	0.73	< 0.1	1.4	0.6
A1104110	6.9	0.7	5	0.026	0.14	1.43	0.127	0.129	0.12	0.30	42	20	0.03	3370	2.44	65.4	14.2	32.0	47.6	3.67	< 0.1	6.1	1.4
A1104111	1.2	< 0.1	4	0.024	0.07	0.29	0.080	0.140	0.08	0.44	8	7	0.01	53	0.42	0.9	3.8	8.0	39.8	0.45	0.2	2.8	1.2
A1104112	3.6	0.3	5	0.042	0.16	0.75	0.082	0.093	0.12	0.46	21	13	0.04	2690	1.12	17.5	6.9	10.0	29.6	2.28	< 0.1	3.6	0.6
A1104113	1.7	0.3	4	0.024	0.07	0.78	0.090	0.134	0.06	0.32	11	8	0.02	73	0.58	2.4	4.7	8.8	15.8	1.34	< 0.1	2.1	0.8
A1104114	9.7	0.5	6	0.030	0.22	1.48	0.098	0.173	0.06	2.19	15	14	0.02	1290	0.94	8.2	10.4	18.9	18.1	1.77	< 0.1	4.1	1.4
A1104115	1.8	0.4	5	0.024	0.09	0.53	0.147	0.176	0.14	0.84	10	7	< 0.01	651	0.50	11.8	8.3	17.3	90.8	0.41	< 0.1	2.8	0.6
A1104116	1.8	0.4	6	0.022	0.08	0.52	0.143	0.171	0.14	0.85	10	7	< 0.01	649	0.48	11.8	8.5	17.9	87.4	0.54	0.1	2.5	0.7
A1104117	1.1	0.1	4	0.019	0.08	0.29	0.097	0.128	0.09	0.41	12	7	0.03	107	0.44	1.9	6.0	8.5	81.6	0.29	0.1	3.6	0.8
A1104118	1.3	0.1	5	0.025	0.09	0.33	0.088	0.170	0.07	1.19	7	5	< 0.01	32	0.32	1.5	5.6	28.9	66.5	0.30	< 0.1	3.5	0.7
A1104119	2.1	0.5	5	0.026	0.15	1.41	0.085	0.209	0.04	2.55	11	13	< 0.01	1870	1.57	16.7	20.0	125	49.6	0.35	< 0.1	2.9	0.6

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A1104120	0.7	0.1	7	0.026	0.12	0.42	0.081	0.605	0.02	2.14	8	8	< 0.01	102	0.39	2.5	6.7	54.5	27.3	0.11	< 0.1	1.6	0.7
A1104121	0.7	0.2	8	0.028	0.13	0.33	0.069	0.436	0.03	2.43	5	5	< 0.01	628	0.60	3.7	4.8	23.8	79.6	< 0.02	< 0.1	3.4	0.7
A1104122	0.6	0.1	7	0.026	0.15	0.27	0.058	0.300	0.03	2.66	5	4	< 0.01	297	0.51	3.0	4.0	16.7	63.0	< 0.02	< 0.1	3.5	0.8
A1104123	0.9	< 0.1	9	0.027	0.18	0.23	0.096	0.330	0.04	2.57	4	5	< 0.01	285	0.43	1.5	3.5	7.1	35.9	0.22	0.1	3.4	1.2
A1104124	0.9	< 0.1	9	0.034	0.19	0.22	0.057	0.235	0.03	3.08	4	4	< 0.01	586	0.22	1.4	1.7	6.4	31.9	0.05	< 0.1	2.7	0.7
A1104125	0.6	< 0.1	11	0.023	0.18	0.18	0.090	0.331	0.03	3.13	4	4	< 0.01	888	0.34	2.1	1.8	7.5	33.0	< 0.02	< 0.1	3.7	0.8
A1104126	1.8	0.5	7	0.024	0.10	1.83	0.143	0.432	0.03	1.86	31	18	< 0.01	> 10000	4.79	46.2	21.5	25.7	200	< 0.02	< 0.1	12.2	1.6
A1104127	0.6	< 0.1	3	0.021	0.04	0.22	0.066	0.156	0.04	0.61	6	5	< 0.01	26	0.26	0.7	3.3	4.8	33.9	0.15	0.1	7.3	0.9
A1104128	0.6	0.1	3	0.021	0.06	0.23	0.077	0.180	0.08	0.51	5	4	< 0.01	26	0.22	0.9	4.3	4.9	18.7	< 0.02	0.2	4.6	0.5
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Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527752	10.1	41.4	0.83	1.2	0.7	0.7	0.3	0.2	< 0.1	0.1	< 0.1	0.4	0.90	0.366	1.29	0.02	1.41	0.44	< 0.02	1.72	210	3.4	6.48
A527753	7.8	26.1	1.30	1.7	1.6	1.1	0.4	0.3	< 0.1	0.1	< 0.1	0.5	0.99	1.69	0.82	0.02	1.45	0.45	< 0.02	1.43	102	4.9	9.79
A527754	1.3	45.9	7.81	1.0	0.7	5.0	2.2	1.4	0.2	0.6	< 0.1	0.1	1.98	0.220	1.28	< 0.02	0.63	0.23	< 0.02	0.44	73.1	16.9	10.5
A527755	1.3	44.7	2.43	1.0	0.6	1.4	0.7	0.5	< 0.1	0.2	< 0.1	< 0.1	1.01	0.097	0.82	< 0.02	0.58	0.21	0.02	0.66	55.8	5.9	5.47
A527756	4.5	46.4	5.33	1.6	1.1	3.3	1.4	1.1	0.2	0.5	< 0.1	0.3	0.85	0.188	0.76	< 0.02	0.60	0.23	< 0.02	2.04	79.0	16.4	9.22
A527757	2.1	54.1	8.31	2.7	1.2	3.3	1.5	1.2	0.2	0.6	< 0.1	0.2	1.16	0.112	1.05	< 0.02	0.53	0.27	< 0.02	1.47	88.7	17.8	4.98
A527758	7.5	24.5	0.94	1.6	1.0	0.8	0.3	0.2	< 0.1	0.1	< 0.1	0.5	0.89	1.12	0.48	< 0.02	1.36	0.51	< 0.02	1.85	142	3.4	6.69
A527759	6.3	21.6	1.68	0.9	1.1	1.3	0.6	0.5	< 0.1	0.2	< 0.1	0.4	0.92	0.304	1.08	< 0.02	1.32	0.49	< 0.02	0.83	189	5.7	11.6
A527760	6.8	16.1	1.33	0.4	1.5	1.4	0.5	0.3	< 0.1	0.1	< 0.1	0.6	0.77	0.250	0.53	< 0.02	1.15	0.37	0.02	0.92	103	6.2	12.6
A527761	7.7	16.8	1.58	0.3	0.7	1.5	0.6	0.4	< 0.1	0.2	< 0.1	0.5	0.75	0.335	0.42	< 0.02	1.23	0.30	< 0.02	0.99	130	7.1	14.4
A527762	7.2	12.3	0.93	0.5	1.0	0.9	0.4	0.2	< 0.1	< 0.1	< 0.1	0.4	0.67	0.275	0.35	< 0.02	1.01	0.34	< 0.02	0.75	71.3	4.1	8.24
A527763	6.5	16.7	1.23	0.2	1.2	1.2	0.5	0.3	< 0.1	0.2	< 0.1	0.6	0.67	0.210	0.54	< 0.02	1.31	0.37	< 0.02	0.87	109	5.5	11.1
A527764	5.9	15.8	1.29	1.9	1.4	1.0	0.5	0.3	< 0.1	0.1	< 0.1	0.5	0.66	0.226	0.31	< 0.02	1.23	0.37	< 0.02	0.74	106	4.5	9.03
A527765	6.6	16.5	1.57	1.2	1.4	1.3	0.6	0.3	< 0.1	0.1	< 0.1	0.6	0.71	0.272	0.39	< 0.02	1.23	0.42	< 0.02	0.70	76.9	5.9	11.7
A527766	2.3	50.1	23.6	1.9	1.6	14.5	5.5	3.7	0.6	1.8	0.2	0.2	0.66	0.177	0.83	< 0.02	0.61	0.36	< 0.02	0.64	94.3	63.3	31.5
A527767	2.5	51.9	7.44	1.7	1.1	3.7	1.7	1.2	0.2	0.7	< 0.1	0.2	0.58	0.109	0.75	0.02	1.10	0.53	< 0.02	0.61	90.4	15.6	11.8
A527768	1.9	54.0	1.63	1.1	0.5	0.7	0.4	0.3	< 0.1	0.2	< 0.1	0.1	0.45	0.053	0.50	< 0.02	0.91	0.38	< 0.02	0.25	75.5	2.9	3.95
A527769	0.6	18.7	0.38	0.4	0.3	0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.36	0.028	0.31	< 0.02	0.30	0.28	< 0.02	0.08	39.3	0.9	1.45
A527770	3.6	18.5	0.87	1.1	0.7	0.5	0.3	0.2	< 0.1	0.1	< 0.1	0.2	0.63	0.055	0.54	0.02	1.12	0.64	< 0.02	0.42	143	2.3	4.48
A527771	1.7	25.8	5.69	2.4	1.4	3.7	1.6	1.1	0.2	0.6	< 0.1	0.3	0.74	0.089	0.78	< 0.02	0.42	0.27	0.03	0.50	41.0	16.7	21.7
A527772	2.5	15.8	7.85	1.8	1.6	4.5	2.0	1.5	0.2	0.7	< 0.1	0.3	0.56	0.097	0.95	< 0.02	0.39	0.14	< 0.02	0.71	46.8	20.1	17.8
A527773	5.2	20.3	0.66	1.1	0.8	0.5	0.2	0.2	< 0.1	< 0.1	< 0.1	0.2	0.71	0.157	0.56	< 0.02	1.07	0.41	< 0.02	0.65	131	2.3	4.37
A527774	6.4	16.5	4.58	0.6	1.5	3.1	1.5	1.1	0.2	0.4	< 0.1	1.0	0.77	0.219	0.36	< 0.02	0.80	0.53	< 0.02	1.34	72.1	14.2	27.8
A527775	7.6	14.9	2.76	0.7	1.5	2.0	0.9	0.7	0.1	0.3	< 0.1	1.1	0.68	0.239	0.29	< 0.02	0.95	0.20	< 0.02	1.56	59.8	9.0	17.9
A527776	10.0	22.5	7.76	0.2	0.9	4.7	2.5	1.7	0.3	0.9	< 0.1	0.6	1.48	0.359	1.45	0.04	1.22	0.71	0.07	1.89	132	20.1	58.2
A527777	4.9	20.0	0.68	1.4	0.9	0.5	0.2	0.2	< 0.1	< 0.1	< 0.1	0.3	0.72	0.229	0.28	0.02	1.49	0.56	0.03	0.60	110	2.2	4.23
A527778	6.6	18.9	2.93	0.8	2.2	1.4	0.9	0.7	0.1	0.3	< 0.1	0.6	1.00	0.266	0.67	0.03	1.89	0.58	0.03	0.90	154	6.2	12.8
A527779	5.6	41.6	4.66	1.3	1.0	3.1	1.5	1.0	0.2	0.4	< 0.1	0.2	0.72	0.171	0.90	< 0.02	0.77	0.39	< 0.02	0.74	145	14.7	21.9
A527780	4.7	16.3	1.20	1.7	1.3	1.0	0.4	0.3	< 0.1	0.1	< 0.1	0.5	0.85	0.198	0.54	0.02	1.63	0.49	< 0.02	0.58	118	4.6	9.40
A527781	5.3	28.7	2.03	0.9	1.1	1.5	0.7	0.5	< 0.1	0.2	< 0.1	0.6	1.09	0.240	0.40	0.03	1.18	0.45	0.02	0.89	81.5	7.1	16.9
A527782	4.5	32.5	0.51	1.2	0.5	0.3	0.2	0.1	< 0.1	< 0.1	< 0.1	0.2	0.63	0.406	0.48	< 0.02	1.15	0.45	0.02	0.48	225	1.9	3.36
A527783	5.8	17.2	0.76	0.8	0.8	0.9	0.3	0.2	< 0.1	0.1	< 0.1	0.4	0.80	0.276	0.61	< 0.02	1.43	0.39	< 0.02	0.64	94.9	4.3	8.26
A527784	15.6	24.5	3.59	0.2	0.5	2.8	1.4	0.9	0.1	0.3	< 0.1	0.3	0.83	0.490	0.83	< 0.02	0.89	0.26	< 0.02	1.68	174	13.5	36.7
A527785	13.3	37.2	6.66	0.4	0.9	4.2	2.1	1.4	0.2	0.6	< 0.1	0.5	1.71	0.308	2.07	0.03	1.01	0.41	0.05	1.50	271	17.8	43.8
A527786	8.0	34.3	5.35	0.8	1.4	2.9	1.5	1.1	0.2	0.5	< 0.1	0.3	1.04	0.528	1.49	0.04	1.62	0.53	0.03	0.76	191	10.6	13.3
A527787	6.9	26.3	1.56	0.4	1.2	1.4	0.7	0.4	< 0.1	0.2	< 0.1	0.5	1.13	0.464	1.49	0.04	2.15	0.65	0.05	1.00	185	6.6	13.6
A527788	8.5	19.6	0.99	0.3	0.8	0.9	0.4	0.2	< 0.1	< 0.1	< 0.1	0.4	0.93	0.366	0.85	0.03	1.88	0.51	0.03	0.82	159	3.9	7.80
A527789	9.7	26.3	1.80	0.2	1.1	1.3	0.7	0.4	< 0.1	0.2	< 0.1	0.7	1.21	0.300	1.02	0.03	1.80	0.51	0.05	1.48	252	5.7	13.2
A527790	7.2	26.8	1.38	0.4	0.9	1.3	0.5	0.4	< 0.1	0.1	< 0.1	0.4	0.77	0.894	1.02	0.03	1.45	0.32	< 0.02	1.43	272	6.5	12.3
A527791	9.2	31.5	1.47	0.3	1.3	1.3	0.5	0.4	< 0.1	0.1	< 0.1	0.7	0.93	0.714	0.96	< 0.02	1.54	0.36	0.03	2.48	194	5.9	12.3
A527792	9.7	42.3	0.93	0.7	0.8	0.8	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.07	0.860	1.67	< 0.02	1.37	0.41	< 0.02	1.73	284	3.9	8.09
A527793	8.0	35.3	0.99	0.7	0.8	0.8	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.05	0.889	1.22	0.02	1.71	0.50	< 0.02	1.70	242	3.9	7.49
A527794	8.9	38.5	1.15	1.2	0.9	0.9	0.4	0.3	< 0.1	0.1	< 0.1	0.4	1.28	0.692	3.13	0.04	2.02	0.58	0.06	1.17	281	4.3	8.88
A527795	10.9	22.5	6.56	0.4	1.4	4.6	2.3	1.5	0.2	0.6	< 0.1	0.9	4.96	0.270	0.44	0.02	0.94	0.29	0.04	2.18	84.0	20.2	48.3
A527796	6.9	21.7	1.63	0.7	1.0	1.2	0.5	0.4	< 0.1	0.2	< 0.1	0.4	0.95	0.273	0.75	0.02	2.06	0.56	0.03	0.84	139	6.0	12.1
A527797	6.6	17.7	1.17	0.3	0.9	1.2	0.5	0.3	< 0.1	0.1	< 0.1	0.4	0.77	0.112	0.77	< 0.02	1.28	0.32	0.03	0.86	143	5.4	11.1
A527798	8.0	29.8	1.60	0.2	0.5	1.1	0.6	0.4	< 0.1	0.2	< 0.1	0.3	0.91	0.463	0.65	< 0.02	1.45	0.38	0.03	1.00	182	5.6	12.4
A527799	5.9	22.4	1.45	1.0	1.5	0.7	0.4	0.3	< 0.1	0.1	< 0.1	0.5	1.07	0.215	0.40	0.02	1.74	0.49	0.04	0.80	121	3.6	6.67
A527800	11.4	35.6	8.65	0.5	1.0	4.9	2.5	1.8	0.3	0.9	0.1	0.6	1.71	0.278	1.95	0.03	1.33	0.44	0.04	2.92	169	22.5	64.8
A527913	7.3	15.6	1.48	0.4	1.2	1.5	0.6	0.4	< 0.1	0.2	< 0.1	0.4	1.21	0.132	0.22	< 0.02	1.19	0.26	< 0.02	1.36	107	7.2	14.0
A527914	8.6	28.6	2.84	0.3	1.5	2.0	1.0	0.7	0.1	0.3	< 0.1	0.8	0.99	0.170	0.75	< 0.02	0.89	0.24	< 0.02	1.57	138	8.8	22.3

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527915	6.4	21.9	1.06	0.2	0.9	1.0	0.5	0.2	< 0.1	0.1	< 0.1	0.3	0.97	0.107	0.56	< 0.02	0.98	0.26	0.02	0.84	125	4.7	9.73
A527916	6.5	19.8	0.56	0.8	0.7	0.6	0.2	0.2	< 0.1	< 0.1	< 0.1	0.2	0.84	0.244	0.77	< 0.02	1.33	0.31	< 0.02	0.84	117	3.1	5.56
A527917	6.6	20.2	3.12	0.2	1.1	1.8	1.0	0.8	0.1	0.4	< 0.1	0.3	1.28	0.374	0.71	0.02	1.59	0.38	0.03	1.38	134	7.7	17.0
A527918	7.9	18.7	1.33	0.2	0.6	1.2	0.5	0.3	< 0.1	0.1	< 0.1	0.4	1.18	0.186	0.64	< 0.02	1.60	0.32	< 0.02	1.44	115	6.0	11.4
A527919	8.8	11.9	2.36	0.4	3.2	1.0	0.6	0.5	0.1	0.3	< 0.1	0.6	1.35	0.146	0.58	0.02	1.12	0.22	0.03	1.39	86.0	4.8	9.94
A527920	5.5	20.3	0.90	1.0	0.6	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	1.08	0.586	0.47	0.02	1.19	0.42	< 0.02	0.57	211	2.9	5.38
A527921	7.9	13.9	5.80	1.1	4.8	1.5	1.1	1.2	0.2	0.6	< 0.1	1.3	1.15	0.143	0.21	0.02	1.17	0.16	< 0.02	0.96	59.7	6.3	13.0
A527922	4.7	12.6	1.17	1.8	1.7	1.2	0.5	0.3	< 0.1	0.1	< 0.1	0.4	1.22	0.199	0.36	< 0.02	1.95	0.50	< 0.02	0.82	83.9	5.4	10.6
A527923	4.6	17.0	2.18	0.5	1.4	1.8	0.8	0.6	< 0.1	0.2	< 0.1	0.4	1.19	0.182	1.03	< 0.02	0.90	0.25	0.02	0.62	82.2	7.9	17.6
A527924	4.7	28.2	2.22	2.0	1.3	1.2	0.6	0.5	< 0.1	0.2	< 0.1	0.4	0.77	0.135	0.88	0.03	1.30	0.59	< 0.02	0.51	113	5.2	9.53
A527925	3.9	17.8	0.85	1.3	0.8	0.5	0.2	0.2	< 0.1	0.1	< 0.1	0.2	0.83	0.293	0.61	< 0.02	1.18	0.50	0.03	0.45	110	2.2	4.36
A527926	7.2	15.1	0.98	2.0	1.0	0.9	0.4	0.3	< 0.1	< 0.1	< 0.1	0.4	1.04	0.213	0.41	< 0.02	1.68	0.57	0.03	0.71	66.5	4.2	8.31
A527927	6.0	33.3	4.29	1.3	1.0	1.9	1.1	0.8	0.1	0.5	< 0.1	0.2	0.83	0.257	3.58	0.03	0.73	0.41	0.05	1.03	123	8.0	10.4
A527928	1.5	52.7	7.93	1.2	0.7	3.5	1.8	1.1	0.2	0.7	< 0.1	0.1	0.39	0.070	0.74	< 0.02	0.25	0.20	0.04	0.35	99.7	15.8	12.3
A527929	3.9	45.2	9.32	1.5	1.0	5.3	2.4	1.4	0.3	0.8	< 0.1	0.2	0.57	0.091	0.82	< 0.02	0.84	0.31	0.05	0.93	97.9	24.9	22.8
A527930	5.6	35.3	14.1	0.6	0.7	8.1	3.9	2.6	0.4	1.3	0.2	0.5	0.71	0.182	0.97	0.02	0.68	0.24	0.07	1.36	95.3	35.1	56.2
A527931	5.3	31.9	13.8	0.9	2.2	9.1	4.5	2.7	0.5	1.4	0.2	0.9	1.33	0.198	0.77	0.03	0.73	0.25	0.06	1.38	108	35.7	84.3
A527932	6.4	17.0	0.69	1.4	0.6	0.5	0.3	0.1	< 0.1	< 0.1	< 0.1	0.2	0.81	0.351	0.33	0.02	1.20	0.48	0.05	0.71	114	2.3	4.36
A527933	6.8	12.0	1.16	1.0	0.9	1.4	0.6	0.3	< 0.1	0.1	< 0.1	0.5	1.31	0.267	0.21	< 0.02	1.52	0.34	0.06	0.96	62.9	6.2	12.4
A527934	6.5	15.4	1.09	0.8	0.8	0.9	0.4	0.3	< 0.1	0.1	< 0.1	0.4	1.01	0.502	0.47	< 0.02	1.38	0.41	< 0.02	0.93	104	3.9	7.90
A527935	9.4	19.2	1.18	0.4	0.9	1.3	0.5	0.3	< 0.1	0.1	< 0.1	0.5	1.35	1.11	0.61	0.02	1.76	0.44	0.02	1.10	140	6.0	12.0
A527936	8.5	18.3	0.85	1.5	0.8	0.7	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.16	0.406	0.44	< 0.02	1.89	0.50	0.03	0.85	94.9	3.5	6.49
A527937	9.5	42.8	0.73	0.9	0.6	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.17	0.780	0.94	< 0.02	1.40	0.40	< 0.02	0.79	180	3.1	5.77
A527938	14.2	39.3	0.89	0.6	0.5	0.7	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.03	0.724	0.72	0.03	1.96	0.51	0.03	1.18	195	3.3	6.39
A527939	9.1	43.8	0.61	0.7	0.5	0.4	0.2	0.1	< 0.1	< 0.1	< 0.1	0.2	0.83	0.870	1.25	< 0.02	1.32	0.54	0.03	0.86	305	2.1	3.92
A527940	11.5	25.4	1.24	0.3	1.1	0.8	0.4	0.2	< 0.1	0.1	< 0.1	0.6	1.21	0.242	0.68	< 0.02	0.96	0.35	0.05	1.70	140	3.4	8.86
A527941	8.1	25.7	0.91	0.8	0.8	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.3	0.96	0.780	0.72	0.02	1.34	0.55	0.04	1.65	196	3.1	5.95
A527942	6.9	23.6	0.95	0.9	0.5	0.7	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.05	0.297	0.46	0.03	2.02	0.61	0.04	1.00	150	3.2	6.09
A527943	8.4	29.4	1.24	0.1	0.4	0.9	0.4	0.3	< 0.1	0.1	< 0.1	0.5	0.97	0.192	0.74	0.03	1.42	0.46	0.04	1.64	173	4.1	8.09
A527944	9.4	17.4	4.46	0.2	0.3	3.2	1.7	1.1	0.2	0.5	< 0.1	0.6	1.22	0.497	0.57	0.03	1.14	0.54	0.05	1.97	77.5	15.0	33.4
A527945	5.3	19.9	1.54	0.7	0.5	1.2	0.5	0.3	< 0.1	0.2	< 0.1	0.3	0.77	0.073	0.56	0.03	1.28	0.44	0.04	0.55	74.4	5.8	11.3
A527946	3.6	14.8	1.08	0.9	0.7	0.8	0.4	0.2	< 0.1	0.1	< 0.1	0.2	0.78	0.347	0.89	< 0.02	0.98	0.40	0.03	0.45	136	4.0	7.84
A527947	6.2	28.6	5.91	0.9	0.6	6.6	3.0	1.4	0.2	0.5	< 0.1	0.4	0.60	0.460	0.80	< 0.02	0.66	0.35	0.03	0.76	130	30.5	58.9
A527948	8.5	37.3	13.9	0.4	1.2	12.8	5.6	2.9	0.5	1.3	0.2	1.0	1.28	0.196	0.54	< 0.02	0.46	0.14	< 0.02	1.97	128	50.9	108
A527949	9.3	43.6	7.63	1.1	0.6	7.2	2.7	1.5	0.3	0.7	< 0.1	0.4	1.29	0.282	0.98	0.03	1.50	0.66	0.05	0.88	177	34.2	51.4
A527950	3.3	23.1	1.10	1.1	0.6	0.9	0.4	0.3	< 0.1	< 0.1	< 0.1	0.3	0.69	0.113	0.81	0.02	0.72	0.31	0.04	0.37	160	4.2	8.18
A527951	3.1	30.6	14.7	1.4	0.7	10.2	3.6	2.1	0.4	1.1	0.1	0.2	0.57	0.180	1.35	< 0.02	0.97	0.35	0.04	0.60	106	55.2	4.85
A527952	11.4	35.4	8.20	0.4	1.1	5.3	2.4	1.6	0.3	0.7	< 0.1	0.9	1.01	0.179	0.75	< 0.02	0.59	0.25	0.06	2.30	123	24.4	34.9
A527953	6.5	14.0	1.19	1.3	0.8	1.5	0.6	0.3	< 0.1	0.1	< 0.1	0.5	1.04	0.157	0.24	< 0.02	0.87	0.23	0.04	0.86	75.2	6.7	13.3
A527954	6.7	20.4	0.96	1.1	0.7	1.1	0.5	0.2	< 0.1	< 0.1	< 0.1	0.5	0.86	0.209	0.50	< 0.02	0.99	0.35	0.02	0.66	112	5.2	10.4
A527955	6.8	10.9	1.16	1.3	0.9	0.8	0.5	0.3	< 0.1	0.2	< 0.1	0.3	1.64	0.178	0.42	< 0.02	1.71	0.53	0.04	0.98	87.8	4.1	7.40
A527956	12.1	21.8	2.31	< 0.1	0.5	1.7	0.9	0.5	< 0.1	0.3	< 0.1	0.5	1.48	0.248	1.09	< 0.02	1.01	0.42	0.05	1.40	138	7.9	22.6
A527957	15.6	27.4	3.49	0.6	1.0	2.2	1.2	0.7	0.1	0.4	< 0.1	1.0	1.79	0.223	1.89	0.03	1.33	0.49	0.11	2.91	210	10.0	37.4
A527958	4.7	17.7	1.56	0.7	0.9	1.7	0.7	0.3	< 0.1	0.1	< 0.1	0.6	0.93	0.263	0.24	< 0.02	1.03	0.30	0.04	0.80	69.7	7.6	14.9
A527959	7.0	19.8	0.70	0.3	0.5	0.7	0.3	0.1	< 0.1	< 0.1	< 0.1	0.5	0.88	0.076	0.53	< 0.02	0.84	0.22	0.05	0.70	124	3.2	6.27
A527960	6.8	8.6	1.42	0.3	0.5	1.0	0.4	0.4	< 0.1	0.2	< 0.1	0.3	1.30	0.551	0.45	0.03	1.84	0.41	0.04	0.96	93.6	4.9	8.96
A527961	4.0	10.1	0.60	0.8	0.5	0.3	0.2	0.1	< 0.1	< 0.1	< 0.1	0.1	0.60	0.100	0.63	< 0.02	1.07	0.44	0.05	0.44	66.3	1.6	3.15
A527962	2.6	30.1	9.27	0.4	0.4	5.9	3.1	1.9	0.3	0.9	0.1	0.3	1.22	0.175	1.40	< 0.02	0.46	0.24	< 0.02	0.70	136	24.2	52.1
A527963	9.5	17.8	2.04	0.5	0.9	1.2	0.6	0.4	< 0.1	0.2	< 0.1	0.9	1.28	0.204	0.36	< 0.02	0.51	0.17	< 0.02	1.34	112	5.5	11.7
A527964	9.7	15.3	3.33	0.2	0.4	2.0	1.2	0.8	0.1	0.4	< 0.1	0.4	1.70	0.322	0.60	0.03	1.29	0.50	0.05	2.44	182	9.0	34.2
A527965	6.8	16.5	0.92	1.3	0.7	0.8	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.46	0.153	0.58	0.03	2.17	0.67	0.05	0.91	131	4.0	7.57

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527966	5.8	22.9	2.12	1.1	0.8	1.2	0.6	0.4	< 0.1	0.2	< 0.1	0.3	0.91	0.300	0.66	0.03	1.55	0.52	0.05	0.74	122	5.7	11.0
A527967	9.6	24.3	6.13	0.1	0.4	3.7	2.3	1.4	0.2	0.7	< 0.1	0.6	1.56	0.357	1.37	0.05	1.47	0.71	0.07	1.26	157	16.4	74.5
A527968	6.7	32.6	7.08	0.6	0.7	4.3	2.3	1.5	0.2	0.6	< 0.1	0.3	0.54	0.332	0.90	< 0.02	0.56	0.44	0.06	0.75	112	19.1	43.6
A527969	8.3	16.8	3.08	< 0.1	0.4	2.1	1.1	0.8	0.1	0.4	< 0.1	0.6	0.88	0.412	0.46	< 0.02	0.89	0.44	0.04	1.09	75.1	9.6	21.3
A527970	6.2	18.6	0.96	1.6	0.9	0.9	0.4	0.2	< 0.1	0.1	< 0.1	0.4	1.19	0.205	0.43	< 0.02	2.10	0.67	0.03	0.94	94.5	4.2	7.99
A527971	4.6	19.4	0.66	1.1	0.5	0.4	0.2	0.2	< 0.1	< 0.1	< 0.1	0.2	0.76	0.073	0.32	< 0.02	1.18	0.54	0.03	0.39	88.5	2.0	3.89
A527972	1.4	25.0	1.95	0.4	0.2	1.1	0.5	0.4	< 0.1	0.2	< 0.1	< 0.1	0.46	0.073	0.37	< 0.02	0.47	0.36	< 0.02	0.09	63.5	4.7	7.91
A527973	5.7	19.5	1.08	0.8	0.4	0.8	0.4	0.3	< 0.1	0.1	< 0.1	0.4	1.12	0.246	0.61	< 0.02	0.84	0.30	0.04	0.47	89.8	3.7	7.31
A527974	6.9	17.0	1.03	1.9	0.8	1.1	0.4	0.3	< 0.1	0.1	< 0.1	0.6	1.05	0.506	0.35	< 0.02	1.25	0.40	0.05	0.92	112	5.2	10.3
A527975	5.0	16.0	1.43	1.7	1.1	1.0	0.5	0.3	< 0.1	0.2	< 0.1	0.8	1.40	0.164	0.46	< 0.02	1.15	0.38	0.03	0.76	98.8	4.5	9.23
A527976	1.6	34.6	5.61	1.0	0.7	2.5	1.4	0.9	0.2	0.6	< 0.1	0.2	2.98	0.090	1.89	< 0.02	0.56	0.21	< 0.02	0.52	83.6	10.2	14.2
A527977	18.1	53.0	9.19	0.3	0.4	7.3	3.3	1.9	0.3	0.8	< 0.1	0.5	1.59	0.546	2.08	0.04	1.85	0.71	0.06	2.69	262	32.2	59.0
A527978	15.5	38.3	5.84	0.2	0.4	4.8	2.1	1.1	0.2	0.5	< 0.1	0.4	1.31	0.729	1.28	0.02	1.64	0.53	0.07	2.62	136	22.4	37.2
A527979	8.3	27.5	0.82	1.3	0.5	0.8	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.09	0.729	0.78	< 0.02	1.66	0.56	0.06	1.39	148	4.0	7.21
A527980	10.6	29.8	1.08	0.4	0.7	1.0	0.4	0.3	< 0.1	0.1	< 0.1	0.5	1.14	0.801	0.68	0.02	1.76	0.50	0.06	1.69	175	4.7	9.95
A527981	9.4	32.3	1.22	1.6	0.8	1.0	0.5	0.3	< 0.1	0.1	< 0.1	0.4	1.31	1.78	0.72	0.04	2.89	0.91	0.04	1.30	178	4.9	8.82
A527982	6.9	25.5	0.77	1.3	0.7	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	0.98	2.22	0.74	0.02	1.49	0.63	0.04	0.77	194	2.5	4.64
A527983	11.5	54.8	21.1	0.4	0.5	18.1	8.5	4.4	0.7	1.8	0.2	0.4	1.89	1.04	1.60	0.03	1.34	0.62	0.08	2.07	152	71.9	75.9
A527984	5.4	63.2	3.77	1.7	0.8	3.3	1.3	0.7	0.1	0.3	< 0.1	0.3	0.78	0.242	0.49	0.03	1.31	0.63	0.02	0.64	150	17.2	14.3
A527985	3.7	35.8	1.07	1.3	0.5	1.0	0.4	0.2	< 0.1	< 0.1	< 0.1	0.1	0.86	0.221	0.33	< 0.02	0.88	0.38	0.04	0.33	113	4.5	4.18
A527986	6.2	30.1	0.56	1.1	0.4	0.5	0.2	0.1	< 0.1	< 0.1	< 0.1	0.2	1.05	0.268	0.73	< 0.02	1.19	0.41	0.04	0.65	144	2.4	4.40
A527987	7.1	28.8	1.04	0.3	0.5	1.0	0.5	0.3	< 0.1	0.1	< 0.1	0.6	0.84	0.177	0.57	< 0.02	1.27	0.32	0.04	0.79	154	4.5	9.79
A527988	4.6	22.5	0.90	0.5	0.4	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	0.84	0.316	0.70	< 0.02	1.29	0.38	0.06	0.71	277	3.0	5.73
A527989	5.8	16.5	1.57	0.2	0.3	1.1	0.5	0.4	< 0.1	0.1	< 0.1	0.3	0.93	0.674	0.39	< 0.02	1.78	0.38	0.04	1.09	84.3	5.5	10.8
A527990	6.3	18.6	1.87	0.2	0.4	1.3	0.7	0.4	< 0.1	0.2	< 0.1	0.3	0.85	0.261	0.42	< 0.02	1.44	0.45	0.04	0.93	90.8	6.0	12.2
A527991	4.5	10.1	1.93	0.3	0.3	1.1	0.6	0.5	< 0.1	0.2	< 0.1	0.2	0.82	0.270	0.41	0.02	1.33	0.45	0.03	0.66	79.2	5.4	10.3
A527992	5.3	9.8	2.32	0.1	0.2	1.6	0.8	0.6	< 0.1	0.2	< 0.1	0.6	0.72	0.139	0.30	< 0.02	0.60	0.26	0.03	0.71	52.6	8.0	15.7
A527993	4.9	12.3	2.33	0.2	0.3	1.5	0.7	0.5	< 0.1	0.2	< 0.1	0.5	0.83	0.174	0.33	< 0.02	0.88	0.30	0.07	0.46	57.6	6.8	14.3
A527994	4.1	29.4	1.01	1.4	0.5	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.2	1.63	0.287	0.78	0.03	1.57	0.69	0.04	0.71	138	2.8	4.75
A527995	5.5	24.3	0.88	1.6	0.7	0.7	0.4	0.2	< 0.1	< 0.1	< 0.1	0.4	0.98	0.453	0.62	< 0.02	1.43	0.52	0.05	0.77	132	3.6	6.72
A527996	9.5	30.7	2.45	0.2	0.6	1.7	0.8	0.5	< 0.1	0.3	< 0.1	0.8	1.23	0.207	0.78	0.03	2.34	0.67	0.04	1.14	190	8.3	15.6
A527997	3.1	26.6	0.94	0.9	0.4	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	1.12	0.108	0.80	< 0.02	0.99	0.52	0.03	0.38	155	2.9	4.59
A527998	5.9	31.5	9.19	0.6	0.7	5.5	2.9	1.8	0.3	0.8	0.1	0.6	2.25	0.146	0.68	< 0.02	0.50	0.17	0.07	1.37	99.5	22.8	36.4
A527999	4.2	27.2	1.97	1.0	0.8	1.6	0.7	0.5	< 0.1	0.2	< 0.1	0.2	4.35	0.157	0.47	0.02	1.25	0.55	0.04	0.52	71.5	7.1	13.2
A528000	4.4	18.2	1.24	0.8	0.5	0.7	0.4	0.3	< 0.1	0.1	< 0.1	0.1	0.74	0.130	0.60	< 0.02	0.74	0.31	0.03	0.37	96.7	3.2	6.02
A1104001	2.5	28.1	10.9	1.5	0.6	6.7	3.3	1.9	0.4	1.1	0.1	0.2	2.45	0.129	0.84	< 0.02	0.74	0.21	0.03	0.49	44.2	26.1	22.2
A1104002	9.1	15.3	0.90	1.4	0.6	0.8	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.33	0.160	0.49	< 0.02	1.47	0.52	0.03	0.73	77.6	4.0	7.68
A1104003	4.6	32.0	3.89	0.8	0.5	2.7	1.5	0.9	0.2	0.4	< 0.1	0.5	1.85	0.140	1.20	0.03	0.91	0.45	0.03	0.44	68.1	12.2	25.9
A1104004	4.5	18.3	1.43	1.8	0.9	1.1	0.5	0.3	< 0.1	0.1	< 0.1	0.6	0.90	0.053	0.54	0.03	1.06	0.40	0.04	0.37	76.7	5.1	10.1
A1104005	3.8	19.8	0.71	0.7	0.6	0.4	0.3	0.2	< 0.1	0.1	< 0.1	0.1	0.49	0.146	1.20	< 0.02	0.86	0.43	0.02	0.37	129	1.9	3.72
A1104006	4.7	11.8	1.76	0.9	0.5	1.2	0.5	0.4	< 0.1	0.2	< 0.1	0.4	0.80	0.509	0.38	< 0.02	1.10	0.40	0.04	0.39	58.3	5.8	11.3
A1104007	2.3	32.7	1.47	1.5	0.4	0.8	0.4	0.3	< 0.1	0.2	< 0.1	0.4	3.43	0.061	0.70	< 0.02	0.67	0.31	0.05	0.43	70.4	3.2	6.26
A1104008	3.3	28.7	1.98	1.5	0.4	0.8	0.5	0.3	< 0.1	0.2	< 0.1	0.2	3.73	0.096	0.91	0.02	1.13	0.51	0.03	0.34	53.5	3.7	4.14
A1104009	9.9	15.6	1.68	1.2	0.7	1.2	0.6	0.3	< 0.1	0.2	< 0.1	0.4	2.33	0.428	0.57	< 0.02	1.16	0.50	0.05	0.92	131	5.4	9.90
A1104010	15.2	30.5	4.10	0.7	0.7	2.8	1.3	0.7	0.1	0.4	< 0.1	0.5	2.39	0.612	1.00	0.02	0.83	0.46	0.03	1.04	159	14.0	14.3
A1104011	10.0	31.1	8.95	0.9	0.7	5.7	2.7	1.6	0.3	0.8	< 0.1	0.6	1.33	0.223	0.81	0.03	1.27	0.57	0.06	1.18	103	25.7	23.7
A1104012	10.1	40.6	11.7	1.0	0.9	8.3	3.9	2.1	0.4	1.0	0.1	0.5	2.48	0.319	0.90	0.03	1.39	0.66	0.09	0.95	206	37.4	50.5
A1104013	9.5	20.5	1.15	0.6	0.8	0.9	0.5	0.2	< 0.1	0.2	< 0.1	0.5	1.43	0.666	0.98	0.03	1.68	0.64	0.03	0.98	211	4.2	8.25
A1104014	9.2	19.5	2.12	0.5	0.8	1.7	0.8	0.5	< 0.1	0.2	< 0.1	0.8	1.97	0.682	0.41	0.02	0.99	0.38	0.03	1.07	136	7.5	16.1
A1104015	12.3	42.2	2.97	0.8	1.0	1.8	0.9	0.7	0.1	0.3	< 0.1	0.7	0.99	0.161	0.70	< 0.02	0.29	0.11	0.03	0.65	150	7.9	14.3
A1104016	13.7	24.8	8.19	0.4	1.4	7.4	3.2	1.6	0.3	0.7	< 0.1	0.8	1.39	0.218	0.59	< 0.02	0.43	0.16	0.04	2.01	85.0	31.2	29.8

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A1104017	11.5	31.2	5.83	0.4	0.8	4.4	2.2	1.2	0.2	0.5	< 0.1	0.8	0.91	0.256	0.97	< 0.02	0.46	0.22	0.03	1.73	123	20.0	45.1
A1104018	6.6	24.9	1.15	1.4	0.5	0.7	0.4	0.3	< 0.1	0.1	< 0.1	0.2	0.81	0.507	1.22	0.04	1.85	0.92	0.04	0.70	199	3.1	5.79
A1104019	7.3	23.2	0.77	1.2	0.6	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	0.68	0.674	0.73	< 0.02	1.04	0.49	0.03	0.66	179	2.9	5.50
A1104020	7.0	16.3	1.41	1.7	0.9	1.3	0.6	0.3	< 0.1	0.1	< 0.1	0.4	1.06	0.357	0.62	0.02	1.80	0.61	0.04	1.04	162	5.8	11.2
A1104021	5.1	43.5	37.3	0.6	1.2	24.7	12.2	7.2	1.2	3.5	0.4	0.5	9.64	0.376	2.35	0.04	0.81	0.37	0.09	0.98	211	98.1	194
A1104022	4.3	15.1	1.25	0.5	1.0	1.3	0.6	0.3	< 0.1	< 0.1	< 0.1	0.7	0.63	0.215	0.47	< 0.02	0.72	0.18	0.03	0.49	69.4	6.3	12.6
A1104023	6.1	16.2	1.05	0.7	0.6	0.9	0.4	0.2	< 0.1	< 0.1	< 0.1	0.4	0.88	0.172	0.48	< 0.02	1.38	0.45	0.05	0.76	111	4.0	7.88
A1104024	5.9	18.3	1.01	0.6	0.5	1.1	0.5	0.3	< 0.1	< 0.1	< 0.1	0.4	0.89	0.137	0.24	< 0.02	1.55	0.53	0.02	0.69	61.2	5.2	10.2
A1104025	5.5	13.6	0.70	0.9	0.6	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.5	0.62	0.158	0.53	< 0.02	0.75	0.26	0.02	0.63	59.0	2.3	4.62
A1104026	5.1	15.6	1.56	0.6	0.4	1.1	0.6	0.4	< 0.1	0.1	< 0.1	0.5	0.58	0.061	0.40	< 0.02	0.27	0.12	0.06	0.69	57.7	4.9	9.87
A1104027	3.7	28.4	4.76	0.6	0.8	3.4	1.8	1.1	0.2	0.5	< 0.1	0.7	1.49	0.253	0.66	0.02	0.78	0.26	0.05	0.74	139	14.1	31.1
A1104028	5.8	13.6	1.34	2.1	0.9	1.1	0.6	0.3	< 0.1	0.2	< 0.1	1.3	1.03	0.094	0.69	< 0.02	1.04	0.33	0.04	0.79	87.8	4.9	9.83
A1104029	4.9	15.1	0.83	0.3	0.6	0.6	0.2	0.2	< 0.1	0.1	< 0.1	0.6	0.68	0.269	0.26	< 0.02	0.68	0.20	0.03	0.81	102	2.5	5.01
A1104030	5.2	14.7	1.40	0.4	0.4	0.9	0.5	0.3	< 0.1	0.2	< 0.1	0.6	0.82	1.11	0.69	< 0.02	0.65	0.21	0.04	0.61	50.8	4.3	9.40
A1104031	2.9	43.3	29.1	1.9	0.9	25.8	10.1	4.8	0.8	2.2	0.3	0.1	4.88	0.550	0.92	< 0.02	0.83	0.53	0.04	0.99	68.0	119	23.2
A1104032	2.6	37.9	22.1	2.0	0.5	15.6	6.7	3.3	0.6	1.6	0.2	0.1	2.94	0.649	1.02	0.02	0.74	0.50	0.04	1.12	56.4	79.1	14.3
A1104033	6.0	26.9	2.30	1.3	0.8	1.6	0.7	0.5	< 0.1	0.2	< 0.1	0.5	2.15	0.345	1.32	0.02	1.20	0.54	0.03	2.44	127	7.5	11.0
A1104034	7.5	19.1	1.20	0.8	0.8	1.1	0.5	0.3	< 0.1	< 0.1	< 0.1	0.7	1.41	0.429	0.49	< 0.02	1.35	0.49	0.04	1.60	113	5.3	12.2
A1104035	5.5	18.7	0.83	1.6	0.8	0.7	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.86	0.280	0.65	0.02	1.76	0.66	0.06	1.08	117	3.4	6.14
A1104036	6.4	16.7	0.90	1.4	0.8	0.7	0.3	0.2	< 0.1	< 0.1	< 0.1	0.4	1.16	0.282	0.51	0.03	1.67	0.65	0.06	1.17	108	3.6	6.77
A1104037	8.7	20.6	0.87	0.7	0.8	0.9	0.4	0.2	< 0.1	0.1	< 0.1	0.3	1.42	0.523	0.58	< 0.02	2.05	0.56	0.03	1.37	138	4.6	8.52
A1104038	7.2	23.0	1.08	0.2	0.6	0.9	0.4	0.2	< 0.1	< 0.1	< 0.1	0.5	1.19	0.422	0.52	0.02	1.54	0.47	0.05	0.88	143	4.2	8.22
A1104039	7.7	33.6	0.46	0.5	0.3	0.3	0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	0.95	0.340	0.63	< 0.02	0.67	0.34	0.02	0.47	160	1.5	2.48
A1104040	10.6	36.5	0.83	1.0	0.4	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.22	0.304	1.35	0.02	1.39	0.47	0.05	0.75	234	3.4	5.74
A1104041	6.0	12.4	1.22	0.2	0.7	1.3	0.5	0.3	< 0.1	0.1	< 0.1	0.6	0.80	0.219	0.36	< 0.02	0.78	0.20	0.03	0.73	95.3	5.9	12.6
A1104042	7.5	25.8	0.90	0.4	0.7	0.8	0.3	0.2	< 0.1	0.1	< 0.1	0.4	0.82	0.240	1.03	< 0.02	1.20	0.40	0.05	0.73	180	3.9	7.73
A1104043	5.0	20.3	0.66	1.3	0.6	0.5	0.2	0.2	< 0.1	< 0.1	< 0.1	0.2	0.84	0.245	0.36	0.03	1.62	0.61	0.03	0.50	106	2.3	4.38
A1104044	4.5	13.6	0.76	0.9	0.6	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.4	0.69	0.221	0.74	< 0.02	1.36	0.43	0.05	0.60	91.8	2.9	5.63
A1104045	5.3	23.5	1.98	0.7	0.7	1.2	0.7	0.5	< 0.1	0.2	< 0.1	0.2	0.55	0.694	0.41	0.02	0.93	0.40	0.03	0.48	106	5.8	12.4
A1104046	2.6	21.4	1.17	0.8	0.6	0.9	0.4	0.2	< 0.1	0.1	< 0.1	0.2	0.68	0.064	0.36	0.02	1.13	0.53	0.04	0.25	97.8	4.3	7.05
A1104047	5.4	48.5	12.9	0.4	0.5	9.0	4.4	2.6	0.5	1.3	0.2	0.3	2.41	0.334	1.39	0.03	1.18	0.56	0.07	0.70	120	34.8	79.7
A1104048	6.2	14.0	1.57	0.6	1.1	1.1	0.6	0.4	< 0.1	0.2	< 0.1	0.9	0.85	0.091	0.48	< 0.02	3.08	0.31	0.05	0.97	87.6	4.8	10.4
A1104049	4.9	17.6	0.92	1.5	0.6	0.7	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	0.98	0.446	0.59	< 0.02	1.44	0.55	< 0.02	0.75	138	3.0	5.86
A1104050	4.6	23.0	1.66	1.1	0.9	1.4	0.6	0.4	< 0.1	0.1	< 0.1	0.2	1.27	0.542	0.41	0.03	1.41	0.60	0.04	0.63	116	6.5	11.2
A1104051	5.2	15.6	2.12	1.0	0.7	2.0	0.9	0.4	< 0.1	0.2	< 0.1	0.2	1.47	0.368	0.71	< 0.02	0.94	0.39	0.03	0.88	132	10.1	15.6
A1104052	5.5	16.1	0.74	1.3	0.5	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	1.14	0.363	0.67	0.02	1.25	0.38	0.04	0.63	104	2.9	5.67
A1104053	3.5	22.0	8.55	0.2	0.5	7.6	3.8	2.1	0.3	0.9	< 0.1	0.4	5.82	0.241	0.25	0.02	0.85	0.62	0.05	0.71	54.5	29.1	51.4
A1104054	6.1	17.5	0.85	0.8	0.6	0.7	0.3	0.2	< 0.1	0.1	< 0.1	0.2	2.81	0.177	0.44	< 0.02	1.23	0.35	0.05	0.79	101	3.4	6.60
A1104055	5.4	21.5	0.95	1.2	0.8	0.8	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.22	0.115	0.36	< 0.02	1.49	0.53	0.04	0.77	81.1	4.2	7.82
A1104056	4.9	20.8	0.93	0.9	0.8	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.2	0.92	0.383	0.70	< 0.02	1.24	0.53	0.04	0.62	149	2.6	5.14
A1104057	5.9	20.7	0.52	0.9	0.4	0.4	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.3	0.96	0.252	0.55	< 0.02	0.99	0.35	0.04	0.55	74.6	2.3	4.19
A1104058	3.3	22.6	0.82	0.7	0.5	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.1	1.93	0.435	0.34	< 0.02	0.83	0.46	0.03	0.54	165	2.1	4.17
A1104059	4.9	17.8	3.11	0.3	0.5	2.4	1.1	0.7	0.1	0.3	< 0.1	0.3	3.39	0.231	0.47	< 0.02	0.90	0.36	0.04	0.63	60.3	10.1	21.3
A1104060	6.8	31.0	7.68	0.3	1.1	5.3	2.4	1.6	0.3	0.7	< 0.1	0.5	1.99	0.239	1.48	0.03	1.06	0.51	0.06	1.30	138	24.6	41.7
A1104061	7.2	16.8	3.27	0.4	1.0	2.5	1.1	0.7	0.1	0.3	< 0.1	0.7	1.84	0.390	0.39	0.02	0.83	0.27	0.05	1.43	98.4	13.3	25.0
A1104062	2.8	19.2	0.75	1.1	0.6	0.5	0.2	0.2	< 0.1	< 0.1	< 0.1	0.2	0.93	0.272	0.60	< 0.02	0.99	0.50	0.04	0.51	109	2.5	4.76
A1104063	9.5	14.8	3.59	0.2	0.3	3.0	1.4	0.8	0.1	0.4	< 0.1	0.6	4.11	0.738	0.34	0.02	1.23	0.39	0.05	2.29	80.9	14.0	28.2
A1104064	9.8	16.2	1.23	0.5	1.0	0.8	0.4	0.3	< 0.1	0.1	< 0.1	0.7	2.36	0.305	0.45	< 0.02	0.92	0.22	0.04	1.18	88.4	4.0	7.96
A1104065	7.0	29.7	1.65	0.2	0.4	1.2	0.6	0.4	< 0.1	0.2	< 0.1	0.7	0.85	0.118	0.46	< 0.02	0.35	0.12	0.04	0.82	107	5.4	11.6
A1104066	7.9	16.5	1.82	0.3	0.3	1.6	0.7	0.4	< 0.1	0.2	< 0.1	0.5	0.87	0.517	0.51	< 0.02	1.27	0.32	0.05	1.39	121	7.3	14.0
A1104067	10.7	38.4	15.8	0.3	0.5	12.0	6.4	3.6	0.6	1.6	0.2	0.5	1.38	0.594	1.22	0.04	1.57	0.61	0.08	4.02	206	45.5	130

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A1104068	11.6	38.4	1.35	1.0	0.5	0.8	0.5	0.3	< 0.1	0.1	< 0.1	0.3	0.83	0.278	2.11	0.03	1.70	0.48	0.06	2.20	253	3.8	8.33
A1104069	9.7	33.7	7.65	0.7	0.8	6.6	2.7	1.5	0.3	0.7	< 0.1	0.4	0.91	0.209	1.35	0.02	1.06	0.46	0.05	2.18	154	28.3	38.4
A1104070	5.2	23.0	2.48	1.2	0.6	1.8	0.8	0.5	< 0.1	0.2	< 0.1	0.2	1.37	0.205	1.11	0.03	1.40	0.60	0.05	1.73	71.2	7.9	6.75
A1104071	5.1	22.3	1.21	1.8	0.7	0.7	0.4	0.3	< 0.1	0.2	< 0.1	0.3	0.90	0.265	1.02	0.04	2.01	0.77	0.05	1.29	164	2.9	5.75
A1104072	13.5	35.3	7.62	0.7	0.5	5.0	2.6	1.4	0.2	0.8	< 0.1	0.5	1.15	0.441	1.67	0.04	1.45	0.52	0.08	2.75	146	20.4	26.0
A1104073	2.8	35.8	21.5	2.0	0.6	14.0	6.3	3.5	0.6	1.6	0.2	0.2	0.95	0.238	1.23	< 0.02	0.52	0.46	0.07	1.16	97.9	65.7	14.6
A1104074	8.1	13.8	1.43	0.4	1.0	0.8	0.4	0.3	< 0.1	0.1	< 0.1	0.7	0.88	0.292	0.60	< 0.02	1.25	0.32	0.05	1.33	97.6	3.6	7.05
A1104075	7.2	43.0	4.56	0.6	0.3	3.4	1.8	1.0	0.2	0.4	< 0.1	0.3	0.54	0.160	1.12	< 0.02	0.72	0.37	0.04	1.30	174	14.2	39.6
A1104076	7.3	22.3	1.40	0.8	0.6	1.1	0.5	0.3	< 0.1	0.1	< 0.1	0.2	0.69	0.131	1.07	< 0.02	1.30	0.44	0.05	1.09	171	4.9	9.53
A1104077	9.2	24.1	1.00	0.5	0.3	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.2	0.74	0.304	0.85	0.02	1.54	0.60	0.03	1.02	141	2.9	5.67
A1104078	6.7	19.1	1.55	0.4	0.6	1.4	0.7	0.4	< 0.1	0.2	< 0.1	0.3	0.87	0.635	0.45	0.02	1.44	0.41	0.06	1.15	88.2	6.0	12.2
A1104079	5.0	16.5	0.36	0.7	0.4	0.3	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.52	0.134	0.38	< 0.02	0.73	0.27	0.02	0.66	86.3	1.4	2.45
A1104080	5.6	23.0	1.62	1.6	0.8	1.1	0.6	0.4	< 0.1	0.2	< 0.1	0.3	0.78	0.326	0.61	< 0.02	1.69	0.62	0.04	1.18	91.6	4.5	9.96
A1104081	5.4	16.3	3.28	0.6	1.0	1.9	1.0	0.7	0.1	0.3	< 0.1	0.6	1.23	0.264	0.33	< 0.02	0.40	0.12	0.03	1.05	49.5	7.9	16.7
A1104082	1.7	44.8	2.45	1.3	0.5	0.8	0.5	0.5	< 0.1	0.2	< 0.1	0.1	0.47	0.045	0.59	0.02	0.64	0.21	0.04	0.37	73.8	2.8	3.88
A1104083	1.5	21.6	1.30	0.6	0.2	0.5	0.3	0.3	< 0.1	0.2	< 0.1	< 0.1	1.09	0.035	0.34	< 0.02	0.34	0.14	0.04	0.22	28.4	1.8	2.65
A1104084	1.5	27.5	0.63	0.5	0.1	0.2	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.83	0.018	0.29	< 0.02	0.22	0.16	0.03	0.17	40.0	0.9	1.03
A1104085	2.0	26.8	6.29	1.6	0.6	3.0	1.6	0.9	0.2	0.6	< 0.1	< 0.1	0.68	0.116	0.93	< 0.02	0.46	0.22	0.05	0.51	71.8	12.7	4.06
A1104086	1.4	49.4	3.56	1.8	0.8	1.4	0.9	0.6	0.1	0.3	< 0.1	0.2	0.53	0.075	1.03	< 0.02	0.45	0.36	0.03	0.27	69.9	5.0	7.78
A1104087	2.5	30.9	19.7	1.8	0.7	12.4	5.7	3.1	0.6	1.5	0.2	0.2	0.76	0.225	1.09	< 0.02	0.55	0.40	0.06	1.10	83.7	56.2	12.9
A1104088	7.3	17.6	1.51	1.3	0.9	1.1	0.5	0.3	< 0.1	0.2	< 0.1	0.7	0.83	0.331	0.62	0.02	1.55	0.59	0.05	0.88	168	5.2	9.79
A1104089	9.4	24.5	0.87	0.8	0.6	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.3	0.95	0.163	1.13	< 0.02	1.68	0.50	0.04	1.13	164	3.1	5.05
A1104090	7.8	22.6	1.34	1.1	1.0	0.7	0.4	0.3	< 0.1	0.1	< 0.1	0.6	0.76	0.161	0.90	0.03	1.60	0.55	0.05	0.98	130	3.6	7.15
A1104091	4.3	19.8	0.60	0.9	0.4	0.4	0.2	0.1	< 0.1	< 0.1	< 0.1	0.1	0.46	0.145	0.73	0.02	1.02	0.50	0.05	0.42	117	1.6	3.00
A1104092	1.8	26.7	4.47	1.1	0.4	2.1	1.2	0.7	0.1	0.4	< 0.1	0.1	0.40	0.088	1.06	< 0.02	0.49	0.20	0.03	0.48	43.3	8.8	8.53
A1104093	3.1	21.4	21.4	1.7	1.8	14.9	8.0	4.3	0.7	2.0	0.3	1.0	0.56	0.176	0.76	0.02	0.27	0.12	0.06	1.33	73.3	54.9	72.0
A1104094	4.1	24.0	0.82	0.9	0.5	0.5	0.2	0.2	< 0.1	< 0.1	< 0.1	0.1	0.53	0.099	0.50	0.02	0.99	0.57	< 0.02	0.31	80.3	2.2	3.82
A1104095	3.1	20.7	0.98	1.0	0.4	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	0.55	0.056	0.65	< 0.02	1.03	0.71	0.05	0.27	88.8	2.2	3.96
A1104096	2.9	45.8	11.9	1.5	0.6	6.1	3.3	2.1	0.4	1.0	0.1	0.2	0.53	0.108	0.51	< 0.02	0.86	0.34	0.04	1.12	73.5	25.1	27.9
A1104097	2.7	41.9	9.44	0.7	0.6	4.5	2.5	1.7	0.3	0.9	0.1	0.4	1.09	0.106	0.93	< 0.02	0.32	0.21	0.06	1.11	87.3	17.2	24.5
A1104098	3.4	51.6	8.60	1.7	0.7	3.7	2.2	1.6	0.3	0.8	< 0.1	0.3	0.76	0.119	0.61	0.02	0.70	0.46	0.04	1.05	107	14.8	16.5
A1104099	2.1	31.5	1.17	1.1	0.2	0.5	0.3	0.2	< 0.1	0.1	< 0.1	0.1	0.97	0.026	0.86	0.02	0.72	0.52	0.03	0.28	38.4	2.1	3.74
A1104100	4.3	12.3	2.53	0.4	0.9	1.7	0.9	0.6	< 0.1	0.2	< 0.1	0.9	0.52	0.149	0.23	< 0.02	0.49	0.16	< 0.02	0.76	47.4	7.6	16.0
A1104101	6.0	12.9	1.26	1.2	0.7	1.1	0.5	0.3	< 0.1	0.1	< 0.1	0.3	1.21	0.052	0.43	0.03	2.09	0.73	0.06	0.62	88.4	4.7	9.07
A1104102	4.0	10.8	0.59	0.8	0.4	0.4	0.2	0.2	< 0.1	< 0.1	< 0.1	0.1	0.53	0.014	0.63	< 0.02	1.02	0.43	0.04	0.37	61.6	1.7	3.43
A1104103	6.9	31.1	19.8	0.6	1.6	11.0	6.1	3.6	0.7	1.9	0.2	0.9	0.87	0.140	0.85	0.02	0.94	0.31	0.05	1.19	98.3	44.9	70.3
A1104104	7.1	31.6	20.3	0.7	1.5	11.2	6.1	3.8	0.7	1.9	0.2	0.9	0.87	0.150	0.98	0.02	0.99	0.32	0.05	1.20	99.9	46.6	73.0
A1104105	5.6	14.2	1.72	1.5	0.9	1.3	0.6	0.3	< 0.1	0.2	< 0.1	0.3	0.99	0.209	0.72	0.03	1.26	0.46	0.04	1.06	100.0	5.8	11.6
A1104106	3.6	20.6	0.91	1.0	0.6	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.3	0.58	0.068	0.21	< 0.02	0.93	0.40	0.03	0.71	78.6	2.8	5.60
A1104107	5.5	23.9	2.28	1.0	0.8	1.5	0.7	0.4	< 0.1	0.2	< 0.1	0.6	0.81	0.137	0.42	< 0.02	0.40	0.17	< 0.02	1.36	75.0	6.9	13.9
A1104109	7.5	22.1	0.83	0.4	0.6	0.7	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	0.70	0.141	0.65	0.02	1.08	0.35	0.03	1.04	114	3.1	6.10
A1104110	10.8	18.2	4.14	0.3	0.6	2.9	1.6	1.0	0.2	0.4	< 0.1	0.9	1.79	0.521	0.72	0.04	1.17	0.41	0.09	2.91	116	14.0	33.1
A1104111	4.3	14.2	0.88	1.6	0.9	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	0.73	0.041	0.61	0.02	1.31	0.52	0.04	0.59	93.3	2.7	5.36
A1104112	10.0	22.8	3.74	0.2	1.1	2.4	1.2	0.7	0.1	0.3	< 0.1	0.5	0.99	0.283	0.59	< 0.02	1.64	0.43	0.05	1.69	157	11.0	24.3
A1104113	4.1	16.1	2.90	0.8	0.7	2.0	1.1	0.7	0.1	0.3	< 0.1	0.4	0.66	0.209	0.20	0.02	0.90	0.31	0.03	0.67	64.6	8.9	19.4
A1104114	4.8	48.5	9.53	1.1	1.1	4.5	2.5	1.6	0.3	0.9	0.1	0.7	0.85	0.142	0.82	0.03	0.75	0.31	0.04	1.00	110	19.0	35.3
A1104115	10.1	29.7	8.57	1.2	0.7	5.4	2.7	1.7	0.3	0.8	< 0.1	0.2	0.77	0.441	1.16	0.03	1.88	0.63	0.03	1.81	132	20.8	29.7
A1104116	9.6	29.9	8.53	1.1	1.1	5.3	2.7	1.6	0.3	0.7	< 0.1	0.2	0.78	0.433	0.96	0.03	1.85	0.59	0.03	1.68	129	20.4	29.3
A1104117	6.4	20.4	1.18	0.9	0.8	0.6	0.3	0.2	< 0.1	0.1	< 0.1	0.3	0.68	2.06	1.22	0.03	1.78	0.60	0.07	1.59	164	2.9	5.02
A1104118	3.7	43.2	12.8	1.2	0.9	12.9	4.8	2.3	0.4	1.0	0.1	0.2	0.63	0.479	0.96	0.02	1.02	0.50	0.05	0.79	95.1	55.8	24.3
A1104119	3.4	57.6	73.7	2.0	2.6	52.1	23.6	12.1	2.1	5.9	0.7	0.4	0.94	0.355	1.45	< 0.02	0.62	0.42	0.04	1.81	132	199	81.1

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A1104120	1.8	43.5	13.6	2.0	1.6	9.7	4.6	2.5	0.5	1.2	0.2	0.2	0.55	0.119	0.52	< 0.02	0.25	0.17	0.04	0.66	75.0	36.6	20.9
A1104121	2.2	50.0	8.68	1.1	0.3	3.9	2.2	1.3	0.2	0.7	< 0.1	0.1	0.45	0.095	0.89	< 0.02	0.84	0.33	0.04	0.59	90.7	14.5	6.68
A1104122	1.9	49.8	5.84	1.5	0.5	2.5	1.4	0.9	0.2	0.5	< 0.1	0.1	0.37	0.048	0.64	< 0.02	0.64	0.31	0.04	0.49	79.6	9.1	4.89
A1104123	2.8	39.0	1.62	1.6	0.3	0.6	0.4	0.3	< 0.1	0.2	< 0.1	0.1	0.43	0.062	0.47	< 0.02	1.16	0.29	0.06	0.65	63.5	2.3	2.74
A1104124	2.1	36.6	1.07	1.1	0.3	0.4	0.3	0.2	< 0.1	0.1	< 0.1	0.1	0.42	0.038	0.61	0.02	0.61	0.29	0.05	0.42	64.6	1.6	2.97
A1104125	2.1	38.2	1.16	1.5	0.2	0.5	0.4	0.2	< 0.1	0.1	< 0.1	< 0.1	0.56	0.058	0.81	< 0.02	0.63	0.21	0.04	0.33	73.0	1.8	3.29
A1104126	2.5	63.0	18.2	1.2	1.2	10.8	5.9	3.7	0.7	1.7	0.2	0.4	2.98	0.173	1.92	0.03	0.61	0.37	0.14	0.83	211	43.8	104
A1104127	2.6	27.6	1.03	1.1	0.4	0.5	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	0.42	0.080	0.40	0.02	0.87	0.60	0.04	0.41	91.9	2.2	4.50
A1104128	3.7	34.4	0.88	0.9	0.5	0.4	0.3	0.2	< 0.1	< 0.1	< 0.1	0.1	0.36	0.099	0.35	< 0.02	0.85	0.50	0.04	0.50	136	2.3	3.40
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Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A527752	2.32	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.4	0.22	67.1	0.31	0.3	0.2	280	13
A527753	3.59	0.7	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.3	0.14	64.1	0.29	0.7	0.2	260	30
A527754	19.2	3.3	0.6	0.3	0.5	< 0.1	< 0.1	< 0.05	0.1	0.003	3.5	0.07	28.6	0.11	0.1	0.4	250	11
A527755	5.26	0.7	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	0.004	1.6	0.14	28.5	0.12	0.2	0.2	260	10
A527756	11.8	1.9	0.3	0.2	0.4	< 0.1	< 0.1	< 0.05	0.1	0.001	5.4	0.19	27.3	0.17	0.2	0.7	230	11
A527757	12.3	2.0	0.4	0.2	0.6	< 0.1	< 0.1	< 0.05	0.1	0.007	4.8	0.44	38.1	0.15	0.3	1.0	270	10
A527758	2.53	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.001	6.6	0.17	54.4	0.30	0.6	0.2	330	11
A527759	4.36	0.9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.9	0.23	66.5	0.33	0.6	0.3	330	17
A527760	4.61	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	17.6	0.16	33.9	0.19	0.6	0.2	180	10
A527761	5.04	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.2	0.15	38.4	0.21	0.1	0.3	260	19
A527762	3.09	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	6.8	0.10	20.8	0.14	0.3	0.2	240	26
A527763	4.06	0.7	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	5.6	0.19	40.1	0.22	0.2	0.3	210	11
A527764	3.37	0.7	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.9	0.10	42.3	0.25	0.8	0.2	190	7
A527765	4.58	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.4	< 0.001	9.8	0.12	31.2	0.23	0.5	0.3	240	15
A527766	50.8	7.5	1.4	0.6	1.5	0.2	< 0.1	< 0.05	0.1	0.014	16.7	0.43	26.7	0.16	0.5	0.7	250	17
A527767	12.8	2.3	0.4	0.2	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.006	8.9	0.26	45.8	0.28	0.3	0.3	290	8
A527768	2.45	0.4	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	0.002	4.9	0.08	23.5	0.19	0.2	0.1	290	5
A527769	0.69	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	5.6	0.04	15.9	0.08	< 0.1	< 0.1	190	5
A527770	1.80	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	0.001	13.5	0.13	52.8	0.30	0.4	0.1	310	11
A527771	13.1	2.2	0.4	0.2	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.003	4.9	0.11	20.9	0.12	0.4	1.0	200	6
A527772	16.9	3.0	0.5	0.3	0.6	< 0.1	< 0.1	< 0.05	0.1	0.002	4.8	0.17	18.0	0.10	0.2	1.0	250	9
A527773	1.69	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	20.9	0.13	33.5	0.20	0.4	0.2	280	6
A527774	10.7	2.2	0.3	0.2	0.4	< 0.1	< 0.1	< 0.05	0.2	< 0.001	9.8	0.12	17.7	0.16	0.2	0.6	230	7
A527775	6.82	1.2	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.7	0.16	23.2	0.21	0.2	0.5	170	8
A527776	17.0	3.1	0.6	0.3	0.6	< 0.1	< 0.1	< 0.05	0.1	< 0.001	6.0	0.53	77.0	0.30	< 0.1	0.9	210	8
A527777	1.62	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.9	0.15	38.9	0.23	0.5	0.2	300	10
A527778	4.98	1.2	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	0.5	< 0.001	11.0	0.26	56.6	0.31	0.8	0.3	300	13
A527779	10.8	2.1	0.3	0.2	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	5.9	0.16	40.0	0.18	0.4	0.6	330	8
A527780	3.27	0.7	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	0.001	5.2	0.15	51.8	0.26	0.6	0.2	230	6
A527781	5.29	0.7	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.6	0.08	45.6	0.28	0.2	0.5	240	5
A527782	1.22	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.5	0.09	20.9	0.20	0.3	0.1	300	10
A527783	3.10	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	8.1	0.12	14.4	0.13	0.4	0.2	200	15
A527784	9.31	1.8	0.3	0.2	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.7	0.31	55.8	0.24	< 0.1	0.4	160	< 5
A527785	15.2	2.6	0.5	0.2	0.5	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.4	0.35	47.1	0.29	0.1	0.4	280	10
A527786	11.3	2.3	0.4	0.2	0.5	< 0.1	< 0.1	< 0.05	0.2	< 0.001	6.0	0.29	104	0.39	0.3	0.5	380	5
A527787	4.81	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.5	0.30	88.0	0.43	0.4	0.3	300	17
A527788	2.99	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.0	0.27	60.5	0.32	0.1	0.2	280	7
A527789	4.68	1.0	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.6	0.23	67.2	0.36	0.2	0.3	240	9
A527790	4.58	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.8	0.10	53.4	0.28	0.3	0.3	280	6
A527791	4.51	0.7	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	16.2	0.32	51.2	0.28	0.1	0.3	190	10
A527792	2.87	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.1	0.29	58.5	0.24	0.2	0.2	240	16
A527793	2.78	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	0.001	11.6	0.20	54.7	0.27	0.3	0.2	320	15
A527794	3.11	0.4	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	8.7	0.29	104	0.40	0.3	0.2	310	16
A527795	16.7	2.9	0.5	0.3	0.5	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.5	0.21	21.4	0.23	0.1	0.8	190	< 5
A527796	4.20	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.7	0.14	55.4	0.29	0.2	0.3	290	6
A527797	4.09	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	0.001	5.6	0.18	45.0	0.20	0.2	0.2	200	8
A527798	3.89	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	5.6	0.22	30.8	0.19	< 0.1	0.2	240	14
A527799	2.52	0.4	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.001	4.6	0.20	53.3	0.30	0.2	0.2	210	12
A527800	17.9	3.2	0.6	0.3	0.7	< 0.1	< 0.1	< 0.05	0.1	0.001	6.8	0.40	52.5	0.33	0.1	0.9	250	< 5
A527913	5.18	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.1	0.09	36.6	0.20	0.2	0.4	180	7
A527914	6.84	1.5	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	7.9	0.18	35.7	0.19	0.1	0.5	160	8

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A527915	3.51	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	10.8	0.16	35.0	0.18	0.2	0.2	270	16
A527916	2.06	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	6.2	0.17	24.6	0.15	0.2	0.2	240	16
A527917	6.47	1.2	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	0.5	< 0.001	5.0	0.20	40.3	0.25	0.1	0.4	260	< 5
A527918	4.00	0.8	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	6.2	0.18	24.0	0.16	< 0.1	0.2	180	13
A527919	3.61	0.7	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	0.001	9.2	0.15	29.5	0.20	0.1	0.2	150	< 5
A527920	2.04	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.9	0.11	42.8	0.22	0.3	0.1	280	9
A527921	5.10	1.1	0.2	0.2	0.6	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.8	0.10	21.0	0.18	0.7	0.2	100	< 5
A527922	3.97	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.1	0.12	30.8	0.17	0.5	0.3	170	6
A527923	6.42	0.9	0.1	0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	3.2	0.12	37.1	0.16	0.6	0.3	110	5
A527924	4.20	0.9	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	5.0	0.17	56.9	0.36	0.6	0.4	310	< 5
A527925	1.84	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.1	0.11	47.5	0.23	0.5	0.2	270	< 5
A527926	3.34	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.4	0.09	43.2	0.23	1.1	0.2	210	< 5
A527927	7.65	1.3	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.5	0.23	30.1	0.23	0.2	1.2	370	< 5
A527928	13.7	1.9	0.4	0.2	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.005	4.2	0.18	14.0	0.08	0.3	0.9	210	18
A527929	19.9	2.8	0.6	0.3	0.6	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.0	0.23	27.5	0.19	0.2	0.7	250	< 5
A527930	31.1	4.7	0.9	0.5	1.1	0.1	< 0.1	< 0.05	0.1	< 0.001	0.7	0.31	23.8	0.16	0.1	1.5	310	< 5
A527931	35.2	5.5	1.1	0.5	1.1	0.1	< 0.1	< 0.05	0.2	0.001	1.4	0.29	27.4	0.18	0.3	1.6	280	< 5
A527932	1.82	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	10.4	0.11	32.5	0.20	0.5	0.1	400	10
A527933	5.00	0.6	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.9	0.20	27.3	0.16	0.9	0.3	110	8
A527934	3.22	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.7	0.17	32.8	0.17	0.4	0.2	220	10
A527935	4.93	0.8	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	6.6	0.23	60.8	0.26	0.5	0.3	250	19
A527936	2.71	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.1	0.11	37.5	0.22	0.4	0.3	300	12
A527937	2.21	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	12.6	0.22	43.6	0.16	0.3	0.2	300	20
A527938	2.53	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.5	0.27	63.2	0.27	0.2	0.3	370	19
A527939	1.75	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.1	0.27	38.0	0.23	0.2	0.2	390	23
A527940	2.84	0.5	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	6.3	0.26	42.8	0.21	0.1	0.2	180	12
A527941	2.42	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	8.4	0.29	54.1	0.23	0.3	0.2	350	12
A527942	2.47	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.24	58.9	0.31	< 0.1	0.3	320	7
A527943	3.59	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.0	0.20	59.8	0.27	< 0.1	0.2	210	< 5
A527944	12.0	1.7	0.4	0.2	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.7	0.15	26.9	0.24	< 0.1	1.0	380	< 5
A527945	4.40	0.5	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.3	0.12	51.6	0.28	< 0.1	0.3	350	12
A527946	3.11	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.09	38.9	0.19	0.3	0.2	220	< 5
A527947	25.0	3.6	0.8	0.3	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	5.2	0.14	16.1	0.12	0.3	0.7	270	20
A527948	48.6	7.4	1.4	0.6	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.18	10.1	0.09	0.3	1.2	120	< 5
A527949	25.6	2.9	0.7	0.3	0.4	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.3	0.23	61.2	0.36	0.2	0.5	370	17
A527950	3.38	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.7	0.07	32.3	0.17	0.9	0.2	220	< 5
A527951	38.0	3.9	0.9	0.4	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.4	0.39	56.2	0.27	0.3	2.3	370	10
A527952	20.1	3.1	0.6	0.3	0.6	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.4	0.17	16.2	0.12	0.3	0.7	150	< 5
A527953	5.21	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.09	19.2	0.12	1.4	0.3	130	< 5
A527954	4.19	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.3	0.10	28.3	0.17	1.1	0.2	250	6
A527955	3.05	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.4	0.12	42.7	0.29	0.4	0.3	260	7
A527956	6.06	1.0	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	8.7	0.22	47.9	0.24	0.2	0.4	200	< 5
A527957	8.28	1.3	0.3	0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.54	55.4	0.35	0.2	0.6	210	< 5
A527958	5.98	1.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.10	29.2	0.16	1.0	0.3	140	< 5
A527959	2.39	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.9	0.11	17.0	0.12	0.2	0.2	230	6
A527960	3.71	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.9	0.15	46.7	0.29	< 0.1	0.5	350	5
A527961	1.30	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.04	41.9	0.20	0.3	0.2	230	7
A527962	22.9	3.9	0.8	0.4	0.7	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.2	0.10	21.4	0.12	0.2	1.0	260	15
A527963	4.55	0.8	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.4	0.09	18.5	0.11	0.2	0.3	150	< 5
A527964	7.56	1.3	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.7	0.83	70.9	0.25	< 0.1	0.6	180	8
A527965	3.08	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.6	0.31	61.5	0.31	0.4	0.3	340	5

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A527966	4.21	0.6	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.3	0.22	49.5	0.30	0.4	0.3	330	6
A527967	14.5	2.2	0.5	0.3	0.5	< 0.1	< 0.1	< 0.05	0.2	< 0.001	41.4	0.46	76.8	0.37	< 0.1	0.9	260	< 5
A527968	16.1	2.5	0.5	0.3	0.5	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.18	27.4	0.14	0.3	0.4	220	< 5
A527969	8.05	1.3	0.3	0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.17	27.2	0.15	< 0.1	0.6	250	< 5
A527970	3.13	0.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.9	0.22	48.3	0.26	0.5	0.3	300	9
A527971	1.70	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	40.6	0.23	0.4	0.2	350	< 5
A527972	3.99	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.9	0.03	21.4	0.10	< 0.1	0.2	210	< 5
A527973	2.94	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	11.8	0.09	20.6	0.14	0.1	0.2	220	14
A527974	4.18	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.5	0.16	35.9	0.20	1.1	0.3	230	16
A527975	3.73	0.6	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.14	33.8	0.21	0.6	0.2	210	< 5
A527976	10.1	1.3	0.4	0.2	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.12	30.7	0.12	0.2	0.3	220	6
A527977	27.7	4.2	0.8	0.4	0.6	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.6	0.39	89.6	0.42	< 0.1	0.6	280	7
A527978	18.0	2.6	0.5	0.2	0.4	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.36	71.7	0.41	< 0.1	0.5	300	< 5
A527979	3.01	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.13	41.6	0.27	0.4	0.2	230	< 5
A527980	3.64	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.6	0.24	63.2	0.33	0.4	0.3	250	12
A527981	3.84	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.2	0.22	94.3	0.50	0.3	0.4	430	11
A527982	2.14	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.2	0.12	46.3	0.28	0.3	0.2	390	< 5
A527983	71.3	11.3	2.2	0.9	1.2	0.2	< 0.1	< 0.05	0.2	< 0.001	1.5	0.46	57.8	0.28	0.1	1.1	340	7
A527984	12.2	1.6	0.3	0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.10	50.5	0.30	0.5	0.3	330	< 5
A527985	4.21	0.5	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.4	0.08	30.1	0.18	0.3	0.2	290	< 5
A527986	1.88	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.0	0.14	19.1	0.14	0.3	0.2	270	14
A527987	3.54	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	9.2	0.21	50.3	0.21	0.2	0.3	170	11
A527988	2.61	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	13.2	0.22	43.0	0.21	0.1	0.2	380	12
A527989	4.15	0.7	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.8	0.25	33.0	0.20	< 0.1	0.3	250	6
A527990	5.03	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.2	0.18	33.1	0.19	< 0.1	0.3	230	< 5
A527991	4.29	0.8	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.8	0.19	49.7	0.24	< 0.1	0.3	400	< 5
A527992	6.36	1.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.10	21.9	0.15	< 0.1	0.2	180	< 5
A527993	5.54	1.1	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.6	0.12	29.1	0.17	< 0.1	0.4	280	< 5
A527994	2.08	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.3	0.12	64.8	0.37	0.4	0.2	340	< 5
A527995	2.77	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.7	0.13	52.4	0.24	0.5	0.2	240	5
A527996	6.52	1.0	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.56	113	0.47	0.2	0.5	280	< 5
A527997	2.06	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.6	0.11	48.9	0.26	0.2	0.2	320	< 5
A527998	22.2	3.9	0.7	0.3	0.8	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.3	0.29	24.7	0.16	0.2	1.5	310	< 5
A527999	6.20	0.9	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.10	22.1	0.30	0.4	0.2	280	< 5
A528000	2.69	0.6	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.5	0.08	30.8	0.16	0.3	0.2	280	< 5
A1104001	26.9	4.0	0.8	0.4	0.8	< 0.1	< 0.1	< 0.05	0.2	0.002	0.6	0.17	35.9	0.16	0.2	1.8	250	< 5
A1104002	3.28	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.6	0.09	50.7	0.27	0.7	0.2	200	< 5
A1104003	10.0	1.8	0.4	0.2	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.10	23.5	0.21	0.1	1.3	270	< 5
A1104004	4.02	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.07	36.4	0.22	0.7	0.3	230	7
A1104005	1.64	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	36.0	0.18	0.3	0.1	290	< 5
A1104006	4.34	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.3	0.08	37.3	0.22	0.1	0.4	330	5
A1104007	3.04	0.4	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	0.002	< 0.5	0.11	16.1	0.16	0.3	0.4	240	< 5
A1104008	3.38	0.4	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 0.5	0.22	52.0	0.28	0.2	0.5	230	6
A1104009	4.55	0.9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.16	53.5	0.28	0.3	0.3	230	12
A1104010	11.0	1.6	0.3	0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.21	40.0	0.22	0.2	0.3	380	36
A1104011	21.6	3.0	0.6	0.3	0.6	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.20	53.1	0.29	0.3	0.8	280	36
A1104012	31.6	5.0	0.9	0.4	0.8	0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.31	67.2	0.36	0.3	0.7	440	41
A1104013	3.41	0.4	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.0	0.30	73.5	0.35	0.3	0.3	330	33
A1104014	6.05	1.0	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.3	0.16	27.5	0.20	0.2	0.3	220	8
A1104015	7.00	1.2	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	8.9	0.08	5.6	0.08	0.2	0.1	90	8
A1104016	27.5	4.4	0.7	0.3	0.5	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.4	0.17	11.7	0.10	0.3	0.5	110	8

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A1104017	16.9	2.8	0.5	0.2	0.5	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.17	12.2	0.13	0.2	0.5	190	< 5
A1104018	2.48	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.17	73.0	0.44	0.3	0.2	380	10
A1104019	2.24	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.15	33.9	0.20	0.4	0.2	320	12
A1104020	4.68	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.1	0.14	67.4	0.31	0.6	0.3	320	9
A1104021	93.8	14.5	2.9	1.4	2.8	0.4	< 0.1	< 0.05	0.1	0.008	< 0.5	0.78	37.5	0.22	0.3	2.9	340	8
A1104022	4.75	0.8	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	15.5	0.12	0.7	0.3	120	9
A1104023	3.38	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.0	0.22	41.2	0.23	0.2	0.2	240	16
A1104024	4.17	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	10.3	0.11	43.7	0.27	0.3	0.2	220	15
A1104025	1.94	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.7	0.06	24.0	0.14	0.2	0.1	220	14
A1104026	4.15	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.06	9.6	0.06	< 0.1	0.2	130	6
A1104027	13.1	2.3	0.4	0.2	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.14	26.9	0.17	< 0.1	0.7	260	< 5
A1104028	4.13	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.3	0.10	28.0	0.21	0.4	0.3	200	10
A1104029	2.14	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.4	0.11	14.8	0.11	< 0.1	0.2	160	7
A1104030	3.42	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.12	20.8	0.13	< 0.1	0.2	140	7
A1104031	98.6	13.8	2.7	1.0	1.6	0.2	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.35	29.3	0.19	0.4	1.2	300	13
A1104032	60.7	8.1	1.7	0.7	1.1	0.2	< 0.1	< 0.05	< 0.1	0.003	1.7	0.32	21.6	0.17	0.3	0.7	290	< 5
A1104033	5.78	1.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.9	0.11	77.9	0.34	0.4	0.4	280	< 5
A1104034	4.28	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.4	0.20	38.9	0.26	0.4	0.3	290	16
A1104035	2.72	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.5	0.11	47.5	0.27	0.5	0.2	320	16
A1104036	2.76	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.6	0.22	45.7	0.29	0.4	0.3	290	8
A1104037	3.38	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.9	0.25	42.9	0.22	0.3	0.3	270	11
A1104038	3.32	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.2	0.23	49.5	0.25	0.1	0.3	320	14
A1104039	1.11	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.4	0.14	15.8	0.11	0.2	< 0.1	300	24
A1104040	2.09	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.1	0.23	67.0	0.25	0.2	0.2	260	32
A1104041	4.51	0.8	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.16	26.0	0.15	0.3	0.3	100	8
A1104042	2.98	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.9	0.21	47.5	0.20	0.3	0.2	240	15
A1104043	1.93	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.5	0.20	47.6	0.27	0.4	0.2	380	7
A1104044	2.25	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.10	40.0	0.21	0.3	0.2	240	9
A1104045	4.68	0.8	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.10	33.1	0.17	0.2	0.3	330	25
A1104046	3.84	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.10	48.4	0.23	0.3	0.2	340	< 5
A1104047	34.7	5.3	1.1	0.5	1.0	0.1	< 0.1	< 0.05	0.1	< 0.001	1.7	0.29	63.9	0.30	0.2	1.0	290	< 5
A1104048	4.13	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.9	0.16	32.8	0.17	0.3	0.3	200	10
A1104049	2.45	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.0	0.13	56.6	0.26	0.6	0.2	300	11
A1104050	5.03	0.8	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.7	0.11	56.0	0.32	0.4	0.3	260	5
A1104051	7.24	1.3	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.6	0.09	32.7	0.21	0.4	0.4	250	6
A1104052	2.34	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.06	34.1	0.18	0.5	0.2	210	6
A1104053	29.8	4.9	1.0	0.4	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.7	0.07	19.1	0.14	< 0.1	1.5	530	8
A1104054	2.93	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	13.6	0.19	45.0	0.20	0.2	0.2	230	16
A1104055	3.16	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.1	0.10	37.5	0.20	0.3	0.2	260	8
A1104056	2.25	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.1	0.17	45.3	0.25	0.2	0.2	360	9
A1104057	1.65	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.6	0.09	21.1	0.15	0.2	0.1	300	14
A1104058	1.76	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.21	45.6	0.21	0.2	0.1	370	5
A1104059	8.85	1.4	0.3	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.9	0.13	19.7	0.14	< 0.1	0.4	250	8
A1104060	19.5	2.6	0.5	0.3	0.6	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.8	0.39	48.2	0.28	0.2	0.9	310	< 5
A1104061	8.48	1.5	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.1	0.22	35.4	0.20	0.2	0.7	150	< 5
A1104062	2.07	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.4	< 0.001	1.6	0.08	36.5	0.18	0.4	0.2	220	5
A1104063	10.9	1.8	0.3	0.2	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.9	0.16	35.9	0.23	< 0.1	0.7	210	6
A1104064	3.03	0.6	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.6	0.12	25.4	0.16	0.2	0.2	110	6
A1104065	4.89	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	9.6	0.11	10.2	0.08	< 0.1	0.2	130	12
A1104066	5.97	0.8	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.18	25.6	0.21	< 0.1	0.4	250	11
A1104067	46.2	7.2	1.6	0.7	1.2	0.2	< 0.1	< 0.05	0.2	< 0.001	2.1	0.42	55.2	0.38	0.1	1.3	320	< 5

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A1104068	3.09	0.4	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.5	0.17	73.3	0.32	0.2	0.2	320	12
A1104069	24.8	3.2	0.7	0.3	0.5	< 0.1	< 0.1	< 0.05	0.3	< 0.001	2.0	0.21	48.9	0.24	0.2	0.4	330	11
A1104070	7.01	0.8	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.15	66.2	0.36	0.3	0.2	240	9
A1104071	2.60	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.4	0.14	95.0	0.46	0.5	0.2	310	5
A1104072	19.7	2.8	0.6	0.3	0.5	< 0.1	< 0.1	< 0.05	0.3	< 0.001	2.6	0.19	61.9	0.37	0.2	0.4	270	< 5
A1104073	54.8	8.0	1.6	0.7	1.3	0.2	< 0.1	< 0.05	0.1	< 0.001	1.4	0.30	15.5	0.12	0.3	1.5	250	7
A1104074	3.10	0.3	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.4	0.12	31.4	0.18	< 0.1	0.2	180	8
A1104075	12.8	2.1	0.4	0.2	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.2	0.15	32.6	0.14	0.2	0.2	220	14
A1104076	3.71	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.9	0.12	45.1	0.25	0.3	0.2	210	11
A1104077	2.36	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.9	0.11	53.8	0.29	< 0.1	0.2	300	10
A1104078	5.09	0.8	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.5	0.08	35.5	0.21	0.2	0.3	180	14
A1104079	1.04	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	6.1	0.08	13.0	0.09	0.2	< 0.1	200	15
A1104080	4.19	0.7	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.0	0.14	40.3	0.25	0.3	0.2	240	9
A1104081	7.47	1.4	0.3	0.1	0.3	< 0.1	< 0.1	< 0.05	1.2	< 0.001	< 0.5	0.06	11.3	0.08	0.2	0.3	100	5
A1104082	3.12	0.7	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.004	0.8	0.08	23.1	0.12	0.2	0.2	210	< 5
A1104083	1.85	0.4	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.07	20.5	0.09	< 0.1	0.1	100	< 5
A1104084	0.95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.002	5.5	0.04	15.9	0.07	< 0.1	< 0.1	170	< 5
A1104085	12.0	1.8	0.4	0.2	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.003	< 0.5	0.19	19.9	0.11	0.3	0.3	250	6
A1104086	5.74	0.8	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.08	20.6	0.15	0.3	0.2	240	< 5
A1104087	49.5	7.4	1.4	0.6	1.2	0.2	< 0.1	< 0.05	0.1	0.003	1.0	0.31	22.4	0.13	0.4	1.0	270	< 5
A1104088	4.11	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.2	0.08	54.1	0.29	0.4	0.2	300	13
A1104089	2.17	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.7	0.14	46.5	0.21	0.3	0.2	260	26
A1104090	2.87	0.5	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.3	0.14	56.9	0.29	0.4	0.2	260	7
A1104091	1.32	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.8	0.09	37.7	0.24	0.3	0.1	330	9
A1104092	8.55	1.5	0.3	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	3.7	0.12	24.9	0.11	0.2	0.4	210	< 5
A1104093	61.4	8.6	2.0	0.8	1.7	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.15	7.9	0.07	0.3	1.1	160	< 5
A1104094	1.65	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	19.6	0.07	48.8	0.27	0.4	0.1	260	< 5
A1104095	2.06	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.11	41.9	0.30	0.3	0.1	290	< 5
A1104096	24.5	4.2	0.8	0.4	0.9	0.1	< 0.1	< 0.05	< 0.1	0.004	1.3	0.17	21.6	0.19	0.3	0.7	290	< 5
A1104097	17.7	2.7	0.6	0.3	0.7	0.1	< 0.1	< 0.05	0.1	0.004	1.9	0.15	15.0	0.09	0.1	0.5	250	< 5
A1104098	14.4	2.2	0.5	0.3	0.7	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.17	28.7	0.20	0.4	0.5	240	< 5
A1104099	1.93	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	0.001	< 0.5	0.08	25.8	0.23	0.2	0.2	220	< 5
A1104100	6.18	0.9	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	2.4	0.09	15.4	0.10	0.1	0.4	150	6
A1104101	3.57	0.7	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.15	78.9	0.41	0.3	0.3	300	< 5
A1104102	1.48	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.1	0.07	35.7	0.17	0.2	0.1	250	9
A1104103	42.6	6.6	1.4	0.7	1.4	0.2	< 0.1	< 0.05	0.1	< 0.001	2.6	0.25	40.3	0.23	0.3	1.4	250	5
A1104104	43.2	7.0	1.4	0.7	1.5	0.2	< 0.1	< 0.05	0.1	< 0.001	49.2	0.26	41.0	0.23	0.3	1.4	260	9
A1104105	4.64	0.7	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	60.4	0.29	0.7	0.3	210	< 5
A1104106	2.32	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	31.3	0.18	0.5	0.2	260	< 5
A1104107	6.00	0.9	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.8	0.13	15.8	0.08	0.3	0.3	150	11
A1104109	2.55	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.9	0.13	25.2	0.15	0.2	0.2	230	10
A1104110	10.9	1.8	0.4	0.2	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.2	0.24	54.0	0.32	0.1	0.9	250	8
A1104111	2.25	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.3	0.09	49.0	0.25	0.7	0.2	240	5
A1104112	8.54	1.3	0.3	0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.8	0.42	71.7	0.35	0.2	0.4	190	< 5
A1104113	7.49	1.4	0.3	0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.6	0.08	19.5	0.17	0.2	0.3	210	< 5
A1104114	17.2	2.8	0.6	0.3	0.7	0.1	< 0.1	< 0.05	0.2	< 0.001	1.1	0.19	24.5	0.18	0.2	0.8	280	< 5
A1104115	21.3	3.4	0.7	0.3	0.5	< 0.1	< 0.1	< 0.05	0.6	< 0.001	16.2	0.11	68.4	0.39	0.2	0.3	390	16
A1104116	20.9	3.6	0.7	0.3	0.5	< 0.1	< 0.1	< 0.05	0.5	< 0.001	2.8	0.11	68.1	0.40	0.2	0.3	350	33
A1104117	2.31	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.6	0.11	79.3	0.35	0.2	0.2	230	10
A1104118	48.5	6.8	1.3	0.5	0.8	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.07	38.6	0.25	0.3	0.3	260	< 5
A1104119	210	32.2	6.2	2.4	4.7	0.7	0.2	< 0.05	0.1	0.006	< 0.5	0.31	14.6	0.16	0.5	1.3	300	< 5

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A1104120	39.4	5.9	1.2	0.5	1.0	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.14	9.8	0.07	0.5	0.8	180	< 5
A1104121	16.6	3.0	0.5	0.2	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.004	< 0.5	0.14	28.3	0.16	0.1	0.2	230	< 5
A1104122	10.7	1.5	0.4	0.2	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.005	< 0.5	0.09	25.8	0.15	0.2	0.2	240	< 5
A1104123	2.55	0.4	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.002	1.5	0.14	20.5	0.13	0.3	0.2	290	< 5
A1104124	1.82	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.07	27.4	0.18	0.2	0.1	190	< 5
A1104125	1.90	0.3	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.7	0.09	29.1	0.15	0.2	0.2	200	< 5
A1104126	41.8	6.8	1.5	0.7	1.4	0.2	< 0.1	< 0.05	0.3	0.004	2.1	0.70	26.1	0.17	0.5	1.0	270	< 5
A1104127	1.91	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	43.7	0.24	0.4	0.1	340	< 5
A1104128	1.61	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.14	39.0	0.24	0.3	0.1	390	< 5
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Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	13.9			0.036	0.16	5.05	0.033	0.042	0.11	0.10	169	403		371	12.8	24.3	182	327	34.0	16.0		4.5	
OREAS 45d (Aqua Regia) Cert	11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50	
OREAS 45d (Aqua Regia) Meas	18.5			0.041	0.18	5.77	0.034	0.042	0.12	0.11	197	452		416	14.8	28.1	205	370	38.7	17.5		6.1	
OREAS 45d (Aqua Regia) Cert	11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.089	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50	
OREAS 45d (Aqua Regia) Meas	15.6			0.038	0.16	5.38	0.036	0.043	0.12	0.10	187	486		399	13.5	25.6	193	345	36.7	17.0		5.6	
OREAS 45d (Aqua Regia) Cert	11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50	
OREAS 922 (AQUA REGIA) Meas	24.0	0.7		0.026	1.40	2.92	0.061	0.366	0.45	0.43	31	42		707	4.97	18.7	33.0	2100	241	7.20	< 0.1	6.5	2.9
OREAS 922 (AQUA REGIA) Cert	22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12	3.44
OREAS 922 (AQUA REGIA) Meas	22.8	0.6		0.026	1.31	2.72	0.063	0.377	0.46	0.38	32	47		769	5.18	18.3	34.8	2240	263	7.49	< 0.1	6.5	3.2
OREAS 922 (AQUA REGIA) Cert	22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12	3.44
OREAS 922 (AQUA REGIA) Meas	23.7	0.7		0.030	1.36	2.87	0.067	0.383	0.52	0.40	34	50		778	5.39	19.4	36.1	2320	265	7.92	< 0.1	7.1	3.2
OREAS 922 (AQUA REGIA) Cert	22.8	0.65		0.021	1.33	2.72	0.063	0.386	0.376	0.324	29.4	40.7		730	5.05	19.4	34.3	2176	256	7.62	0.10	6.12	3.44
OREAS 923 (AQUA REGIA) Meas	25.2	0.7			1.57	2.99	0.060	0.702	0.40	0.44	33	42		859	6.02	21.2	32.4	4280	343	7.80		7.6	5.8
OREAS 923 (AQUA REGIA) Cert	23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07	5.99
OREAS 923 (AQUA REGIA) Meas	25.3	0.6			1.35	2.62	0.060	0.661	0.35	0.42	31	41		827	5.82	21.7	34.3	4380	352	8.09		7.9	5.6
OREAS 923 (AQUA REGIA) Cert	23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07	5.99
OREAS 520 (Aqua Regia) Meas	14.8	0.5		0.059	1.05	1.36	0.070	0.898	0.47	3.66	228	38	0.13	2220	15.4	192	71.5	2870	23.4	12.6	< 0.1	152	0.9
OREAS 520 (Aqua Regia) Cert	16.6	0.540		0.0520	1.14	1.56	0.0740	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152	1.73
OREAS 520 (Aqua Regia) Meas	15.5	0.6		0.060	1.08	1.46	0.074	0.979	0.52	3.90	252	40	0.14	2360	16.5	206	75.0	2970	23.8	12.8	0.2	157	1.1
OREAS 520 (Aqua Regia) Cert	16.6	0.540		0.0520	1.14	1.56	0.0740	1.03	0.506	3.84	247	37.4	0.135	2280	15.74	196	73.0	2960	20.7	13.7	0.250	152	1.73
OREAS 907 (Aqua Regia) Meas	5.2	1.1		0.103	0.19	1.36	0.024	0.061	0.39	0.27	6	11	0.02	342	8.59	45.0	6.0	6760	142	15.7		39.7	9.1
OREAS 907 (Aqua Regia) Cert	4.05	0.870		0.0860	0.221	0.945	0.0240	0.0660	0.286	0.280	5.12	8.59	0.0170	330	8.18	43.7	4.74	6370	139	14.7		37.0	9.05
OREAS 907	4.7	0.9		0.091	0.16	1.10	0.025	0.062	0.35	0.28	6	10	0.02	368	8.90	48.0	5.5	6790	156	16.8		38.1	9.6

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert	4.05	0.870		0.0860	0.221	0.945	0.0240	0.0660	0.286	0.280	5.12	8.59	0.0170	330	8.18	43.7	4.74	6370	139	14.7		37.0	9.05
OREAS 907 (Aqua Regia) Meas	4.7	1.0		0.085	0.19	1.04			0.35	0.27	5	8		315	8.07	43.1	4.5	6440	141	14.2		36.2	8.7
OREAS 907 (Aqua Regia) Cert	4.05	0.870		0.0860	0.221	0.945			0.286	0.280	5.12	8.59		330	8.18	43.7	4.74	6370	139	14.7		37.0	9.05
OREAS 907 (Aqua Regia) Meas	4.9	0.9		0.095	0.17	1.14			0.37	0.27	6	11		331	8.22	44.6	5.8	6590	152	15.3		37.9	9.5
OREAS 907 (Aqua Regia) Cert	4.05	0.870		0.0860	0.221	0.945			0.286	0.280	5.12	8.59		330	8.18	43.7	4.74	6370	139	14.7		37.0	9.05
OREAS 218 Meas																							
OREAS 218 Cert																							
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OREAS 218 Cert																							
Oreas 621 (Aqua Regia) Meas	7.7	0.5		0.158	0.44	1.49	0.031	4.612	0.29	1.79	12	26		499	3.53	29.8	23.2	3530	> 5000	9.00		74.7	4.7
Oreas 621 (Aqua Regia) Cert	8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64
Oreas 621 (Aqua Regia) Meas	7.1	0.5		0.172	0.31	1.65	0.034	4.527	0.35	1.59	11	31		518	3.48	29.1	25.7	3810	> 5000	9.60		76.9	4.7
Oreas 621 (Aqua Regia) Cert	8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64
Oreas 621 (Aqua Regia) Meas	6.9	0.5		0.186	0.33	1.67	0.033	4.554	0.35	1.53	11	31		503	3.41	27.3	25.1	3670	> 5000	9.29		74.5	4.7
Oreas 621 (Aqua Regia) Cert	8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0	5.64
Oreas 621 (Aqua Regia) Meas							0.033	4.315															
Oreas 621 (Aqua Regia) Cert							0.0335	4.50															
OREAS 263 (Aqua Regia) Meas	20.8	1.3		0.084	0.60	1.79	0.047	0.126	0.37	1.03	26	58		490	3.74	30.0	73.3	89.3	132	3.64		30.9	
OREAS 263 (Aqua Regia) Cert	20.1	1.22		0.0790	0.593	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8	
OREAS 263 (Aqua Regia) Meas	21.3	1.1		0.084	0.60	1.70	0.043	0.118	0.40	1.03	27	59		496	3.78	31.1	74.0	90.5	130	4.34		31.1	
OREAS 263 (Aqua Regia) Cert	20.1	1.22		0.0790	0.593	1.29	0.0410	0.126	0.288	1.03	22.8	48.0		490	3.68	31.0	72.0	87.0	127	4.92		30.8	
Oreas 623 (Aqua Regia) Meas	9.1	0.4		0.088	1.12	1.84	0.043	8.872	0.18	1.07	15	17		548	12.6	209	15.3	> 10000	> 5000	12.3		77.6	18.1
Oreas 623 (Aqua	10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS
Regia) Cert											
Oreas 623 (Aqua Regia) Meas	8.6	0.4		0.072	1.07	1.65	0.043	9.022	0.16	1.01	15
Oreas 623 (Aqua Regia) Cert	10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8
Oreas 623 (Aqua Regia) Meas	8.7	0.4		0.071	0.99	1.79	0.043	9.014	0.18	1.02	16
Oreas 623 (Aqua Regia) Cert	10.0	0.370		0.0680	1.11	1.80	0.0400	8.75	0.175	1.09	15.8
Oreas 623 (Aqua Regia) Meas	8.8	0.3		0.073	1.06	1.67			0.17	1.10	16
Oreas 623 (Aqua Regia) Cert	10.0	0.370		0.0680	1.11	1.80			0.175	1.09	15.8
Oreas 623 (Aqua Regia) Meas	8.4	0.3		0.078	1.01	1.65			0.17	1.00	15
Oreas 623 (Aqua Regia) Cert	10.0	0.370		0.0680	1.11	1.80			0.175	1.09	15.8
Oreas E1336 (Fire Assay) Meas											
Oreas E1336 (Fire Assay) Cert											
Oreas E1336 (Fire Assay) Meas											
Oreas E1336 (Fire Assay) Cert											
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Oreas E1336 (Fire Assay) Meas											
Oreas E1336 (Fire Assay) Cert											
A527757 Orig	0.7	0.2	17	0.017	0.25	0.25	0.067	0.488	0.03	3.43	17
A527757 Dup	0.8	0.2	17	0.019	0.26	0.26	0.070	0.517	0.03	3.47	17
A527775 Orig	8.3	0.2	4	0.033	0.32	0.91	0.071	0.077	0.09	0.36	34
A527775 Dup	8.2	0.2	4	0.033	0.33	0.94	0.069	0.076	0.08	0.38	33
A527792 Orig	1.8	< 0.1	9	0.021	0.16	0.34	0.133	0.131	0.16	0.83	12
A527792 Dup	1.7	< 0.1	8	0.020	0.15	0.31	0.133	0.129	0.14	0.78	11
A527924 Orig	1.5	0.2	6	0.019	0.10	0.39	0.066	0.115	0.07	1.20	11
A527924 Dup	1.5	0.2	5	0.018	0.10	0.41	0.066	0.114	0.07	1.29	11
A527937 Orig	1.4	< 0.1	7	0.017	0.09	0.29	0.148	0.169	0.12	0.78	8
A527937 Dup	1.4	< 0.1	7	0.016	0.09	0.30	0.150	0.175	0.12	0.78	9
A527948 Orig	10.6	0.5	5	0.035	0.27	1.44	0.095	0.091	0.08	0.86	24
A527948 Dup	10.7	0.5	5	0.031	0.27	1.55	0.094	0.089	0.08	0.85	24

Analyte Symbol	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Regia) Cert												
Oreas 623 (Aqua Regia) Meas	16		581	13.1	224	14.1	> 10000	> 5000	11.9		79.4	19.2
Oreas 623 (Aqua Regia) Cert	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6
Oreas 623 (Aqua Regia) Meas	21		553	12.6	221	16.6	> 10000	> 5000	12.4		83.3	21.7
Oreas 623 (Aqua Regia) Cert	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6
Oreas 623 (Aqua Regia) Meas	17		552	12.9	222	15.3	> 10000	> 5000	12.6		82.8	20.6
Oreas 623 (Aqua Regia) Cert	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6
Oreas 623 (Aqua Regia) Meas	16		550	12.6	215	13.6	> 10000	> 5000	12.1		80.1	19.8
Oreas 623 (Aqua Regia) Cert	19.4		570	13.0	216	15.6	17200	10100	11.9		76.0	18.6
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												
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Oreas E1336 (Fire Assay) Cert												
Oreas E1336 (Fire Assay) Meas												
Oreas E1336 (Fire Assay) Cert												
A527757 Orig	6	< 0.01	17	0.22	1.0	469	248	18.0	1.14	0.4	1.9	2.5
A527757 Dup	6	< 0.01	16	0.23	1.0	486	244	19.7	1.05	0.5	2.0	3.5
A527775 Orig	23	0.06	352	1.38	7.0	13.6	24.7	44.2	4.69	< 0.1	2.9	1.2
A527775 Dup	22	0.06	347	1.38	7.0	13.6	24.2	41.1	4.55	< 0.1	3.0	1.1
A527792 Orig	15	0.01	2950	0.61	4.2	11.0	15.6	216	2.14	< 0.1	2.2	1.4
A527792 Dup	14	0.01	2820	0.64	4.2	10.7	14.3	211	1.93	< 0.1	2.4	1.4
A527924 Orig	7	0.01	336	0.56	2.2	4.8	14.1	36.3	1.78	0.2	6.1	1.9
A527924 Dup	8	0.01	366	0.62	2.3	4.9	14.1	35.7	1.88	0.1	5.8	2.0
A527937 Orig	8	< 0.01	1980	0.42	1.9	3.5	9.0	90.7	0.45	< 0.1	0.9	0.5
A527937 Dup	7	0.01	1970	0.42	1.7	3.6	8.9	91.5	0.44	< 0.1	1.9	1.4
A527948 Orig	27	0.04	937	1.62	6.5	15.4	25.8	50.0	2.55	< 0.1	1.8	0.8
A527948 Dup	28	0.04	981	1.66	6.7	16.1	26.2	50.9	2.60	< 0.1	1.5	0.4

Analyte Symbol	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se
Unit Symbol	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527961 Orig	0.7	< 0.1	3	0.019	0.05	0.21	0.084	0.149	0.06	0.24	6	6	< 0.01	193	0.29	0.7	2.2	8.4	121	0.49	0.1	2.8	0.3
A527961 Dup	0.6	< 0.1	3	0.018	0.05	0.21	0.083	0.152	0.06	0.22	6	6	< 0.01	181	0.26	0.6	2.3	8.0	117	0.46	0.1	2.3	0.9
A527977 Orig	3.9	0.5	8	0.023	0.17	0.81	0.123	0.158	0.12	1.19	15	11	0.01	5100	0.84	22.8	13.1	20.0	155	0.92	< 0.1	4.8	1.7
A527977 Dup	3.8	0.5	8	0.023	0.17	0.84	0.123	0.160	0.11	1.13	15	12	0.01	5090	0.84	22.5	12.4	19.3	159	0.77	< 0.1	4.6	1.6
A527990 Orig	1.7	0.1	5	0.023	0.07	0.50	0.112	0.119	0.10	0.24	11	8	0.01	228	0.57	1.9	3.9	10.1	38.3	1.30	< 0.1	2.6	0.8
A527990 Dup	1.7	0.2	5	0.025	0.08	0.51	0.107	0.116	0.10	0.24	11	8	< 0.01	237	0.59	1.9	3.9	10.9	40.8	1.21	< 0.1	2.7	0.7
A1104002 Orig	1.2	0.1	4	0.019	0.05	0.29	0.071	0.088	0.10	0.23	9	7	0.01	64	0.47	0.6	3.0	6.5	38.9	1.03	< 0.1	2.2	0.8
A1104002 Dup	1.2	< 0.1	4	0.022	0.06	0.30	0.070	0.086	0.10	0.24	9	7	0.01	68	0.50	0.7	3.1	6.8	41.3	0.95	0.1	1.7	0.8
A1104019 Orig	1.0	< 0.1	7	0.017	0.12	0.23	0.096	0.159	0.13	0.84	7	5	< 0.01	490	0.32	1.0	3.1	13.3	80.4	< 0.02	0.1	1.9	0.8
A1104019 Dup	0.9	< 0.1	6	0.016	0.11	0.20	0.097	0.161	0.11	0.77	6	5	< 0.01	449	0.30	0.9	2.9	12.6	80.8	< 0.02	< 0.1	1.9	0.7
A1104041 Orig	2.0	0.1	3	0.024	0.08	0.32	0.058	0.058	0.07	0.19	14	10	0.03	1290	0.54	2.2	2.7	4.5	31.1	1.60	< 0.1	1.9	0.6
A1104041 Dup	2.3	< 0.1	4	0.030	0.08	0.36	0.057	0.057	0.08	0.22	16	11	0.03	1420	0.62	2.4	3.0	4.9	36.0	1.87	< 0.1	2.5	0.6
A1104049 Orig	1.1	0.1	6	0.014	0.06	0.28	0.076	0.146	0.10	0.45	9	6	< 0.01	77	0.33	0.8	3.6	8.6	65.5	< 0.02	0.1	3.1	0.9
A1104049 Dup	1.1	< 0.1	6	0.015	0.06	0.27	0.079	0.152	0.10	0.43	8	6	< 0.01	77	0.33	0.8	5.1	11.4	68.4	< 0.02	0.1	3.0	0.9
A1104063 Orig	4.0	0.4	5	0.018	0.13	1.05	0.104	0.103	0.08	0.19	23	13	0.02	721	1.47	21.2	8.2	28.8	27.1	2.61	< 0.1	3.9	1.5
A1104063 Dup	4.2	0.3	4	0.019	0.14	1.05	0.104	0.104	0.08	0.18	23	13	0.02	706	1.49	20.5	8.4	28.6	28.2	2.50	< 0.1	3.9	1.7
A1104081 Orig	2.7	0.2	2	0.035	0.14	0.52	0.053	0.092	0.06	0.36	14	11	0.03	90	0.90	3.9	5.5	6.5	46.0	1.98	< 0.1	0.8	0.4
A1104081 Dup	2.6	0.2	3	0.033	0.13	0.53	0.052	0.091	0.06	0.35	14	12	0.03	90	0.88	4.0	5.5	6.1	39.0	1.98	< 0.1	1.6	1.1
A1104105 Orig	1.2	0.1	4	0.025	0.06	0.42	0.067	0.110	0.09	0.19	10	8	0.02	61	0.52	1.8	12.4	12.6	51.9	0.82	< 0.1	2.9	0.8
A1104105 Dup	1.3	0.2	4	0.028	0.06	0.41	0.073	0.120	0.09	0.19	10	8	0.02	63	0.54	1.9	12.2	12.4	53.4	0.74	< 0.1	2.7	0.9
A1104120 Orig	0.7	0.1	7	0.027	0.13	0.41	0.082	0.614	0.02	2.22	9	9	< 0.01	106	0.40	2.6	7.1	56.5	28.4	0.11	< 0.1	1.2	0.6
A1104120 Dup	0.7	0.1	6	0.025	0.12	0.42	0.079	0.595	0.02	2.05	8	8	< 0.01	99	0.38	2.4	6.4	52.5	26.3	0.11	< 0.1	1.9	0.8
Method Blank	< 0.1	< 0.1	< 1	0.012	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	0.3	< 0.1	0.18	< 0.1	0.5	0.7
Method Blank	< 0.1	< 0.1	< 1	0.012	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	2	< 0.01	< 1	< 0.01	< 0.1	0.1	< 0.2	0.8	0.02	< 0.1	0.4	0.4
Method Blank	< 0.1	< 0.1	< 1	0.013	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	2	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.3	0.13	< 0.1	< 0.1	0.8
Method Blank	< 0.1	< 0.1	< 1	0.011	< 0.01	< 0.01			< 0.01	< 0.01	1	< 1		< 1	< 0.01	< 0.1	< 0.1	0.2	< 0.1	0.15	< 0.1	< 0.1	0.5
Method Blank	< 0.1	< 0.1	< 1	0.009	< 0.01	< 0.01			< 0.01	< 0.01	1	1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.5	< 0.02	< 0.1	< 0.1	0.1
Method Blank	< 0.1	< 0.1	< 1	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	2	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.6	< 0.02	< 0.1	< 0.1	0.1
Method Blank	< 0.1	< 0.1	< 1	0.011	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	2	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.6	< 0.02	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	1	0.010	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.3	0.11	< 0.1	0.2	0.4
Method Blank	< 0.1	< 0.1	< 1	0.002	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	1	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.1	< 0.2	0.1	0.12	< 0.1	0.5	0.3
Method Blank																							
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Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas	19.0	12.5	4.02		40.6											0.07	1.72				77.2	10.0	23.9
OREAS 45d (Aqua Regia) Cert	20.9	11.0	5.08		41.50											0.085	1.950				80	9.960	24.8
OREAS 45d (Aqua Regia) Meas	20.2	12.5	4.31		44.3											0.07	1.82				86.7	10.8	24.8
OREAS 45d (Aqua Regia) Cert	20.9	11.0	5.08		41.50											0.085	1.950				80	9.960	24.8
OREAS 45d (Aqua Regia) Meas	21.0	11.5	4.14		38.7											0.09	1.85				81.2	10.5	24.8
OREAS 45d (Aqua Regia) Cert	20.9	11.0	5.08		41.50											0.085	1.950				80	9.960	24.8
OREAS 922 (AQUA REGIA) Meas	23.4	16.0	18.2	16.8	4.0	8.0	4.7					0.5	0.68	0.813	0.18	0.25	4.20	0.64		1.86	80.4	36.4	74.7
OREAS 922 (AQUA REGIA) Cert	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5	63
OREAS 922 (AQUA REGIA) Meas	25.2	14.1	18.4	20.8	3.5	8.0	4.7					0.5	0.71	0.824	0.24	0.23	4.05	0.67		2.06	83.9	34.9	70.4
OREAS 922 (AQUA REGIA) Cert	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5	63
OREAS 922 (AQUA REGIA) Meas	27.8	15.7	20.2	22.8	3.9	8.3	5.2					0.5	0.76	0.917	0.31	0.24	4.23	0.66		2.13	90.7	36.8	74.6
OREAS 922 (AQUA REGIA) Cert	22.7	15.0	16.0	22.3	3.15	7.33	4.44					0.35	0.69	0.851	0.28	0.24	3.83	0.57		1.76	70	32.5	63
OREAS 923 (AQUA REGIA) Meas	21.8	14.6	17.6	19.1	3.9	7.4	4.4						0.89	1.59	0.41	0.46	6.47	0.62		1.66	46.5	33.9	69.3
OREAS 923 (AQUA REGIA) Cert	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0	60
OREAS 923 (AQUA REGIA) Meas	21.3	13.1	16.7	23.2	4.1	7.1	4.4						0.84	1.61	0.41	0.41	6.13	0.62		1.65	70.6	31.9	60.8
OREAS 923 (AQUA REGIA) Cert	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0	60
OREAS 520 (Aqua Regia) Meas	27.8	33.1	12.5	32.7	10.5								60.3			0.10	3.41	1.89	0.36	0.50		71.7	72.6
OREAS 520 (Aqua Regia) Cert	31.5	36.0	14.3	28.0	11.8								62.0			0.110	3.42	1.97	0.33	0.570		83.0	79.0
OREAS 520 (Aqua Regia) Meas	29.3	34.6	13.7	34.6	11.4								64.3			0.10	3.53	1.93	0.31	0.52		75.6	78.0
OREAS 520 (Aqua Regia) Cert	31.5	36.0	14.3	28.0	11.8								62.0			0.110	3.42	1.97	0.33	0.570		83.0	79.0
OREAS 907 (Aqua Regia) Meas	21.4	12.8	7.50	47.3	2.5	8.0	4.1	1.9	0.2	0.5	< 0.1		6.06	1.42	0.61	2.55	2.71	2.04	0.25	1.44	277	38.4	73.5
OREAS 907 (Aqua Regia) Cert	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1	73.0
OREAS 907	20.4	12.7	7.13	41.7	2.4	8.2	4.0	1.9	0.2	0.4	< 0.1		5.46	1.39	0.49	2.40	2.58	2.28	0.25	1.34	257	38.5	74.9

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
(Aqua Regia) Meas																							
OREAS 907 (Aqua Regia) Cert	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1	73.0
OREAS 907 (Aqua Regia) Meas	18.8	11.4	6.85	36.9	2.2	7.6	3.8	1.7	0.2	0.5	< 0.1		5.43	1.24	0.50	2.22	2.43	2.42	0.22	1.30	234	34.8	70.6
OREAS 907 (Aqua Regia) Cert	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1	73.0
OREAS 907 (Aqua Regia) Meas	20.2	11.9	7.00	33.6	2.2	7.9	4.0	1.8	0.3	0.5	< 0.1		5.57	1.27	0.53	2.31	2.56	2.45	0.23	1.38	250	36.7	74.3
OREAS 907 (Aqua Regia) Cert	16.7	11.7	6.52	43.7	2.16	7.36	3.45	1.63	0.210	0.430	0.0490		5.64	1.30	0.540	2.35	2.34	2.28	0.230	1.17	225	36.1	73.0
OREAS 218 Meas																							
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Oreas 621 (Aqua Regia) Meas		19.1	6.86	59.0	2.6								12.6	60.7	249	1.55	2.41	74.4		0.86		19.0	38.1
Oreas 621 (Aqua Regia) Cert		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6
Oreas 621 (Aqua Regia) Meas		18.3	6.95	63.2	2.4								13.2	62.4	284	1.66	2.63	115		0.93		19.2	39.7
Oreas 621 (Aqua Regia) Cert		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6
Oreas 621 (Aqua Regia) Meas		17.4	6.92	64.0	2.4								13.1	62.2	288	1.63	2.65	116		0.98		18.7	39.2
Oreas 621 (Aqua Regia) Cert		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4	39.6
Oreas 621 (Aqua Regia) Meas																							
Oreas 621 (Aqua Regia) Cert																							
OREAS 263 (Aqua Regia) Meas		16.4	11.7		3.8		4.1	2.7	0.5	1.2			0.58	0.281	0.29	0.03		7.75	0.20		192		
OREAS 263 (Aqua Regia) Cert		16.9	12.0		3.52		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175		
OREAS 263 (Aqua Regia) Meas		17.6	11.8		3.8		4.1	2.5	0.4	1.2			0.62	0.285	0.24	0.03		7.57	0.19		197		
OREAS 263 (Aqua Regia) Cert		16.9	12.0		3.52		3.89	2.64	0.430	1.29			0.570	0.285	0.270	0.0290		7.37	0.210		175		
Oreas 623 (Aqua Regia) Meas		15.0	7.69	56.9	4.6								9.64	20.7	51.5	2.02	4.03	17.3	0.59	0.74		18.1	35.6
Oreas 623 (Aqua		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Regia) Cert																							
Oreas 623 (Aqua Regia) Meas		14.7	7.67	53.8	4.7								8.12	19.9	50.1	1.96	3.92	18.6	0.61	0.71		17.8	34.8
Oreas 623 (Aqua Regia) Cert		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4
Oreas 623 (Aqua Regia) Meas		13.3	7.77	61.2	4.5								9.01	20.2	53.7	2.00	4.08	19.5	0.63	0.76		16.9	36.8
Oreas 623 (Aqua Regia) Cert		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4
Oreas 623 (Aqua Regia) Meas		14.2	7.54	53.0	4.9								8.41	19.3	55.5	1.93	3.95	20.1	0.59	0.74		17.8	36.7
Oreas 623 (Aqua Regia) Cert		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4
Oreas 623 (Aqua Regia) Meas		13.8	7.32	48.8	4.4								8.72	18.5	53.4	1.91	3.80	16.4	0.56	0.66		17.1	34.9
Oreas 623 (Aqua Regia) Cert		14.2	7.43	50.0	4.63								8.38	20.4	52.0	1.94	4.07	20.2	0.570	0.750		17.9	36.4
Oreas E1336 (Fire Assay) Meas																							
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A527757 Orig	2.1	52.9	8.26	2.5	1.1	3.4	1.5	1.2	0.2	0.6	< 0.1	0.2	1.16	0.118	1.09	< 0.02	0.53	0.27	< 0.02	1.47	88.1	17.8	5.09
A527757 Dup	2.1	55.3	8.37	2.9	1.3	3.3	1.6	1.2	0.2	0.6	< 0.1	0.2	1.16	0.106	1.01	< 0.02	0.53	0.26	< 0.02	1.47	89.2	17.7	4.88
A527775 Orig	7.8	15.1	2.76	0.6	1.4	2.0	0.9	0.7	0.1	0.3	< 0.1	1.1	0.67	0.236	0.30	< 0.02	0.97	0.19	0.03	1.59	61.0	9.2	18.0
A527775 Dup	7.4	14.7	2.76	0.9	1.6	2.0	0.9	0.6	0.1	0.3	< 0.1	1.1	0.68	0.243	0.28	0.02	0.93	0.20	< 0.02	1.52	58.6	8.9	17.8
A527792 Orig	10.0	43.0	0.96	0.9	0.8	0.9	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.07	0.876	1.67	< 0.02	1.42	0.44	0.04	1.79	291	4.1	8.45
A527792 Dup	9.5	41.5	0.91	0.5	0.8	0.8	0.4	0.2	< 0.1	0.1	< 0.1	0.3	1.07	0.844	1.67	< 0.02	1.33	0.39	< 0.02	1.67	276	3.7	7.73
A527924 Orig	4.7	27.3	2.13	2.0	1.3	1.2	0.6	0.5	< 0.1	0.2	< 0.1	0.4	0.76	0.133	0.86	0.04	1.29	0.59	< 0.02	0.50	110	5.1	9.43
A527924 Dup	4.8	29.0	2.31	2.0	1.4	1.2	0.6	0.5	< 0.1	0.2	< 0.1	0.4	0.78	0.138	0.91	0.03	1.32	0.60	0.03	0.53	116	5.3	9.62
A527937 Orig	9.4	42.6	0.72	0.9	0.5	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.06	0.766	0.89	< 0.02	1.36	0.37	0.03	0.78	178	3.0	5.73
A527937 Dup	9.7	43.1	0.73	1.0	0.7	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.3	1.28	0.793	0.99	0.03	1.45	0.43	< 0.02	0.80	182	3.1	5.81
A527948 Orig	8.5	37.1	13.9	0.3	1.1	12.7	5.6	2.9	0.5	1.2	0.2	1.0	1.01	0.186	0.55	< 0.02	0.45	0.15	< 0.02	2.00	128	50.9	108
A527948 Dup	8.6	37.5	13.9	0.4	1.4	12.8	5.5	3.0	0.5	1.4	0.2	1.0	1.54	0.205	0.54	< 0.02	0.47	0.14	0.04	1.94	128	50.8	108

Analyte Symbol	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
A527961 Orig	4.0	10.5	0.62	0.8	0.5	0.3	0.2	0.1	< 0.1	< 0.1	< 0.1	0.1	0.61	0.099	0.61	< 0.02	1.09	0.44	0.04	0.45	68.8	1.7	3.29
A527961 Dup	4.0	9.6	0.59	0.8	0.5	0.3	0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	0.60	0.100	0.64	< 0.02	1.06	0.44	0.05	0.43	63.9	1.6	3.02
A527977 Orig	18.3	52.1	9.23	0.2	0.5	7.3	3.4	1.8	0.3	0.8	< 0.1	0.5	1.61	0.550	2.09	0.04	1.87	0.71	0.06	2.69	261	32.2	58.9
A527977 Dup	17.8	54.0	9.16	0.3	0.3	7.4	3.3	1.9	0.3	0.8	< 0.1	0.5	1.56	0.542	2.07	0.03	1.83	0.71	0.06	2.68	262	32.1	59.1
A527990 Orig	6.2	18.4	1.87	0.3	0.5	1.3	0.6	0.4	< 0.1	0.2	< 0.1	0.3	0.82	0.259	0.43	0.02	1.42	0.46	0.05	0.93	89.3	5.9	11.9
A527990 Dup	6.3	18.9	1.88	0.2	0.3	1.4	0.7	0.4	< 0.1	0.2	< 0.1	0.3	0.88	0.263	0.41	< 0.02	1.46	0.45	0.03	0.93	92.3	6.1	12.5
A1104002 Orig	8.9	14.9	0.87	1.3	0.6	0.8	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.09	0.156	0.46	< 0.02	1.43	0.51	0.04	0.72	74.8	3.9	7.72
A1104002 Dup	9.4	15.8	0.93	1.5	0.6	0.8	0.4	0.2	< 0.1	< 0.1	< 0.1	0.3	1.57	0.165	0.53	0.02	1.50	0.52	0.03	0.74	80.4	4.0	7.64
A1104019 Orig	7.6	24.7	0.80	1.3	0.6	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	0.69	0.634	0.77	< 0.02	1.07	0.52	0.04	0.70	186	3.0	5.58
A1104019 Dup	7.0	21.6	0.75	1.1	0.5	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	0.67	0.715	0.69	< 0.02	1.01	0.47	0.02	0.62	172	2.8	5.42
A1104041 Orig	5.7	11.8	1.15	0.2	0.6	1.2	0.5	0.3	< 0.1	0.1	< 0.1	0.6	0.75	0.217	0.32	< 0.02	0.74	0.19	0.02	0.68	90.0	5.5	11.8
A1104041 Dup	6.3	13.0	1.29	0.2	0.8	1.4	0.6	0.3	< 0.1	0.1	< 0.1	0.7	0.85	0.221	0.41	< 0.02	0.83	0.21	0.04	0.79	100	6.2	13.3
A1104049 Orig	4.9	18.0	0.91	1.3	0.8	0.6	0.3	0.2	< 0.1	< 0.1	< 0.1	0.2	1.00	0.439	0.59	0.02	1.44	0.60	< 0.02	0.76	138	2.9	5.67
A1104049 Dup	4.9	17.2	0.93	1.6	0.5	0.7	0.4	0.2	< 0.1	< 0.1	< 0.1	0.2	0.97	0.453	0.59	< 0.02	1.44	0.51	0.03	0.75	138	3.1	6.05
A1104063 Orig	9.4	14.2	3.51	0.2	0.3	3.0	1.4	0.8	0.1	0.4	< 0.1	0.6	4.08	0.728	0.32	0.02	1.22	0.40	0.05	2.26	80.2	13.7	27.8
A1104063 Dup	9.6	15.4	3.66	0.3	0.3	2.9	1.3	0.9	0.2	0.4	< 0.1	0.6	4.15	0.749	0.37	0.02	1.23	0.39	0.04	2.33	81.6	14.2	28.7
A1104081 Orig	5.5	16.4	3.27	0.6	1.1	2.0	1.1	0.7	0.1	0.4	< 0.1	0.6	0.56	0.272	0.34	< 0.02	0.39	0.12	0.03	1.07	49.2	8.0	16.9
A1104081 Dup	5.4	16.3	3.29	0.7	1.0	1.9	1.0	0.7	0.1	0.3	< 0.1	0.6	1.90	0.257	0.33	< 0.02	0.41	0.12	0.03	1.03	49.8	7.9	16.5
A1104105 Orig	5.5	13.8	1.70	1.4	1.0	1.3	0.6	0.4	< 0.1	0.2	< 0.1	0.3	0.96	0.204	0.61	0.03	1.26	0.46	0.03	1.06	98.5	5.8	11.5
A1104105 Dup	5.6	14.7	1.73	1.5	0.8	1.3	0.6	0.3	< 0.1	0.2	< 0.1	0.4	1.03	0.214	0.84	0.03	1.27	0.46	0.05	1.06	101	5.9	11.8
A1104120 Orig	1.8	44.5	13.7	1.8	1.6	10.0	4.9	2.6	0.5	1.2	0.2	0.2	0.55	0.120	0.53	< 0.02	0.25	0.17	0.03	0.67	80.4	37.4	21.2
A1104120 Dup	1.8	42.5	13.5	2.2	1.6	9.4	4.4	2.3	0.4	1.3	0.1	0.2	0.55	0.118	0.51	< 0.02	0.25	0.16	0.04	0.64	69.7	35.7	20.6
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	8.4	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.07	< 0.002	0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	9.3	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	0.02	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	7.9	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.08	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	6.9	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.04	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	6.9	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.05	< 0.002	0.02	< 0.02	< 0.05	< 0.02	0.02	< 0.02	7.2	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.04	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	7.3	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	< 0.01	< 0.02	< 0.05	0.03	< 0.02	< 0.02	6.9	< 0.5	< 0.01
Method Blank	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.03	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	1.2	< 0.5	< 0.01
Method Blank																							
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Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
OREAS 45d (Aqua Regia) Meas											17.4		17.8	0.23	10.4	1.4		
OREAS 45d (Aqua Regia) Cert											21		17.00	0.30	11.3	1.64		
OREAS 45d (Aqua Regia) Meas											23.4		17.4	0.28	10.6	1.5		
OREAS 45d (Aqua Regia) Cert											21		17.00	0.30	11.3	1.64		
OREAS 45d (Aqua Regia) Meas											17.7		16.7	0.26	10.4	1.5		
OREAS 45d (Aqua Regia) Cert											21		17.00	0.30	11.3	1.64		
OREAS 922 (AQUA REGIA) Meas	30.5	5.9		0.7			0.3		1.4			0.18	66.4	10.6	16.1	2.1		
OREAS 922 (AQUA REGIA) Cert	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98		
OREAS 922 (AQUA REGIA) Meas	29.0	5.1		0.7			0.5		1.5			0.18	60.4	9.20	15.3	2.3		
OREAS 922 (AQUA REGIA) Cert	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98		
OREAS 922 (AQUA REGIA) Meas	31.3	5.4		0.7			0.5		1.3			0.20	62.3	10.7	16.2	2.4		
OREAS 922 (AQUA REGIA) Cert	27.5	4.98		0.62			0.61		1.12			0.14	60	10.3	14.5	1.98		
OREAS 923 (AQUA REGIA) Meas	28.3	5.4		0.6			0.3		1.8			0.17	86.5	20.7	15.4	2.1		
OREAS 923 (AQUA REGIA) Cert	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80		
OREAS 923 (AQUA REGIA) Meas	25.9	5.4		0.6			0.5		1.9			0.16	79.6	19.8	14.8	2.1		
OREAS 923 (AQUA REGIA) Cert	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80		
OREAS 520 (Aqua Regia) Meas				0.4	1.3	0.2	0.8		27.7		155	0.08	5.2	2.87	7.1	14.1		
OREAS 520 (Aqua Regia) Cert				0.500	1.36	0.200	0.810		29.6		169	0.0900	5.22	2.90	8.03	14.9		
OREAS 520 (Aqua Regia) Meas				0.5	1.3	0.2	0.9		28.0		171	0.09	5.4	3.03	7.5	14.9		
OREAS 520 (Aqua Regia) Cert				0.500	1.36	0.200	0.810		29.6		169	0.0900	5.22	2.90	8.03	14.9		
OREAS 907 (Aqua Regia) Meas	30.1	5.2	1.1	0.4	0.3	< 0.1	1.2		0.7		107	0.15	36.9	23.7	8.8	2.5		
OREAS 907 (Aqua Regia) Cert	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15		
OREAS 907	30.5	5.3	1.0	0.4	0.3	< 0.1	1.0		0.8		82.9	0.15	35.9	23.6	8.8	2.5		

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
(Aqua Regia) Meas																		
OREAS 907 (Aqua Regia) Cert	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15		
OREAS 907 (Aqua Regia) Meas	28.6	4.2	0.9	0.4	0.3	< 0.1	0.8		1.1		83.8	0.14	33.8	21.9	8.2	2.3		
OREAS 907 (Aqua Regia) Cert	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15		
OREAS 907 (Aqua Regia) Meas	29.5	5.0	1.1	0.4	0.3	< 0.1	0.7		0.9		101	0.15	35.4	23.3	8.8	2.4		
OREAS 907 (Aqua Regia) Cert	27.8	4.79	0.950	0.430	0.290	0.0390	1.09		0.980		101	0.120	34.1	22.3	8.04	2.15		
OREAS 218 Meas																		535
OREAS 218 Cert																		531
OREAS 218 Meas																		520
OREAS 218 Cert																		531
OREAS 218 Meas																		531
OREAS 218 Cert																		531
OREAS 218 Meas																		547
OREAS 218 Cert																		531
OREAS 218 Meas																		560
OREAS 218 Cert																		531
OREAS 218 Meas																		539
OREAS 218 Cert																		531
OREAS 218 Meas																		539
OREAS 218 Cert																		531
Oreas 621 (Aqua Regia) Meas				0.3	0.6	< 0.1	1.2		0.6		1180	0.79	> 5000	4.04	5.3	1.5	3160	
Oreas 621 (Aqua Regia) Cert				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930	
Oreas 621 (Aqua Regia) Meas				0.3	0.6	< 0.1	1.5		0.8		1160	0.80	> 5000	3.86	5.4	1.7	3580	
Oreas 621 (Aqua Regia) Cert				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930	
Oreas 621 (Aqua Regia) Meas				0.3	0.6	< 0.1	1.6		1.0		1220	0.82	> 5000	3.87	5.4	1.7	3600	
Oreas 621 (Aqua Regia) Cert				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930	
Oreas 621 (Aqua Regia) Meas																		
Oreas 621 (Aqua Regia) Cert																		
OREAS 263 (Aqua Regia) Meas		5.2	0.9	0.5	1.0							0.59	35.5	0.56	11.4	1.4	200	
OREAS 263 (Aqua Regia) Cert		4.41	0.850	0.500	0.990							0.530	34.0	0.570	10.6	1.28	170	
OREAS 263 (Aqua Regia) Meas		4.8	0.8	0.5	0.9							0.62	36.3	0.58	11.6	1.4	200	
OREAS 263 (Aqua Regia) Cert		4.41	0.850	0.500	0.990							0.530	34.0	0.570	10.6	1.28	170	
Oreas 623 (Aqua Regia) Meas				0.3	0.8	0.1	1.5		2.2		798	0.28	2580	17.1	4.6	1.5	790	
Oreas 623 (Aqua				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830	

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
Regia) Cert																		
Oreas 623 (Aqua Regia) Meas				0.3	0.8	0.1	1.3		2.2		884	0.27	2600	17.4	4.6	1.5	750	
Oreas 623 (Aqua Regia) Cert				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830	
Oreas 623 (Aqua Regia) Meas				0.3	0.8	0.1	1.7		2.6		861	0.28	2560	17.3	4.7	1.4	620	
Oreas 623 (Aqua Regia) Cert				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830	
Oreas 623 (Aqua Regia) Meas				0.3	0.8	0.1	1.3		2.3		795	0.28	2570	17.7	4.6	1.5	740	
Oreas 623 (Aqua Regia) Cert				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830	
Oreas 623 (Aqua Regia) Meas				0.3	0.8	0.1	1.2		2.4		786	0.26	2530	17.7	4.5	1.4	730	
Oreas 623 (Aqua Regia) Cert				0.340	0.800	0.120	1.32		2.62		797	0.260	2520	16.9	4.72	1.43	830	
Oreas E1336 (Fire Assay) Meas																		529
Oreas E1336 (Fire Assay) Cert																		510
Oreas E1336 (Fire Assay) Meas																		512
Oreas E1336 (Fire Assay) Cert																		510
Oreas E1336 (Fire Assay) Meas																		517
Oreas E1336 (Fire Assay) Cert																		510
Oreas E1336 (Fire Assay) Meas																		522
Oreas E1336 (Fire Assay) Cert																		510
Oreas E1336 (Fire Assay) Meas																		529
Oreas E1336 (Fire Assay) Cert																		510
Oreas E1336 (Fire Assay) Meas																		495
Oreas E1336 (Fire Assay) Cert																		510
Oreas E1336 (Fire Assay) Meas																		501
Oreas E1336 (Fire Assay) Cert																		510
A527757 Orig	12.6	1.6	0.4	0.2	0.6	< 0.1	< 0.1	< 0.05	0.1	0.007	5.0	0.45	37.9	0.15	0.3	1.0	270	
A527757 Dup	12.0	2.3	0.4	0.2	0.6	< 0.1	< 0.1	< 0.05	0.1	0.007	4.6	0.44	38.3	0.15	0.3	1.0	270	
A527775 Orig	6.78	1.1	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.0	0.16	23.6	0.21	0.1	0.5	170	
A527775 Dup	6.87	1.3	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.3	0.16	22.9	0.21	0.2	0.4	170	
A527792 Orig	2.89	0.6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.9	0.30	60.6	0.25	0.3	0.2	250	
A527792 Dup	2.85	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	2.2	0.27	56.5	0.24	0.2	0.2	220	
A527924 Orig	3.95	1.0	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	0.001	5.9	0.18	55.5	0.35	0.6	0.4	320	
A527924 Dup	4.45	0.8	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	4.1	0.17	58.2	0.36	0.5	0.4	310	
A527937 Orig	2.14	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.7	0.22	43.2	0.16	0.3	0.2	300	
A527937 Dup	2.28	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	20.5	0.22	44.0	0.16	0.3	0.2	310	
A527948 Orig	48.7	7.3	1.4	0.6	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.8	0.19	10.0	0.09	0.2	1.2	120	
A527948 Dup	48.5	7.5	1.4	0.6	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.18	10.2	0.09	0.3	1.2	120	

Analyte Symbol	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb	ppb
Lower Limit	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10	5
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
A527961 Orig	1.33	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.04	42.4	0.20	0.3	0.2	230	
A527961 Dup	1.27	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.03	41.5	0.20	0.3	0.2	230	
A527977 Orig	27.7	3.9	0.8	0.4	0.6	< 0.1	< 0.1	< 0.05	0.2	< 0.001	1.9	0.39	90.7	0.42	< 0.1	0.6	280	
A527977 Dup	27.7	4.4	0.8	0.4	0.6	< 0.1	< 0.1	< 0.05	0.2	< 0.001	3.2	0.39	88.5	0.42	0.1	0.6	280	
A527990 Orig	4.83	0.7	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.7	0.18	32.6	0.18	< 0.1	0.3	210	
A527990 Dup	5.22	0.9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.8	0.18	33.6	0.19	< 0.1	0.3	250	
A1104002 Orig	3.45	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.0	0.09	49.5	0.26	0.7	0.2	200	
A1104002 Dup	3.12	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.1	0.10	52.0	0.28	0.6	0.2	200	
A1104019 Orig	2.24	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.16	35.5	0.21	0.4	0.2	320	
A1104019 Dup	2.24	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.15	32.4	0.20	0.4	0.2	320	
A1104041 Orig	4.17	0.6	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.15	24.6	0.14	0.2	0.2	90	
A1104041 Dup	4.84	0.9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.5	0.17	27.4	0.16	0.3	0.3	110	
A1104049 Orig	2.45	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.0	0.12	55.3	0.25	0.6	0.2	310	
A1104049 Dup	2.45	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	4.1	0.13	57.9	0.26	0.6	0.2	300	
A1104063 Orig	10.8	1.8	0.3	0.2	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.8	0.15	36.3	0.24	< 0.1	0.7	210	
A1104063 Dup	11.0	1.8	0.3	0.2	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	5.0	0.17	35.5	0.23	< 0.1	0.7	210	
A1104081 Orig	7.48	1.4	0.3	0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.06	11.6	0.08	0.2	0.3	80	
A1104081 Dup	7.46	1.4	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	2.1	< 0.001	< 0.5	0.06	11.0	0.08	0.2	0.3	120	
A1104105 Orig	4.61	0.7	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	59.7	0.30	0.6	0.3	210	
A1104105 Dup	4.67	0.8	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.08	61.1	0.29	0.7	0.3	210	
A1104120 Orig	40.3	6.1	1.2	0.5	1.1	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.14	10.0	0.07	0.5	0.8	180	
A1104120 Dup	38.6	5.7	1.1	0.5	1.0	0.2	< 0.1	< 0.05	< 0.1	0.002	< 0.5	0.13	9.7	0.07	0.5	0.8	190	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	1.1	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	50	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.6	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.4	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	80	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	60	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	50	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.4	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	30	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.3	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70	
Method Blank	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.0	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	70	
Method Blank																		< 5
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APPENDIX V

Actlabs Analytical Descriptions

Sample Preparation Packages

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 now 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 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	$11.75
Code RX1-ORE	Crush up to 90% passing 2 mm	add $2.10
Code RX1+500	500 grams pulverized	add $1.25
Code RX1+800	800 grams pulverized	add $2.25
Code RX1+1000	1000 grams pulverized	add $2.75
Code RX1-SD	Crush (< 7 kg) up to 80% passing 2 mm, rotary split (250 g) and pulverized (mild steel) to 95% passing 105µm	$10.75
Code RX1-SD-ORE	Crush up to 90% passing 2 mm	add $2.10
Code RX3	Oversize charge per kilogram for crushing	$1.25
Code RX4	Pulverization only (mild steel) (coarse pulp or crushed rock) (< 800 g)	$7.50
Code RX5	Pulverize ceramic (100 g)	$18.75
Code RX6	Hand pulverize small samples (agate mortar & pestle) (<5g)	$18.75
Code RX7	Crush and split (< 5 kg)	$5.50
Code RX8	Sample prep only surcharge, no analyses	$4.75
Code RX9	Compositing (per composite) dry weight	$2.75
Code RX10	Weight (kg) as received	$2.25
Code RX11	Checking quality of pulps or rejects prepared by other labs and issuing report	$10.00
Code RX12	Ball Mill preparation	on request
Code RX13	Rod Mill preparation	on request
Code RX14	Core cutting	on request
Code RX15	Special Preparation/Hour	$68.25
Code RX16	Specific Gravity on Core	$14.00
Code RX16-W	Specific Gravity (WAX) on friable samples	$18.00
Code RX17	Specific Gravity on the pulp	$17.00
Code RX17-GP	Specific Gravity on the pulp by gas pycnometer	$18.00

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).


Riffle Splitting

Soils, Stream and Lake Bottom Sediments, and Heavy Minerals

Code S1	Drying (60ºC) and sieving (-177 µm) save all portions	$4.25
Code S1 DIS	Drying (60ºC) and sieving (-177 µm), discard oversize	$3.75
Code S1-230	Drying (60ºC) and sieving (-63 µm), save oversize	$5.75
Code S1-230 DIS	Drying (60ºC) and sieving (-63 µm), discard oversize	$5.25
Code S2	Lake bottom sediment preparation crush & sieve (-177 µm)	$9.00
Code S3	Alternate size fractions and bracket sieving, add	$2.75
Code S4	Selective Extractions or SGH drying (40ºC) & sieving (-177 µm)	$4.25
Code S5	Wet or damp samples submitted in plastic bags, add	$2.10
Code S6	Separating -2 micron material	$28.25
Code S7mi	Methylene iodide heavy mineral separation specific gravity can be customized (100 grams)	$73.75
Code S7w	Sodium polytungstate heavy mineral separation specific gravity can be customized (100 grams)	$73.75
Code S8	Sieve analysis (4 sieve sizes) coarser than 53 µm	$40.00
Code S9	Particle size analysis (laser)	$102.00


Sample Pulverizers

Gold and Silver Analyses

Gold and Silver Analyses - Geochem

Code	Method	Sample Weight (g)	Metric Range	Price
1A1	Au Fire Assay - INAA	30	1 - 20,000 ppb	$20.50
1A2	Au Fire Assay - AA	30	5 - 5,000 ppb	$17.00
1A2B-30	Au Fire Assay - AA	30	5 - 10,000 ppb	$17.50
1A2-50	Au Fire Assay - AA	50	5 - 5,000 ppb	$19.50
1A2B-50	Au Fire Assay - AA	50	5 - 10,000 ppb	$20.00
1A2-ICP	Au Fire Assay - ICP-OES	30	2 - 30,000 ppb	$18.00
1A2-ICP-50	Au Fire Assay - ICP-OES	50	2 - 30,000 ppb	$20.25
1A2-ICPMS	Au Fire Assay - ICP-MS	30	0.5 - 30,000 ppb	$26.25
1A6	Au BLEG - ICP-MS	1,000	0.1 - 10,000 ppb	$40.00
1A6-50	Au Cyanide Extraction - ICP-MS Ag or Cu add-on, for each additional, add	50	0.02 - 1,000 ppb	$15.00 $5.00
1A8	Au Aqua Regia - ICP-MS	30	0.2 - 2,000 ppb	$18.00
1E-Ag	Ag Aqua Regia - ICP-OES	0.5	0.2 - 100 ppm	$6.75

Gold and Silver Analyses - Assay

Code	Method	Sample Weight (g)	Metric Range	Price
1A3-30	Au Fire Assay - Gravimetric	30	0.03 - 10,000 g/T	$22.75
1A3-50	Au Fire Assay - Gravimetric	50	0.02 - 10,000 g/T	$24.00
1A3-Ag (Au,Ag)	Au, Ag Fire Assay - Gravimetric	30	0.03 - 10,000 g/T (Au) 3 - 10,000 g/T (Ag)	$26.25
1A4 *	Au Fire Assay - Metallic Screen	500	0.03 g/T	$79.50
1A4-1000 *	Au Fire Assay - Metallic Screen	1,000	0.03 g/T	$90.75
8-Ag	Ag Fire Assay - Gravimetric	30	3 - 10,000 g/T	$25.50

When submitting samples for Au and Ag analysis, or Au, Pt Pd and Rh analysis, please try to ensure you send two-times the listed weight.

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		$22.75
1C-EXP 2	Fire Assay - ICP-MS	30	1 - 30,000	0.5 - 30,000	0.5 - 30,000		$25.00
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	$34.25
1C-OES	Fire Assay - ICP-OES	30	2 - 30,000	5 - 30,000	5 - 30,000		$20.75
8 Au Pt Pd	Fire Assay - ICP-OES	30	0.001 - 1000 g/T	0.001 - 1000 g/T	0.001 - 1000 g/T		$51.25

Platinum Group Elements

Code	Method	Sample Weight (g)	Range (ppb)							Price
			Os	Ir	Ru	Rh	Pt	Pd	Au	
1B1	NiS Fire Assay - INAA	25	2	0.1	5	0.2	5 †	2	0.5	1-2 samples $363.25 3+ samples $181.75
1B2	NiS Fire Assay - ICP-MS	50	-	1	1	1	1	1	1	1-2 samples $363.25 3+ samples $181.75

Organic Sample Surcharge - $1.25/sample for Fire Assay packages

Notes:

Use of 50 gram sample for fire assay may not provide optimum recovery.

For proper fire assay fusion, Actlabs may reduce the sample weights to 15 g or smaller at its discretion.

* 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 overpulverize 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.

† 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.

4-Acid "Near Total" Digestion

This acid attack is the most vigorous digestion used in geochemistry. It will employ 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.

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.**

Hg add-on by cold vapour FIMS	
Code 1G (5 ppb)	add $10.25

Assays

Package	Code 8 - 4 Acid ICP-OES	Code 8 - 4 Acid ICP-MS
Ag	3 ppm	1 - 10,000 ppm
Bi	-	0.0001 - 1 %
Cd	0.003 %	0.0001 - 1 %
Co	0.003 %	0.0001 - 1 %
Cu	0.001 %	0.0001 - 1 %
Li	0.001 %	-
Mo	0.003 %	0.0001 - 1 %
Ni	0.003 %	0.0001 - 1 %
Pb	0.003 %	0.0001 - 1 %
Se	-	0.0001 - 1 %
Sn	-	0.0001 - 1 %
Tl	-	0.0001 - 1 %
U	-	0.0001 - 1 %
Zn	0.001 %	0.0001 - 1 %
One Element	**$14.75**	**$17.00**
Each Additional Element	**$2.25**	**$2.25**
All Elements	**$20.50**	**$22.75**

	ICP-OES	ICP-MS		ICP-OES + ICP-MS	
Package	**1F2**	**UT-4M**	**Ultratrace 4**	**Ultratrace 6**	**UT-6M**
Ag	0.3 - 100 ppm	0.1 - 100 ppm	0.05 - 100 ppm	0.05 - 100 ppm	0.01 - 100 ppm
Al	0.01 - 50 %	0.01 - 20 %	0.01 - 10 %	0.01 - 10 %	0.01 - 50 %
As	3 - 5,000 ppm	1 - 10,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.2 - 10,000 ppm
B	-	-	20 - 6,000 ppm	-	-
Ba	7 - 1,000 ppm	1 - 10,000 ppm	1 - 5,000 ppm	1 - 5,000 ppm	10 - 10,000 ppm
Be	1 - 10,000 ppm	1 - 1,000 ppm	0.1 - 1,000 ppm	0.1 - 1,000 ppm	0.05 - 1,000 ppm
Bi	2 - 10,000 ppm	0.1 - 4,000 ppm	0.02 - 2,000 ppm	0.02 - 2,000 ppm	0.01 - 10,000 ppm
Ca	0.01 - 70 %	0.01 - 40 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Cd	0.3 - 2,000 ppm	0.1 - 4,000 ppm	0.1 - 1,000 ppm	0.1 - 1,000 ppm	0.02 - 1,000 ppm
Ce	-	1 - 2,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.01 - 500 ppm
Co	1 - 10,000 ppm	0.2 - 4,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.1 - 10,000 ppm
Cr	1 - 10,000 ppm	1 - 10,000 ppm	1 - 5,000 ppm	1 - 5,000 ppm	1 - 10,000 ppm
Cs	-	0.1 - 10,000 ppm	0.05 - 100 ppm	0.05 - 100 ppm	0.05 - 500 ppm
Cu	1 - 10,000 ppm	0.1 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 10,000 ppm
Dy	-	-	0.1 - 5000 ppm	0.1 - 5,000 ppm	-
Er	-	-	0.1 - 1,000 ppm	0.1 - 1,000 ppm	-
Eu	-	-	0.05 - 100 ppm	0.05 - 100 ppm	-
Fe	0.01 - 50 %	0.01 - 60 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Ga	1 - 10,000 ppm	-	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 10,000 ppm
Gd	-	-	0.1 - 5,000 ppm	0.1 - 5,000 ppm	-
Ge	-	-	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 500 ppm
Hf	-	0.1 - 1,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.1 - 500 ppm
Hg	1	-	10 - 10,000 ppb	10 - 10,000 ppb	-
Ho	-	-	0.1 - 1,000 ppm	0.1 - 1,000 ppm	-
In	-	-	0.1 - 100 ppm	0.1 - 100 ppm	0.005 - 500 ppm
K	0.01 - 10 %	0.01 - 10 %	0.01 - 5 %	0.01 - 5 %	0.01 - 10 %
La	-	0.1 - 2,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.5 - 10,000 ppm
Li	1 - 10,000 ppm	0.1 - 2,000 ppm	0.5 - 400 ppm	0.5 - 400 ppm	0.2 - 10,000 ppm
Lu	-	-	0.1 - 100 ppm	0.1 - 100 ppm	-
Mg	0.01 - 50 %	0.01 - 30 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Mn	1 - 100,000 ppm	1 - 10,000 ppm	1 - 10,000 ppm	1 - 10,000 ppm	5 - 100,000 ppm
Mo	1 - 10,000 ppm	0.1 - 4,000 ppm	0.05 - 10,000 ppm	0.1 - 10,000 ppm	0.05 - 10,000 ppm
Na	0.01 - 10 %	0.001 - 10 %	0.01 - 3 %	0.01 - 3 %	0.01 - 10 %
Nb	-	0.1 - 2,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.1 - 500 ppm
Nd	-	-	0.1 - 10,000 ppm	0.1 - 10,000 ppm	-
Ni	1 - 10,000 ppm	0.1 - 10,000 ppm	0.5 - 5,000 ppm	0.5 - 5,000 ppm	0.2 - 10,000 ppm
P	0.001 - 10 %	0.001 - 5 %	-	0.001 - 10 %	10 - 10,000 ppm
Pb	3 - 5,000 ppm	0.1 - 5,000 ppm	0.5 - 5,000 ppm	0.5 - 5,000 ppm	0.5 - 10,000 ppm
Pr	-	-	0.1 - 5,000 ppm	0.1 - 1,000 ppm	-
Rb	-	0.1 - 2,000 ppm	0.2 - 500 ppm	0.2 - 5,000 ppm	0.1 - 10,000 pm
Re	-	-	0.001 - 100 ppm	0.001 - 100 ppm	0.002 - 50 ppm
S +	0.01 - 20 %	1 - 10 %	-	0.01 - 20 %	0.01 - 10 %
Sb	5 - 10,000 ppm	0.1 - 4,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 10,000 ppm
Sc	4 - 10,000 ppm	1 - 200 ppm	-	1 - 5,000 ppm	0.1 - 10,000 ppm
Se	-	-	0.1 - 1,000 ppm	0.1 - 1,000 ppm	1 - 1,000 ppm
Sm	-	-	0.1 - 100 ppm	0.1 - 100 ppm	-
Sn	-	0.1 - 2,000 ppm	1 - 200 ppm	1- 200 ppm	0.2 - 500 ppm
Sr	1 - 10,000 ppm	1 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 1,000 ppm	0.2 - 10,000 ppm
Ta	-	0.1 - 2,000 ppm	0.1 - 1,000 ppm	0.1 - 1,000 ppm	0.05 - 100 ppm
Tb	-	-	0.1 - 100 ppm	0.1 - 100 ppm	-
Te	2 -10,000 ppm	-	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 500 ppm
Th	-	0.1 - 4,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.2 - 10,000 pm
Ti	0.01 - 10 %	0.001 - 10 %	-	0.0005 - 10 %	0.005 - 10 %
Tl	5 - 10,000 ppm	0.05 - 10,000 ppm	0.05 - 500 ppm	0.05 - 500 ppm	0.02 - 10,000 ppm
Tm	-	-	0.1 -1,000 ppm	0.1 - 1,000 ppm	-
U	10 - 10,000 ppm	0.1 - 4,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm
V	2 - 10,000 ppm	4 - 10,000 ppm	1 - 10,000 ppm	1 - 1,000 ppm	1 - 10,000 ppm
W	5 - 10,000 ppm	0.1 - 200 ppm	0.1 - 200 ppm	0.1 - 200 ppm	0.1 - 10,000 ppm
Y	1 - 1,000 ppm	0.1 - 2,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.1 - 500 ppm
Yb	-	-	0.1 - 5,000 ppm	0.1 - 5,000 ppm	-
Zn	1 - 10,000 ppm	1 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 10,000 ppm	2 - 10,000 ppm
Zr	5 - 10,000 ppm	0.1 - 2,000 ppm	1 - 5,000 ppm	1 - 5,000 ppm	0.5 - 500 ppm
Price:	**$17.00**	**$21.25**	**$24.00**	**$35.00**	**$28.50**

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

APPENDIX VI

Statement of Expenditures

STATEMENT of EXPENDITURES

The following is a breakdown of expenditures related to the 2020 field program on the North Limb Property.

Labour:

Preparation, field work, travel	
Labour	$ 46,400.00
Prepare maps etc.	
Drafting & digitizing	$ 1,924.00
Report Writing	
Report Writing	$ 5,900.00

Associated Costs:

Meals & Groceries	$ 2,199.85
Field Supplies	$ 856.84
Ground Transportation (12,006km @$0.50/km)	$ 6,003.00
Gas for ATV's	$ 83.22
Accommodations	$ 2,451.44
ATV Rental	$ 3,825.00
Boat Rental	$ 350.00

Analytical Costs:

Actlabs (218 grab samples)	$ 9,426.00
Actlabs (264 humus-soil samples)	$ 9,768.00
TOTAL EXPENDITURES	**$ 89,187.35**

Cell No.	Rock Samples Collected per Cell	A Horizon Samples Collected per Cell	Expenditure per Cell
103613		1	$ 182.21
107203	9	25	$ 6,251.21
108980	1	6	$ 1,281.70
113132		11	$ 2,004.31
113134	5		$ 942.20
129958	1		$ 188.44
131667		24	$ 4,373.04
136541	31	26	$ 10,583.09
142512	19	30	$ 9,046.66
146856	4		$ 753.76
156086	16	6	$ 4,108.30
169780	1		$ 188.44
171258	17	9	$ 4,843.37
176092	11		$ 2,072.84
176093	3		$ 565.32
182774	5		$ 942.20
183800	1		$ 188.44
189269	2		$ 376.88
202213		9	$ 1,639.89
220776	5	12	$ 3,128.72
222674	3	18	$ 3,845.10
226564	6		$ 1,130.64
231203	1		$ 188.44
231207	6	23	$ 5,321.47
234492	4	10	$ 2,575.86
241913	3		$ 565.32
250174	7		$ 1,319.08
250175	9		$ 1,695.96
250182	5		$ 942.20
253302	5	33	$ 6,955.13
258443	4		$ 753.76
267982		3	$ 546.63
268735	1		$ 188.44
277949	1		$ 188.44
280056	6		$ 1,130.64
295381	3		$ 565.32
310053	15		$ 2,826.60
325042	7		$ 1,319.08
338511		18	$ 3,279.78
554483	1		$ 188.44
Total	**218**	**264**	**$ 89,187.35**

APPENDIX VII

List of Mining Cells-Claims

(Table 3)

TENURE_NUM	TITLE_TY_1	ISSUE_DATE	ANNIVERSARY	HOLDER
103598	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
103599	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
103613	Boundary Cell Mining Claim	2018-04-10 0:00	2021-11-23 0:00	(100) Hemlo Explorers Inc.
104647	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
105088	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
105089	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
105363	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
105364	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
107192	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
107202	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
107203	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
107204	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
107205	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
108980	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
109045	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
109105	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
109106	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
109252	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
110492	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
111946	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
112195	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
112196	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
112219	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
112220	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
112813	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
113130	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
113132	Boundary Cell Mining Claim	2018-04-10 0:00	2021-05-05 0:00	(100) Hemlo Explorers Inc.
113133	Boundary Cell Mining Claim	2018-04-10 0:00	2021-05-05 0:00	(100) Hemlo Explorers Inc.
113134	Boundary Cell Mining Claim	2018-04-10 0:00	2021-05-05 0:00	(100) Hemlo Explorers Inc.
113690	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
114715	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
118607	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
118875	Boundary Cell Mining Claim	2018-04-10 0:00	2021-11-23 0:00	(100) Hemlo Explorers Inc.
119502	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
119503	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
119564	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
119565	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
119566	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
120179	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
122613	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
122614	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
122615	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
122616	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
122913	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
122914	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
123978	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
125275	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
125276	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
127866	Single Cell Mining Claim	2018-04-10 0:00	2021-08-25 0:00	(100) Hemlo Explorers Inc.
128375	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
128457	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
129836	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
129958	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
130060	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
130846	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
131045	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.

131046	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
131238	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
131608	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
131609	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
131610	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
131667	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
132036	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
132056	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
132257	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
132748	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
133654	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
134535	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
135037	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-05 0:00	(100) Hemlo Explorers Inc.
135890	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
135971	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
135972	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
136290	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
136339	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
136340	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
136341	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
136541	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
136728	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
136729	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
139078	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
139079	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
139825	Single Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
140345	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
140346	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
141962	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
141963	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
142512	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
143572	Boundary Cell Mining Claim	2018-04-10 0:00	2021-11-23 0:00	(100) Hemlo Explorers Inc.
145796	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
145840	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
145841	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
146856	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
147729	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
147910	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
147911	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
147912	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
148201	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
148202	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
148299	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
148300	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
148359	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
148936	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
149563	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
151108	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
151430	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
151431	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
151872	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
153175	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
155430	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
156086	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
156522	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
159160	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
159897	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.

159898	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
159909	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
159910	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
159911	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
159912	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
159936	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
161102	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
161103	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
161453	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
163905	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
163906	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
163912	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
163913	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
164136	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
164363	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
165950	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
165951	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
166673	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
167485	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
168496	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
169772	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
169780	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
171258	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
172613	Single Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
173650	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
173651	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
174392	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
174403	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
174408	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
174929	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
174930	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
174931	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
175762	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
176092	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
176093	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
176094	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
176827	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
176861	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
176862	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
176891	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
177005	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
177264	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
177265	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
177266	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
177452	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
177453	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
177454	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
177455	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
177516	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
177973	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
177974	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
178145	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
180611	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
180962	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
182774	Single Cell Mining Claim	2018-04-10 0:00	2021-10-19 0:00	(100) Hemlo Explorers Inc.
183238	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
183239	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.

183799	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
183800	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
184218	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
184239	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
184252	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
184253	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
184315	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
184316	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
187974	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
187975	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
188922	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
188957	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
188958	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
189257	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
189269	Single Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
191689	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
192986	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
192987	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
192989	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
192991	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
193013	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
193014	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
193015	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
193016	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
193267	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
193929	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
193930	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
193952	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
195477	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
195478	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
196372	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
196373	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
196409	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
196467	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
196763	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
197047	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
197048	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
198456	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
200553	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
200554	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
201135	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
201136	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
202213	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-19 0:00	(100) Hemlo Explorers Inc.
204756	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
204776	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
208478	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
208697	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
211164	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
211968	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
212428	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
212429	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
212446	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
212476	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
212477	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
213039	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
213082	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
213683	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.

213684	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
213685	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
213686	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
213875	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
214003	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
214286	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
215908	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
215909	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
215947	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-05 0:00	(100) Hemlo Explorers Inc.
215948	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
216867	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
217292	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
220746	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
220776	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
222674	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
223137	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
223179	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
225493	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
226553	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
226554	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
226564	Single Cell Mining Claim	2018-04-10 0:00	2021-10-19 0:00	(100) Hemlo Explorers Inc.
231104	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
231203	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
231207	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
232772	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
232773	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
232774	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
232775	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
232776	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
232777	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
232778	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
233498	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
234492	Single Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
235808	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
237372	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
237652	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
237779	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
238696	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-15 0:00	(100) Hemlo Explorers Inc.
240745	Boundary Cell Mining Claim	2018-04-10 0:00	2021-08-25 0:00	(100) Hemlo Explorers Inc.
241832	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
241913	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
242961	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
243316	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
243317	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
243556	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
243561	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
243562	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
244295	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
244311	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
245448	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
245549	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
245550	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
246623	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
246624	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
246625	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
246626	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
248009	Single Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.

248385	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
249149	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
249152	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
249153	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
249184	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
249185	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
249186	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
250174	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
250175	Boundary Cell Mining Claim	2018-04-10 0:00	2021-05-05 0:00	(100) Hemlo Explorers Inc.
250182	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
250183	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
250269	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
250270	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
250657	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
250939	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
251040	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
251564	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
251599	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
251600	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
251691	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
253302	Single Cell Mining Claim	2018-04-10 0:00	2021-12-05 0:00	(100) Hemlo Explorers Inc.
254629	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
254630	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
255209	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
255210	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
255415	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
256296	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
256315	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
258365	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
258443	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
261137	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
261161	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
261387	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
261970	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
261971	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
262328	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
263033	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
263069	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
263694	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
265124	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
267702	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
267928	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
267982	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
268735	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-19 0:00	(100) Hemlo Explorers Inc.
269421	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
270019	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
270756	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
273866	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
273867	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
274576	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
274679	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
276887	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
277051	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
277794	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
277795	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
277830	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
277949	Single Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.

278708	Single Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
278709	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
279129	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
279130	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
279131	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
279479	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
280056	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
280113	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
282430	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
282468	Boundary Cell Mining Claim	2018-04-10 0:00	2021-10-19 0:00	(100) Hemlo Explorers Inc.
287161	Boundary Cell Mining Claim	2018-04-10 0:00	2021-08-25 0:00	(100) Hemlo Explorers Inc.
288431	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
291846	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
291847	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
295381	Boundary Cell Mining Claim	2018-04-10 0:00	2021-04-26 0:00	(100) Hemlo Explorers Inc.
296347	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
297407	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
297757	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
297758	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
297908	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
298699	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
298787	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
298788	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
299261	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
299455	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
299596	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
300243	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
300244	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
300887	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
301681	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
304373	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
304502	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
304503	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
307637	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
307797	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
307798	Single Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
308411	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
308422	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
309852	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
309853	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
310053	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
311677	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
314547	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
315094	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
315113	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
315147	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
315148	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
316849	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
316850	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
317004	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
317077	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
317437	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
317580	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
318877	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
319601	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
320429	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-15 0:00	(100) Hemlo Explorers Inc.
323991	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.

324563	Single Cell Mining Claim	2018-04-10 0:00	2021-08-25 0:00	(100) Hemlo Explorers Inc.
324967	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
324968	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
325042	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
326373	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
326374	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
327806	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
327807	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
327864	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
327865	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
329249	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
329714	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
329972	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
329973	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
329974	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
330722	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
331053	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
331054	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
332837	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
336550	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
336583	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
336584	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
336820	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
336821	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
337403	Boundary Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
337653	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
337654	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-15 0:00	(100) Hemlo Explorers Inc.
338432	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
338458	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
338510	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
338511	Boundary Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
338513	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
338514	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
338643	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
338644	Boundary Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
338774	Single Cell Mining Claim	2018-04-10 0:00	2021-07-20 0:00	(100) Hemlo Explorers Inc.
339026	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
339027	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
339096	Single Cell Mining Claim	2018-04-10 0:00	2021-01-15 0:00	(100) Hemlo Explorers Inc.
339528	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
339529	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
339530	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
339531	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
339532	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
340479	Single Cell Mining Claim	2018-04-10 0:00	2021-03-06 0:00	(100) Hemlo Explorers Inc.
342082	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
342083	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
342084	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
342085	Single Cell Mining Claim	2018-04-10 0:00	2021-06-19 0:00	(100) Hemlo Explorers Inc.
342097	Boundary Cell Mining Claim	2018-04-10 0:00	2021-12-05 0:00	(100) Hemlo Explorers Inc.
343163	Single Cell Mining Claim	2018-04-10 0:00	2021-10-28 0:00	(100) Hemlo Explorers Inc.
343406	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
343407	Single Cell Mining Claim	2018-04-10 0:00	2021-06-13 0:00	(100) Hemlo Explorers Inc.
505738	Single Cell Mining Claim	2018-04-10 0:00	2021-04-10 0:00	(100) Hemlo Explorers Inc.
505741	Single Cell Mining Claim	2018-04-10 0:00	2021-04-10 0:00	(100) Hemlo Explorers Inc.
554482	Single Cell Mining Claim	2019-07-18 0:00	2021-07-18 0:00	(100) Hemlo Explorers Inc.
554483	Single Cell Mining Claim	2019-07-18 0:00	2021-07-18 0:00	(100) Hemlo Explorers Inc.

554484	Single Cell Mining Claim	2019-07-18 0:00	2021-07-18 0:00	(100) Hemlo Explorers Inc.
562446	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562447	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562448	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562449	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562450	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562451	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562452	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562453	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562454	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562455	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562456	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562457	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562458	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562459	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562460	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562461	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562462	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562463	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562464	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562465	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562466	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562467	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562468	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562469	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562470	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562471	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562472	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.
562473	Single Cell Mining Claim	2019-10-22 0:00	2021-10-22 0:00	(100) Hemlo Explorers Inc.

APPENDIX VIII

Daily Logs

Daily Log North Limb Project August 2020					
Date	**B. Maclachlan days**	**Activities**		**C. Robertson days**	**Activities**
August-08-2020	1	Drove to Marathon		1	Drove to Marathon
August-10-2020	1	Haevy rain, checked access to the property, drove ATV to the work site		1	Haevy rain, checked access to the property, drove ATV to the work site
August-11-2020	1	Soil Sampling		1	Soil Sampling
August-12-2020	1	Soil Sampling		1	Soil Sampling
August-14-2020	1	Soil Sampling		1	Soil Sampling
August-15-2020	1	Soil Sampling		1	Soil Sampling
August-16-2020	1	Soil Sampling		1	Soil Sampling
August-17-2020	1	Soil Sampling		1	Soil Sampling
August-18-2020	1	Soil Sampling		1	Soil Sampling
August-19-2020	1	Soil Sampling		1	Soil Sampling
August-20-2020	1	Soil Sampling		1	Soil Sampling
August-21-2020	1	Soil Sampling		1	Soil Sampling
August-22-2020	1	Soil Sampling		1	Soil Sampling
August-23-2020	1	Soil Sampling		1	Soil Sampling
August-24-2020	1	Soil Sampling		1	Soil Sampling
August-25-2020	1	Rock sampling, drove to Chapleau		1	Rock sampling, drove to Chapleau
August-26-2020	1	Drove to Timmins, organized samples		1	Drove to Timmins, organized samples
August-27-2020	1	Data entry		1	Data entry
Total Days	**18**			**18**	

Daily Log North Limb Project July - October 2020								
Date	**D. Kakeeway days**	**Prospecting**	**Travel/Other**	**Activities**	**Helper days**	**Prospecting**	**Travel/Other**	**Activities**
July-15-2020	1		1	Drove to T-Bay to North Limb	Bill Simmons		1	Drove to T-Bay to North Limb
July-17-2020	1	1		Departed Mobert house with atv to the Northlimb and went down to ddh area f1-95-4	Bill Simmons	1		Departed Mobert house with atv to the Northlimb and went down to ddh area f1-95-4
July-20-2020	1	1		Departed Mobert house at 8:00 am. Prospected Armand Lake area and home at 5:30 pm	Bill Simmons	1		Departed Mobert house at 8:00 am. Prospected Armand Lake area and home at 5:30 pm
July-21-2020	1	1		Departed Mobert house at 8:00 am. Prospected Armand Lake area and home at 4:45 pm	Bill Simmons	1		Departed Mobert house at 8:00 am. Prospected Armand Lake area and home at 4:45 pm
July-23-2020	1	1		Checked out the Caravelle B showing,Noranda trench located	Bill Simmons	1		Checked out the Caravelle B showing,Noranda trench located
July-24-2020	1	1		Prospect further up the Dead Otter road.	Bill Simmons	1		Prospect further up the Dead Otter road.
July-31-2020	1	1		Prospect Dans Au/Zn occurrence	Duane Ineese	1		Prospect Dans Au/Zn occurrence
Aug-01-2020	1	1		Prospect south side of Lunny Lake	Duane Ineese	1		Prospect south side of Lunny Lake
Aug-02-2020	1		1	Described samples and fix rock hammers				na
Aug-03-2020	1	1		Prospect in creek bed	Duane Ineese	1		Prospect in creek bed
Aug-04-2020	1	1		Continue prospecting creek bed and north of road.Arrived home at 7 pm	Duane Ineese	1		Continue prospecting creek bed and north of road.Arrived home at 7 pm
Aug-05-2020	1	1		First day prospecting Lunny Lake porphyry. Several Sericite Schist rocks. Found 2 old trenches. Home at 6 pm	Duane Ineese	1		First day prospecting Lunny Lake porphyry. Several Sericite Schist rocks. Found 2 old trenches. Home at 6 pm
Aug-06-2020	1	1		As per Dan prospect along old 200 ppb area. Took 7 samples	Duane Ineese	1		As per Dan prospect along old 200 ppb area. Took 7 samples
Aug-07-2020	1	1		As per Dan prospect along old 200 ppb area. Took 6 samples	Duane Ineese	1		As per Dan prospect along old 200 ppb area. Took 6 samples
Aug-08-2020	1		1	Prepare, waypionts,tracks, descriptions, and submit samples to assay lab				na
Aug-10-2020	1		1	Travel back to Mobert to help Dan spot holes etc.				na
Aug-11-2020	1	1		Met Dan an Leslie at the corner of hwy 614 and 17 at 9:00 am. We went into the northlimb				na
Aug-12-2020	1	1		Met Dan an Leslie at the corner of hwy 614 and 17 at 9:00 am. We went into the northlimb				na
Aug-13-2020	1		1	I decided to make notes of the culvert conditions and size with gps locations. Also cleaned out plugged culverts. Discovered a new Atv trail leading to Musher lake. Found old trench and channels across trail. Took grab samples to the south of trench.	Duane Ineese		1	I decided to make notes of the culvert conditions and size with gps locations. Also cleaned out plugged culverts. Discovered a new Atv trail leading to Musher lake. Found old trench and channels across trail. Took grab samples to the south of trench.
Aug-14-2020	1	1		Picked up helper 9:30 am. Prospected the discovered Atv trail area. Did not prospect to far from trail as both gps batteries were low.	Duane Ineese	1		Picked up helper 9:30 am. Prospected the discovered Atv trail area. Did not prospect to far from trail as both gps batteries were low.
Aug-16-2020	1	1		Picked up helper and prospected the Lunny Lake porphyry. Took several samples and arrived home at 6:00 pm.	Duane Ineese	1		Picked up helper and prospected the Lunny Lake porphyry. Took several samples and arrived home at 6:00 pm.
Aug-17-2020	1		1	Mentioned to helper I had to go to town to get groceries and will pick him up at 12. He was not available at 12 and so decided to organize and describe samples instead.				na
Aug-18-2020	1	1		A older helper agreed to help and picked him up at 8:20 am.	Jerome Desmoulin	1		A older helper agreed to help and picked him up at 8:20 am.
Aug-19-2020	1		1	Picked up the older helper and got to the prospecting area and notices my front atv tire was very low and immediately drove it out before it deflated.	Jerome Desmoulin		1	Picked up the older helper and got to the prospecting area and notices my front atv tire was very low and immediately drove it out before it deflated.
Aug-20-2020	1		1	Travel from Mobert to Thunder Bay with grab samples.				na
Aug-21-2020	1		1	Prepare, waypionts,tracks, descriptions, and submit samples to assay lab.				na
Aug-31-2020	1	1		Prospect Armand Lake porph. Area as per Dan	Jerome Desmoulin	1		Prospect Armand Lake porph. Area as per Dan
Sept-01-2020	1	1		Prospect Armand Lake porph. Area as per Dan	Jerome Desmoulin	1		Prospect Armand Lake porph. Area as per Dan
Sept-02-2020	1	1		Scouted access to Kusins showing	Jerome Desmoulin	1		Scouted access to Kusins showing
Sept-04-2020	1	1		Boat down river to kusins showing	Jerome Desmoulin	1		Boat down river to kusins showing

Sept-05-2020	1	1		Prospect southwest of Kusins showing	Jerome Desmoulin	1		Prospect southwest of Kusins showing
Sept-06-2020	1		1	Describe samples				na
Sept-07-2020	1		1	Travel back to Tbay				na
Sept-10-2020	1		1	Travel back to Mobert from Tbay				na
Sept-11-2020	1	1		Doug and Chico haul boat to black river	Jerome Desmoulin	1		Doug and Chico haul boat to black river
Sept-13-2020	1	1		Prospect shore of Black river along strike of Kusins showing	Jerome Desmoulin	1		Prospect shore of Black river along strike of Kusins showing
Sept-14-2020	1	1		Prospect with Lesley Rose on north limb				na
Sept-15-2020	1	1		Prospect with Lesley Rose on north limb				na
Sept-16-2020	1	1		Prospect with Lesley the shore of Black river along strike of the Kusins occurrence				na
Sept-17-2020	1	1		Picked up boat and trailers from Black river	Jerome Desmoulin	1		Picked up boat and trailers from Black river
Sept-18-2020	1	1		Prospect North limb using canoe north of Solong lake	Jerome Desmoulin	1		Prospect North limb using canoe north of Solong lake
Sept-23-2020	1		1	Travel back to Mobert from Thunder Bay				na
Sept-24-2020	1		1	Help Dan cut control line				na
Sept-25-2020	1		1	Help Dan cut control line				na
Sept-26-2020	1		1	Help Dan follow up elevated soils and grabs				na
Sept-30-2020	1	1		Prospect along strike to the west of Caravelle C zone	Jerome Desmoulin	1		Prospect along strike to the west of Caravelle C zone
Oct-01-2020	1	1		Prospect along strike to the west of Caravelle C zone	Jerome Desmoulin	1		Prospect along strike to the west of Caravelle C zone
Oct-02-2020	1		1	Travel back Thunder bay with grab samples				na
Oct-07-2020	1		1	Return from Thunder Bay to Mobert				na
Oct-08-2020	1	1		Doug and James prospect west of Carvelle C zone	James Abraham	1		Doug and James prospect west of Carvelle C zone
Oct-10-2020	1	1		Doug and Jerome prospect down the north south road at the 51 ppb Au area and 80 meters west in old trench.	Jerome Desmoulin	1		Doug and Jerome prospect down the north south road at the 51 ppb Au area and 80 meters west in old trench.
Oct-11-2020	1	1		Doug and Jerome prospect 125 ppb Au area	Jerome Desmoulin	1		Doug and Jerome prospect 125 ppb Au area
Oct-12-2020	1	1		Doug and Jerome prospect down the north south road west and east side of road	Jerome Desmoulin	1		Doug and Jerome prospect down the north south road west and east side of road
Oct-13-2020	1	1		Doug and Jerome prospect around long lake near split in road at dead otter and twist road	Jerome Desmoulin	1		Doug and Jerome prospect around long lake near split in road at dead otter and twist road
Oct-14-2020	1		1	Show the new geo Rodney the road system and area's I sampled close to road.				na
Oct-15-2020	1		1	Describe and pack up samples for the lab.				na
Oct-16-2020	1		1	Travel back to Thunder Bay with samples				na
Total Days	**57**	**36**	**21**			**31**	**3**	

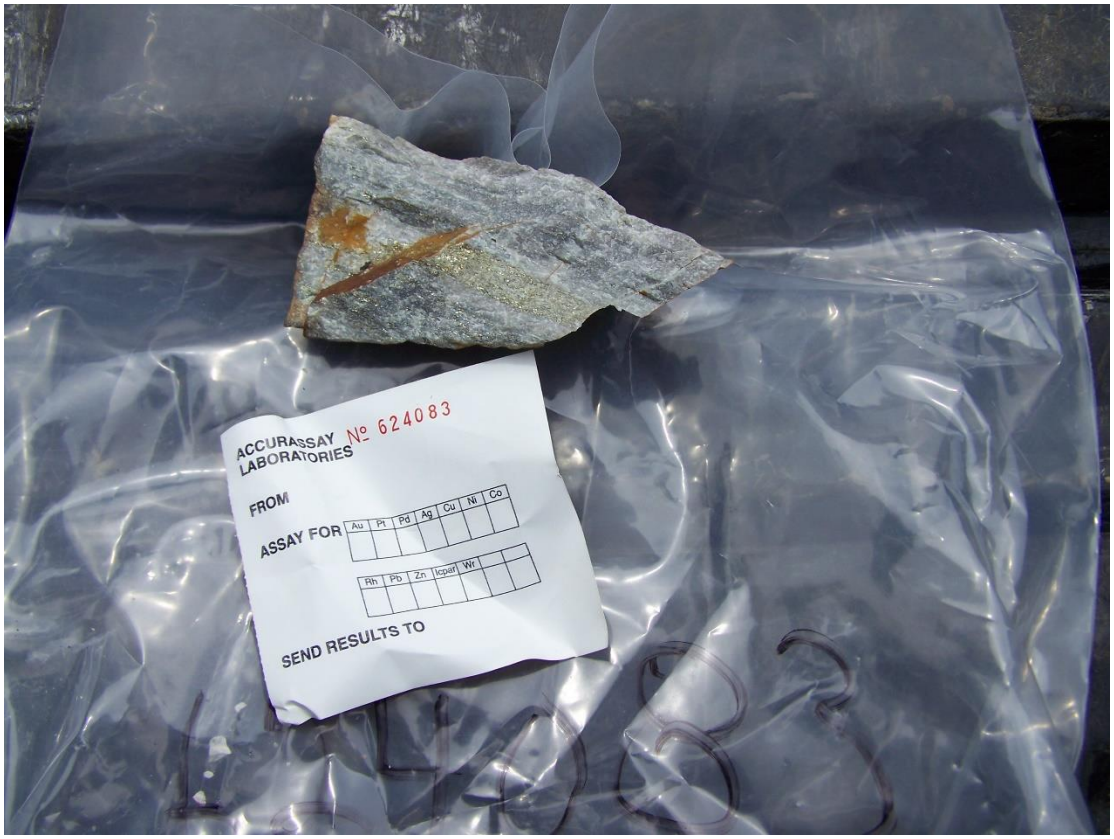
APPENDIX IX

Photos

W1279853, Porphyry, strongly silicified, 1-2% pyrite

Felsic Volcanic, <1% pyrite, limonite rind

Felsic Volcanics, <1% pyrite, limonite rind

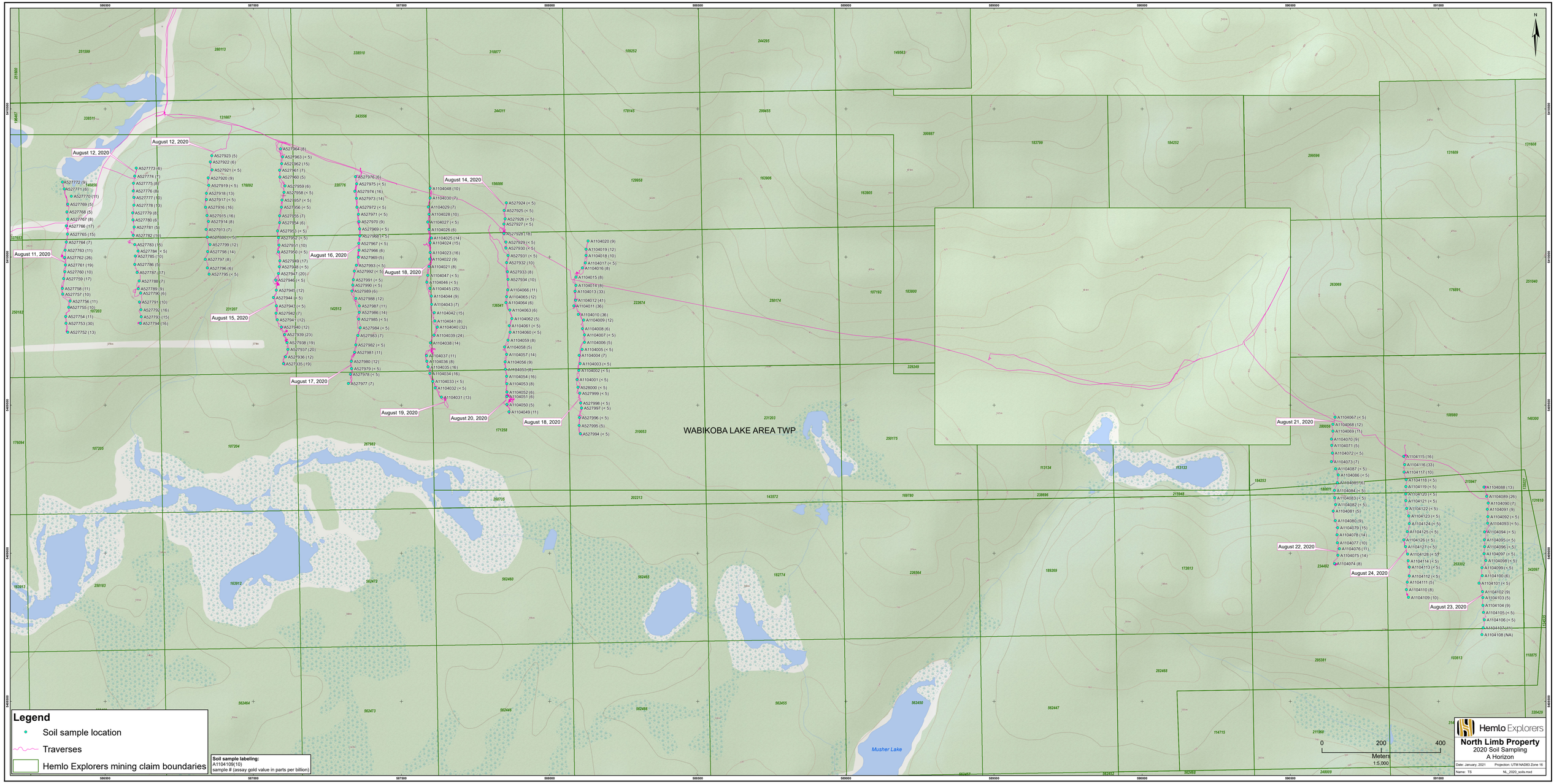


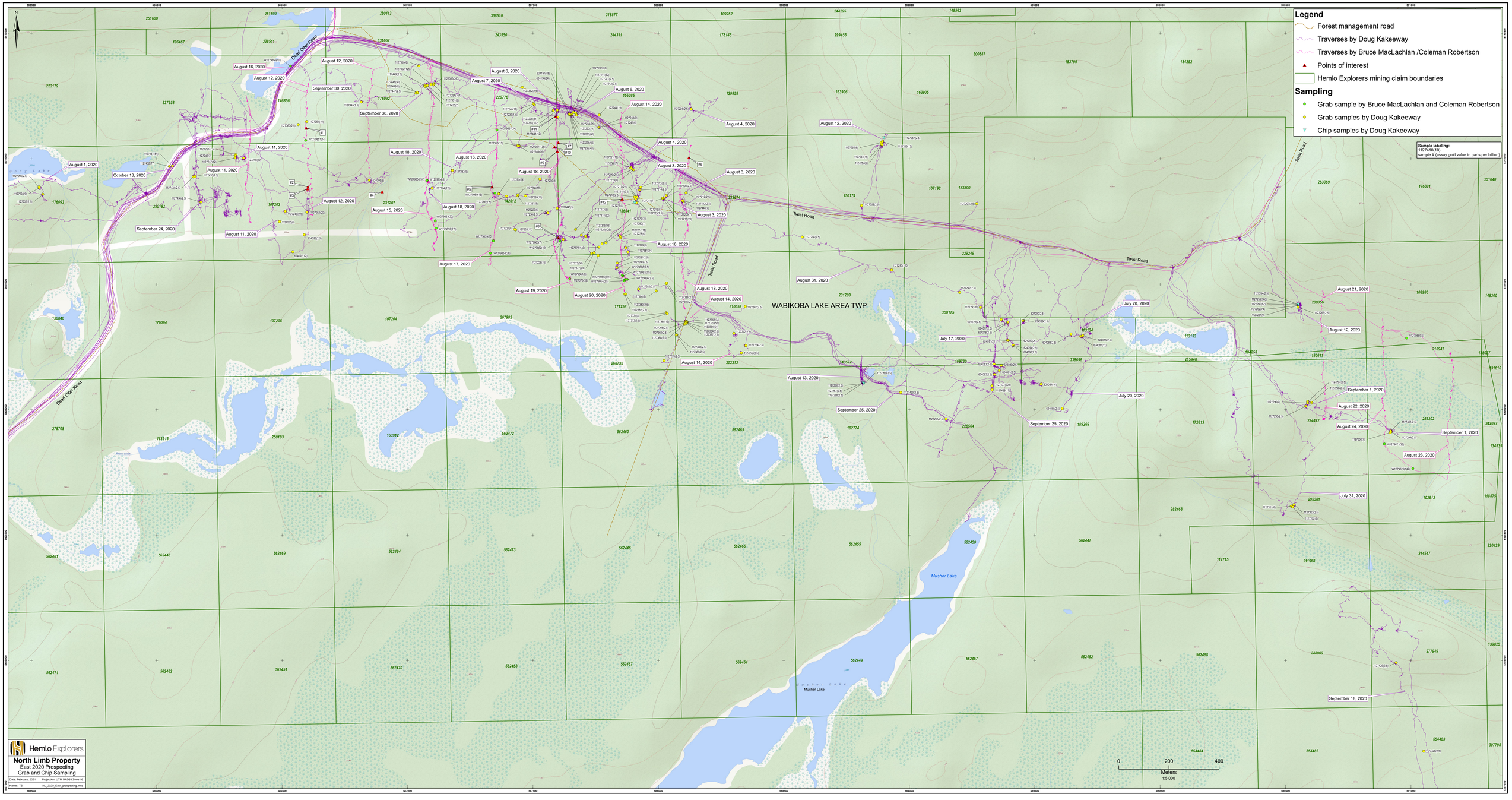
Highly strained Felsic Volcanics, 1% pyrite

Limonite stained Mafic Volcanics, 1% pyrite

APPENDIX X

Map Sheets


August 11, 2020
August 12, 2020
August 12, 2020
August 15, 2020
August 16, 2020
August 17, 2020
August 18, 2020
August 19, 2020
August 14, 2020
August 20, 2020
August 18, 2020
August 21, 2020
August 22, 2020
August 24, 2020
August 23, 2020
WABIKOBA LAKE AREA TWP
Musher Lake
N
Legend
Soil sample location
Traverses
Hemlo Explorers mining claim boundaries
Soil sample labeling:
A1104109(10)
sample # (assay gold value in parts per billion)
0
200
400
Meters
1:5,000
Hemlo Explorers
North Limb Property
2020 Soil Sampling
A Horizon
Date: January, 2021
Projection: UTM NAD83 Zone 16
Name: TS
NL_2020_soils.mxd


Legend
Forest management road
Traverses by Doug Kakeeway
Traverses by Bruce MacLachlan /Coleman Robertson
Points of interest
Hemlo Explorers mining claim boundaries
Sampling
Grab sample by Bruce MacLachlan and Coleman Robertson
Grab samples by Doug Kakeeway
Chip samples by Doug Kakeeway
Sample labeling:
1127410(10)
sample # (assay gold value in parts per billion)
WABIKOBA LAKE AREA TWP
Twist Road
Dead Otter Road
Musher Lake
August 1, 2020
October 13, 2020
August 11, 2020
August 12, 2020
September 30, 2020
August 16, 2020
August 6, 2020
August 7, 2020
August 14, 2020
August 4, 2020
August 3, 2020
August 18, 2020
August 15, 2020
September 24, 2020
August 17, 2020
August 19, 2020
August 20, 2020
August 31, 2020
July 20, 2020
July 17, 2020
August 21, 2020
August 22, 2020
September 1, 2020
August 24, 2020
August 23, 2020
July 31, 2020
September 18, 2020
August 13, 2020
September 25, 2020
Hemlo Explorers
North Limb Property
East 2020 Prospecting
Grab and Chip Sampling
Date: February, 2021
Projection: UTM NAD83 Zone 16
Name: TS
NL_2020_East_prospecting.mxd
0
200
400
Meters
1:5,000

N

Legend

- Hemlo Explorers mining claim boundaries
- Traverses by Doug Kakeeway

Sampling

- Grab samples by Doug Kakeeway
- Chip samples by Doug Kakeeway
- Gravel road
- Unsurfaced road

Sample labeling:
1127410(10)
sample # (assay gold value in parts per billion)

Black River

September 4, 2020

September 4, 2020

Swede East Road

Black River

Aimers Creek

0 200 400
Meters
1:5,000

Hemlo Explorers

North Limb Property
West 2020 Prospecting
Grab and Chip Sampling

Date: February, 2021 Projection: UTM NAD83 Zone 16

Name: TS NL_2020_West_prospecting.mxd

APPENDIX XI

Points of Interest (Table 5)

North Limb Property Point of Interest Table 5							
POI_#	Date	UTM Zone	Easting	Northing	Elevation	Description	Photo(s)
1	12-Aug-20	16	586596	5410122	398	Garnet-biotite schist beneath recently overturned tree with foliation at 090 degrees with subvertical dip, minor rust, felsic dyke intruding along and across foliation. Photos E.	yes
2	12-Aug-20	16	586603	5409888	392	North end of ~3-4m deep, 5-6m wide trench at ~175 degrees. Some rusty blocks within. Photo S.	yes
3	12-Aug-20	16	586602	5409880	389	South end of previous trench. May be longer than coordinates suggest, appears to be 10-15m.	
4	12-Aug-20	16	586899	5409868	390	Start of another 10s of meters long trench at ~160 degrees.	
5	17-Aug-20	16	587337	5409888	400	White quartz in porphyry outcrop on hill.	
6	18-Aug-20	16	588122	5410005	398	Rusty, fine-grained, dark grey rock with minor pyrite in apparent outcrop sticking out of hillside, striking 270/50 degrees north. May be slumped over so measurements not completely certain. Photo NW.	yes
7	18-Aug-20	16	587601	5410064	399	Old picket reading L15E, 0+50N.	
8	19-Aug-20	16	587601	5409685	381	North end of deep ~4-5m trench pointing SSE.	
9	19-Aug-20	16	587597	5410030	396	Rusty stripped outcrop, photo N.	yes
10	19-Aug-20	16	587586	5410047	398	Orange sample flag reading 1384447.	
11	19-Aug-20	16	587591	5410169	402	100 degree quartz veins in porphyry, channel cuts. Photo ESE.	yes
12	20-Aug-20	16	587855	5409839	381	Old road.	