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Report of 2015 Surface Exploration Program on the TME East and Arimathaea East Projects

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November 1, 2015

Summary Page

Geographic Location: Benneweis Road, Benneweis Township and parts of St. Louis, Neville, Groves & Champagne Townships

Claims Worked On: 4249460, 4249461, 4249463, 4249464, 4249465, 4249466, 4249467, 4249468, 4249469, 4249470, 4249473, 4249474, 539406, 539410, 539411, 539412, 539413, 539414, 539415, 539416, 539417, 539418, 539419, 539420, 539421, 539282, 539286, 539289, 539290, 539291, 539292, 539293, 539294, 539295, 539296, 539297, 539298, 539315, 539316, 539317, 539318, 539319, 539320, 539321, 539181, 539182, 539183, 507667, 507668, 507669, 539328, 539153, 4255309

Target Commodity: Gold

Geological Mapping: Map Scale 1:5000

Area (square kilometers): 51 km^2

Mapping/Prospecting (total kilometers): 64 km

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SUMMARY

The TME and Arimathaea East Projects are located approximately 135 kilometers north of Sudbury and 110 kilometers south of Timmins, Ontario. Access to the property can be attained by vehicle from the Cote Lake Camp using the Benneweis logging road via Highway 144 between 7 and 21 kilometers. The TME East project consists of 268 units in 21 unpatented mining claims covering 4288 hectares and Arimathaea East consists of 113 units and claims covering 1808 hectares. Both projects are currently owned by Trelawney Mining and Exploration Inc.. Most of the exploration in the immediate area of both project areas was concentrated in the 1980's, between 1980 and 1990, with the most recent exploration in 2010-11. Surface exploration consisted mainly of mapping and ground magnetic and VLF-EM geophysical surveys with local blasting and trenching, and a number of airborne surveys have also been completed. The 2015 exploration program consisted of a winter pole-dipole IP survey on the Errington grid, with a follow-up geological mapping and sampling program with prospecting on the Errington grid but also over regional and historical exploration targets in both project areas.

Both project areas are located within the Chester Intrusive Complex (CIC - c.a. 2740 Ma), in the eastern part of the Pacaud Assemblage, at the southwestern extension of Abitibi Greenstone Belt. It consists of weakly metamorphosed syn-volcanic felsic intrusive rocks, metavolcanics, and metasediments intruded by a variety of complex intermediate to mafic intrusives. The supracrustal rocks underlying the claims are characteristic of the CIC, with granodiorite and tonalite being the dominant felsic intrusive underlying the property (70%). Mafic metavolcanics (10%), in the form of massive mafic flows, and gabbro mafic intrusive (15%) account 25% of the underlying rock types. Chemical and clastic metasediments have been recognized as inter-formational horizons within the mafic metavolcanics. Timiskaming sediments (c.a. 2676-2685 Ma) account for 5% of the underlying rocks on the property, and are characterized by CIC clast supported conglomerate. All rock types have been cross-cut by younger Matachewan diabase dykes (<1%). The supracrustal have undergone lower greenschist metamorphism, with no contact metamorphism identified. The Ridout Deformation Zone (RDZ) extends for 10 kilometers as part of a 120 kilometer long regional structure, This east-west brittle-ductile deformation zone consists of a number of anastomosing shears structure exhibiting dextral movement It has overprinted mainly the mafic metavolcanics and to a lesser degree on the Timiskaming sediments and CIC. The average principal shear/foliation trend is generally east-west (84.2º), with an average sub-vertical dip to the south at 82.6º. Fold axis lineation shows a main easterly plunge direction from 35^0 to 81^0, with westerly plunging fold axes in the western part of the TME East project area. The presence of a tight up-right parasitic folds and convergence of litho-stratigraphic units particularly in the mafic metavolcanics may indicate the potential of a larger fold sequence.

There are three high priority targets in both project areas and these are;

1) Errington grid with strata-bound lode-gold targets at or near lithological contacts of mafic metavolcanics, Timiskaming Sediments, and CIC along the RDZ. Targets include the quartz stockwork structure and extensively sheared and carbonate altered mafic metavolcanics

coinciding with weak to locally strong unexplained IP chargeability responses in strong magnetic low areas
2) Benneweis Logging Spur at KM 6-7 – Chester Intrusive pseudo-breccia of unknown geometry with strong silicification and presence of both disseminated and fracture-fill pyrite and similar to Cote Gold Deposit
3) Benneweis Lake Area – Strata-bound structures with poly-metallic mineralization hosting and following gabbro and CIC contacts

Although no significant gold mineralization was encountered, several weak sulphide occurrences were located and sampled over the weak to moderate chargeability zone and in favorable hydrothermally CIC and metavolcanics hosts and all targets remain untested. Sporadic anomalous gold values up to 240 ppb Au were returned in the Timiskaming Sediments in the Errington grid area. The RDZ is the most significant structure in both project areas and conducive to precious metal, lode gold-bearing mesothermal mineralization. They may represent later stages of major re-activated, dilatational structures. The potential to look for dilatational, open flexures and trans-compressional folds would provide pathways and traps for auriferous hydrothermal fluid movement in this steeply-dipping and moderately to steeply plunging structure(s). The presence of iron-rich hosts (primarily mafic metavolcanics) would provide the chemical trap for gold to precipitate in the formation gold-bearing sulphides in vein and silica-'flooded' gold-bearing structures. The geological environment on the properties has the potential for a new discovery along linear structures, which remain untested at depth. Two sub-parallel lineaments to the south of RDZ remain virtually unexplored, and have the same dextral movement as the RDZ. .

Additional exploration work is recommended at this time in both project areas. Recommended 2016 exploration work includes continuation of semi-detailed to reconnaissance mapping and prospecting and sampling. Mechanical trenching and water stripping of overburden is recommended over the stronger chargeability responses and favorable geological areas on the Errington grid.

1.0) Introduction

1.1 General

The TME and Arimathaea East Projects are located 110 kilometers south of Timmins, Ontario and 135 kilometers north of Sudbury, Ontario (Figure 1). Geological mapping and sampling programs were carried out from May 8 to October 6, 2015, covering 59 mining claims (Table 1).

The purpose of the 2015 surface program was to evaluate the geological environment to host gold mineralization through mapping and prospecting on several target areas in two contiguous project areas. The surface program also focused on regional potential through mapping and sampling within proximity to Trelawney Mining & Exploration Inc. (subsidiary of IAMGOLD) Cote Gold Deposit. Surface exploration accounted for 61% of the expenditures on TME East ($58,316.60) and 39% on Arimathaea East ($36,631.50). This report describes and interprets the geology and geochemical results of the 2015 surface exploration program.

2.0) Location, Access, and Property Description

2.1) Location and Access

The TME and Arimathaea East Projects are located 110 kilometers south of Timmins, Ontario and 135 kilometers north of Sudbury, Ontario (Figure 1). It is located in Benneweis, and parts of St. Louis, Neville, Groves, and Champagne Townships, Porcupine Mining Division (NTS 41 P/12SW and SE).

Both projects can be accessed north from Sudbury or south from Timmins by using the Highway 144 for 135 kilometers and 110 kilometers, respectively. The Trelawney Mining and Exploration Cote Camp is within 1 to 11 kilometers to the west of TME and Arimathaea East. Highway 144 and the Mesomikenda Lake Road provides direct road access to the western part of the project, whereas, the Benneweis logging road and its secondary logging spur roads and trails provides direct access to the southern, eastern, and central parts. Boat access from Gogama at Minisinakwa Lake provides access the northeastern part of the project TME East area and Errington Lake in the northwestern part of both project areas. There are numerous logging trails in the south and central part of the property.

2.2) Description of Mining Claims

The TME East Project consists of 268 units in twenty (21) unpatented mining claims covering 4288 hectares (Figure 2). Trelawney Mining and Exploration Inc. (3 Mesomikenda Lake Road, PO Box 100, Gogama, Ontario POM 1WO) currently own 100% of these claims. The claim distribution is summarized in Table 1. Arimathaea East consists of 113 units in 113 unpatented mining claims covering 1808 hectares (Table 2). The Arimathaea East property is controlled by Trelawney Mining and Exploration Inc. through 100% ownership of

Ontario Numbered company 2294167 Ontario Limited which in turn owns controlling interest in Ontario Numbered company 986813 Ontario Limited.

Figure 1 – Location Map of TME and Arimathaea East Projects Area

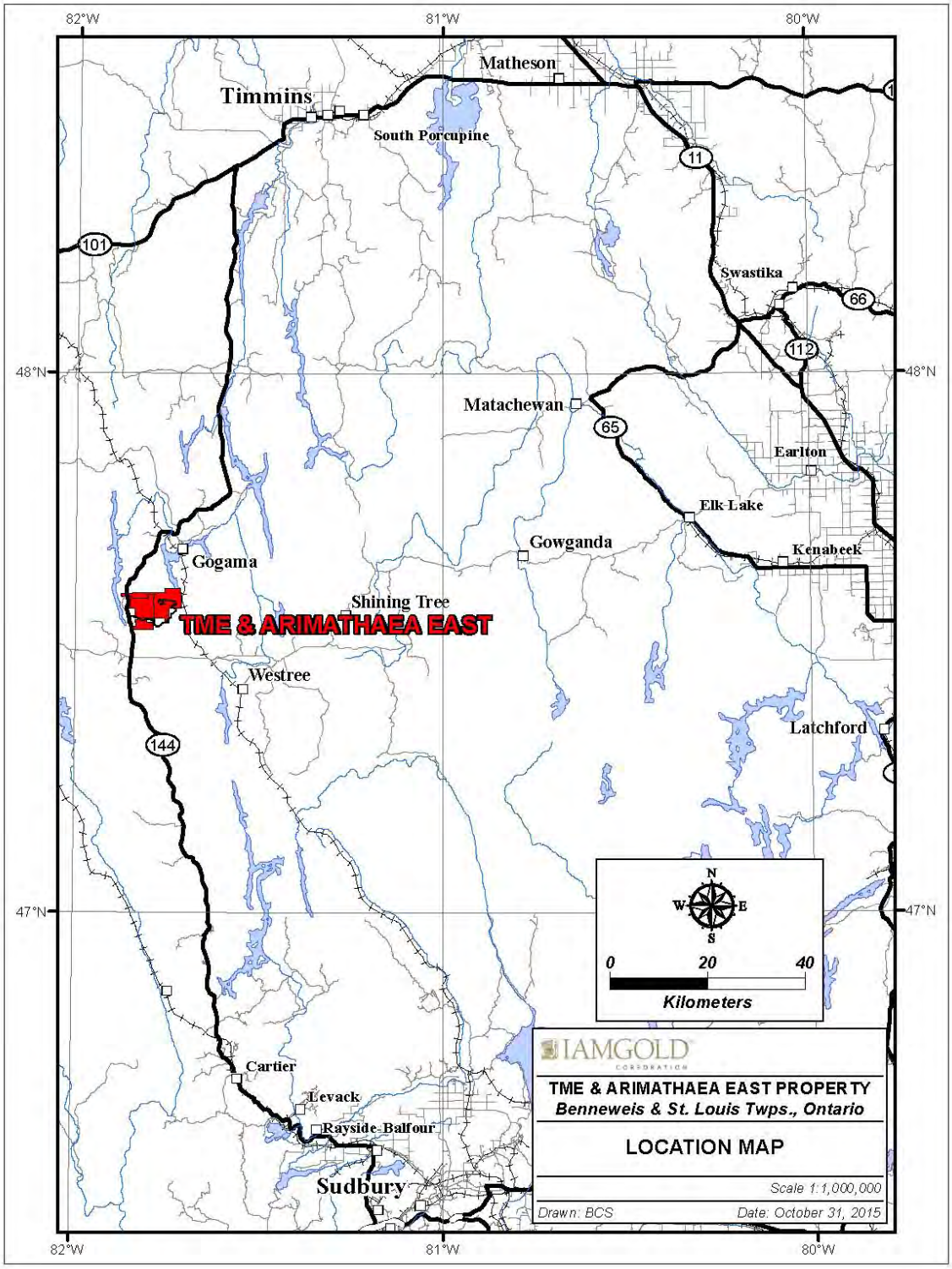


Figure 2 – TME & Arimathaea East Project Claim Configuration Map

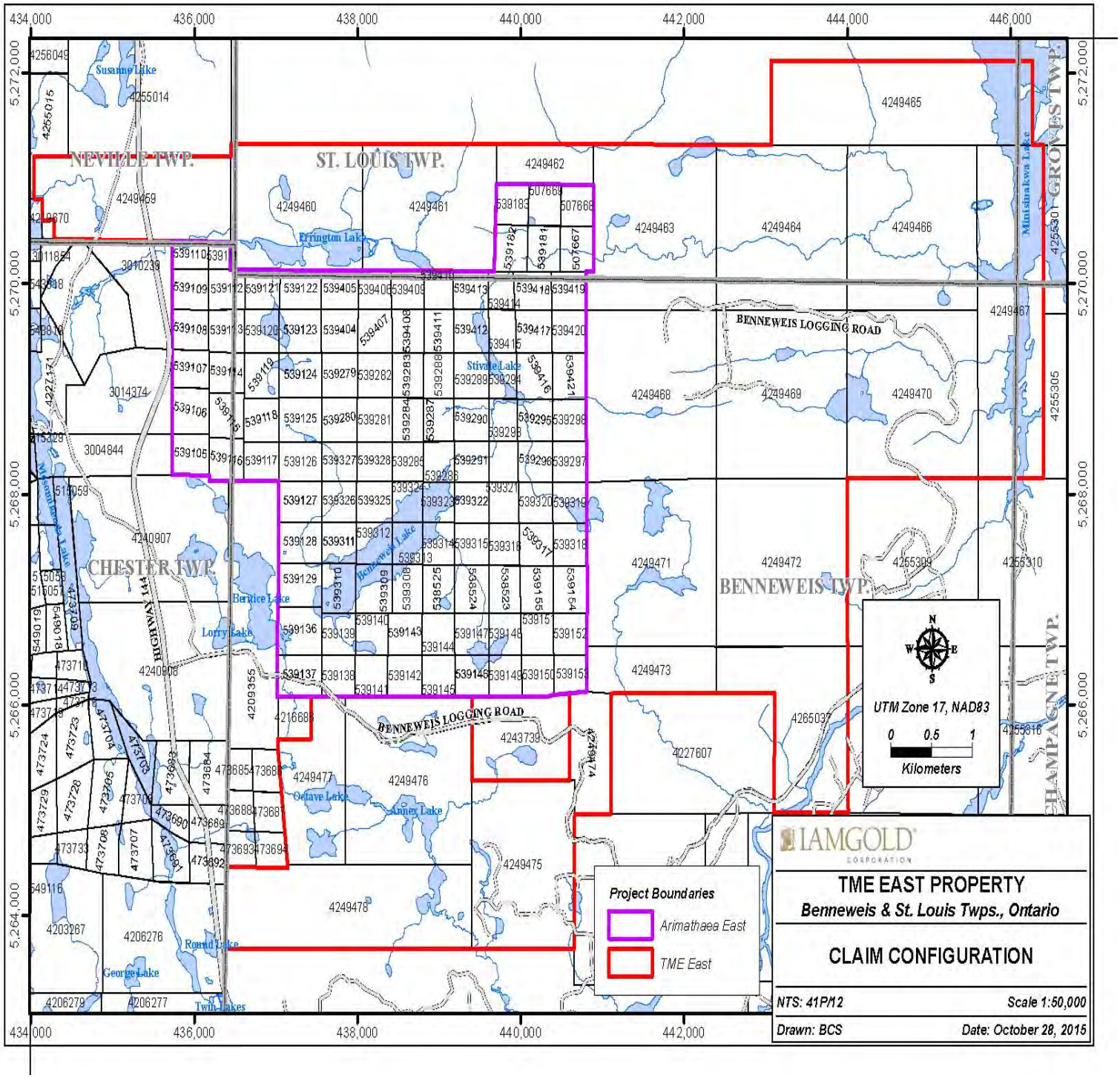


Table 1- TME East Project Claim Distribution

Claim Number	Units	Area (ha)	Township	Current Ownership	Due Date	Work Due	Reserve ($)
4249459	12		Neville	Trelawney Mining & Exploration Inc.	November 3, 2015	4800	0
4249460	12		St. Louis	Trelawney Mining & Exploration Inc.	November 3, 2015	4800	0
4249461	12		St. Louis	Trelawney Mining & Exploration Inc.	November 3, 2015	4800	0
4249462	3		St. Louis	Trelawney Mining & Exploration Inc.	November 3, 2015	1200	0
4249463	16		St. Louis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249464	16		St. Louis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249465	16		Groves	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249466	16		St. Louis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249467	16		Groves	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	244
4249468	16		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249469	16		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249470	16		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	479
4249471	16		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249472	16		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249473	4		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	1600	0
4249474	4		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	1600-	0
4249475	12		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	4800	241
4249476	16		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6400	0
4249477	7		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	2800	0
4249478	15		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	6000	0
4265037	11		Benneweis	Trelawney Mining & Exploration Inc.	November 3, 2015	4400	0

Table 2 – Arimathaea East Project Claim Distribution

Claim Number	Units & Claims	Area (ha)	Township	Current Ownership	Due Date	Work Due on Each Claim
539105 to 539129	25	400	Benneweis	986813 Ontario Limited	May 16, 2017	400
539136 to 539155	20	320	Benneweis	986813 Ontario Limited	May 16, 2017	400
539181 to 539183	3	48	Benneweis	986813 Ontario Limited	July 5, 2017	400
539279 to 539298	20	320	Benneweis	986813 Ontario Limited	May 22, 2017	400
539308 to 539328	21	336	Benneweis	986813 Ontario Limited	May 22, 2017	400
539404 to 539421	18	288	Benneweis	986813 Ontario Limited	May 22, 2017	400
507667 to 507669	3	48	Benneweis	986813 Ontario Limited	July 5, 2017	400
538523 to 538525	3	48	Benneweis	986813 Ontario Limited	May 16, 2017	400

3.0) Physiography and Vegetation

The height of land ranges from 348 m and 413 meters above sea level. Inferred thickness of overburden is largely unknown with no documentation of overburden thickness, but visually, local thicknesses are up to 5 to 10 meters. Overall, bedrock exposure ranges from <1% to locally up to 5%. The overburden cover consists of unconsolidated glacial silty sand to silty clay in generally boulder-rich till in higher relief areas, and thick organic matter and clay in poorly drained lower relief areas. In the higher relief areas, the A and B horizon is well developed in the unlogged areas, whereas the lower relief, swampy areas are characterized by thick moss and organic-rich humus. For the most part, the relief on the property is flat with very gentle relief. The lower relief areas are occupied by extensive clay-rich swamp and muskeg with poor drainage.

The eastern part of the TME East Project area is bounded by Minisinakwa Lake. There are two major drainages in both project areas with Benneweis Creek being the most prominent drainage area, flowing northeast to eastward from Benneweis Lake through Stivale Lake into Benneweis Bay of Minisinakwa Lake. Drainage from Errington Lake flows westward into Mesomikenda Lake. There are a number of smaller lakes with interconnecting drainage patterns, with two lakes on the southeast section of the Errington grid draining southeastwards into Mollie River

For the most part, the property is characterized by occasional (<1% to 5%) rock outcrop exposure with an increase in frequency along the Benneweis logging road and in recently logged out areas. There appears to be a relative increase in exposure in the eastern part of the claim. Outcrop occurs as intermittent low-lying exposures and as local rock faces in higher relief areas.

Vegetation consists of mainly of black and white spruce balsam with local poplar, birch, cedar, and jack pine, along with secondary growth of alders and moose maple. Swampy, recessive areas are characterized by alders and locally by cedar, with open grassy and low-lying grass/brush surrounding most of the lakes. The east-central part of the TME East Project area has undergone extensive logging activity.

4.0) Historical Exploration

Most of the exploration in the immediate area of both project areas was concentrated in the 1980's, between 1980 and 1990, with the most recent exploration in 2010-11 (Table 2). Discounting the airborne surveys, surface exploration consisted mainly of mapping and ground magnetic and VLF-EM geophysical surveys with local blasting and trenching.

Two drill programs have been documented with First Lithium Resources (2010-11) carrying out 1952.9 meters of drilling in ten (10) diamond drill holes located adjacent to the southeastern part of the TME Project area. The drill program was designed to test a series of north trending IP chargeability and magnetic targets trending onto TME. The only significant intercept is in drill hole MR10-10, which returned 1.83 g/t Au over 0.51 meters. The second drill program was carried out by Jarvis Resources in 1983 and totaled 151.4 meters and is located in the northeastern part of TME East, near Minisinakwa Lake. Drilling intersected sheared and folded greywacke Timiskaming Sediments cross-cut by quartz veining and hosting disseminated pyrite. Anomalous gold values were intersected within the main structure and is summarized in Table 3.

Follow-up surface trenching, mapping, prospecting and sampling, and ground VLF-EM and magnetics surveys were carried out by Larry Salo in 1993 and 2006. Only one anomalous gold value was returned with a value of 617 ppb Au (recheck – 686 ppb Au).

A number of airborne surveys were completed with the most recent on by Trelawney Mining & Exploration (2010) carrying out VLF-EM and gradient magnetic surveys over both project areas. Airborne geophysical surveys were commissioned in the mid 1980's by Blue Falcon Mines Ltd. (1985 and 1990), 633861 Ontario Ltd. (1985-86), and Hargor Resources Inc. (1980).

Table 3 – Summary of Historical Exploration on TME East Project Area

Company	Year	AFRI Number	Description of Historical Exploration Work
First Lithium Resources Inc. (option with Newcastle Minerals Ltd.)	2010-11	20011273	1952.9 meters of drilling in 10 diamond drill holes (MR10-01 to10) located south and adjacent to southeast sector of TME Project; most significant intersection in drill hole MR10-10, which returned 1.83 g/t Au over 0.51 meters.
Newcastle Minerals Ltd.	2010	20008776	Ground IP and magnetic survey (27.5 km) by Vision Exploration adjacent to the southeastern part of the TME Project
Trelawney Mining & Exploration Inc.	2010	20010189	Airborne VLF-EM and magnetic gradient survey (5473 line km) covering all of TME Project area
Larry Salo	2006	20002943	Trenching and water stripping program located southeast part of TME project near the Benneweis logging road
Larry Salo	1993	41P12SE0001	Blasting/trenching, manual cleaning, mapping & prospecting/sampling, ground VLF-EM (19.3 km) and magnetic survey (18.3 km)
Blue Falcon Mines Ltd.	1990	41P12SE0520	High sense magnetometer/VLF-EM survey (Terraquest Ltd) covering a survey area of 475.5 line kilometers covering parts of 5 townships; cover all of Benneweis Twp
Chesbar Resources Inc.	1989	41P12SW0011	Geological mapping and sampling in south part of TME Project area
Chesbar Resources Inc.	1988	41P12SW0012	Ground VLF-EM & magnetic survey (20.5 km) in south part of TME project area
Actuate Resources Inc.	1988	41P12SE0526	Ground magnetic survey (89.875 km) in the south part of the TME Project area
Blue Falcon Mines Ltd.	1988	41P12SE0527	Line-cutting & geological mapping (78 line km) covering the south-central part of the TME Project
633861 Ontario Ltd.	1985-86	41P12SE0528	Airborne magnetic/VLF-EM survey (236 line km) by Terraquest Ltd; covered the south eastern portion of the TME Project area
Blue Falcon Mines Ltd	1985	41P12SE0507	Airborne magnetic/VLF-EM survey (4000 line km) covering parts of 10 townships, including Benneweis Twp and the Mollie River Project (West Block) claim P 4243739
Jarvis Resouces	1983	41P12SW0003	151.5 meters of diamond drilling in three drill holes; most significant intersection is 1.37 g/t Au / 3.05 meters
E. Blanchard	1983	41P12SW505	– - KM6-7 Benneweis logging road spur) -no assays/maps
E. Blanchard	1982	41P12SW5054-5055	– - KM6-7 Benneweis logging road spur) -no assays/maps – no assays/maps
National Irron Mines Ltd.	1981	41P12SW0011	Line-cutting & geological mapping (30.6 km), and geophysical compilation
Hargor Resources Inc.	1980	41O09NW9161	Airborne Magnetic and VLF-EM Survey (Rexhem-1 System); flew 4203 line km including northeast part of property in the Minisinakwa Lake area

Table 4 - 1983 Jarvis Resources Drill Summary

Drill Hole	Grid Location	Azimuth	Dip	Depth (m)	From (m)	To (m)	Width (m)	Au (g/t)	Intercept Description
1	N/A	360	-45	47.2	25.6	29.35	3.75	1.00	Greywacke – sh, qs, & 25% py
2	N/A	360	-45	50.6	26.65	29.7	3.05	1.37	Shear – pyritic and qs
3	N/A	360	-45	53.6	27.73	29.56	1.83	0.51	Greywacke – sh, qs, & fine sulphides

5.0) Geological Settings

5.1) Regional Geology

The supracrustal rocks underlying the general area are located in the Swayze area, as part of the Pacaud Assemblage (ca 2750-2735Ma) in the Abitibi Subprovince of the Superior Province in the Precambrian Shield (Figure 3A). The eastern part of the Pacaud Assemblage marks the boundary domain between the southern flank of the Nat River (granodiorite/tonalite) and the Kenogamissi (tonalite/diorite) granitoid complex to the north.

The eastern part of the Pacaud Assemblage is characterized by the eastern extension of the Chester Intrusive Complex (CIC - ca 2740 Ma), which comprises of a complex array of multiple intrusions of tonalite, granodiorite, to diorite in composition and associated intrusive breccias (Figure 3B). This intrusive complex measures 24.5 km by the widest 4.5 km in the Cote Gold Deposit area. Felsic, intermediate, and mafic metavolcanics with clastic and chemical metasediments underlie the north side of the Chester Intrusive Complex (CIC). Timiskaming metasediments (ca 2676-2685 Ma) are prominent in the northern part of the project areas, and represent the youngest assemblage of rocks overlying the CIC. The Chester Group has also been intruded by younger gabbro and lesser diorite; although there are relationships show contemporaneous timing of the gabbro with the CIC. Also gabbro occurs as an older series of intrusive bodies, acting as synvolcanic feeders to the extrusive mafic metavolcanics in both the southern and northern part of the mafic metavolcanics complex. There are at least four separate diabase dike swarms, ranging in age from late Archean to late Proterozoic, present in the Swayze area: (1) the north striking Matachewan dike swarm, (2) the northwest striking Sudbury dike swarm, (3) the east to northeast striking Abitibi dike swarm, and (4) a late, southeast striking dike swarm (Lavigne et al – 2012).

The principal regional structure is the Ridout Deformation Zone (RDZ). The RDZ trends east-west for approximately 120 kilometers. Although not fully understood, this deformation zone consists of multiple, anastomosing high-strain zones reflected by a dominant penetrative foliation about un-deformed autochons, and shows a dextral shear component. The RDZ marks the northern boundary between the Kenogamissi (tonalite /diorite) granitoid complex and CIC for approximately 35 kilometers. The supracrustal rocks have undergone lower greenschist metamorphism.

The newly discovered Côté Gold Project (IAMGOLD) has an indicated mineral resource of 269,000,000 tonnes grading 0.88 g/t Au (7.61 Moz) and is hosted in the Chester Intrusive Complex in a series of altered and mineralized intrusives and intrusive breccias. Approximately 980,000 tons of gold-silver ore have been mined to date from seven deposits (Joburke, Jerome, Tionaga, Kingbridge-Gomak, Halcrow-Swayze, Young-Shannon, Lawrence). The largest production has been from the Joburke and Jerome Mines, The Joburke Mine yielded 632,292 tons grading 0.10 oz gold per ton (1973-75,1971-81), while the Jerome Mine produced some 56,893 oz Au and 15,114 oz Ag from 335,060 tons of ore (1938-1951) averaging 0.71 opt Au and 0.05 opt Ag (Coates – 2013).

5.2) Property Geology

The rocks underlying the TME and Arimathaea East Project area are characteristic of the Chester Intrusive Complex (CIC) of the Pacaud Assemblage (Figure 3B). The property geology is consistent with the lithological rock type characteristics compiled by Berger (2011) and Siragusa (1983). Felsic to intermediate intrusive of the CIC account for 70% of the underlying rock types in both project areas, with granodiorite and tonalite being the principal rock types. They are part of an extensive intrusive complex that extends east-west for approximately 24.5 kilometers. Both older and younger gabbro intrusive and equivalent iron-rich tholeiitic basalts account for 25% of the supracrustal rocks. Andesitic rocks are conspicuously absent. The mafic metavolcanics consist of massive very fine to fine-grained flows (may be in part evolved from gabbro feeders). Clastic metasediments in the form of Timiskaming Sediments account for 5% of the underlying rocks, forming a 6.5 kilometer long stratigraphic section marking the northern mafic metavolcanics contact with the CIC to the south. This erosional and depositional conformity represents approximately a 55 to 66 My gap between the CIC and the overlying mafic metavolcanics. Felsic metavolcanics (1%) have been recognized in the northwestern part of both project areas and represent their most eastern extent, regionally. The remaining <1% part of the property is underlain by north to northwest trending Matachewan diabase dykes. The rocks underlying the property have undergone lower greenschist metamorphism.

The Ridout Deformation Zone (RDZ) is the most extensive regional structural boundary, extending east-west for approximately the length of both project areas for approximately 10 kilometers. The RDZ forms a series of anastomosing brittle-ductile dextral shear zones over 10 kilometer strike length and is up 300 meters wide. It has overprinted primarily the mafic metavolcanics stratigraphy, and to a lesser degree the Timiskaming Sediments and the Chester Intrusive Complex. There are un-deformed domains within the RDZ. The Kenogamissi granitoid complex marks the north contact, approximate to the northern margin of the RDZ. It has been described as a moderately to steeply east-northeast to northeast plunging regional with tight isoclinal folded sequences.

The newly discovered Côté Gold Project (IAMGOLD) is the principal gold resource in the area, with an indicated mineral resource of 269,000,000 tonnes grading 0.88 g/t Au (7.61 Moz).

Figure 3 - Regional Geology - Swayze Greenstone Belt in Abitibi Sub-Province

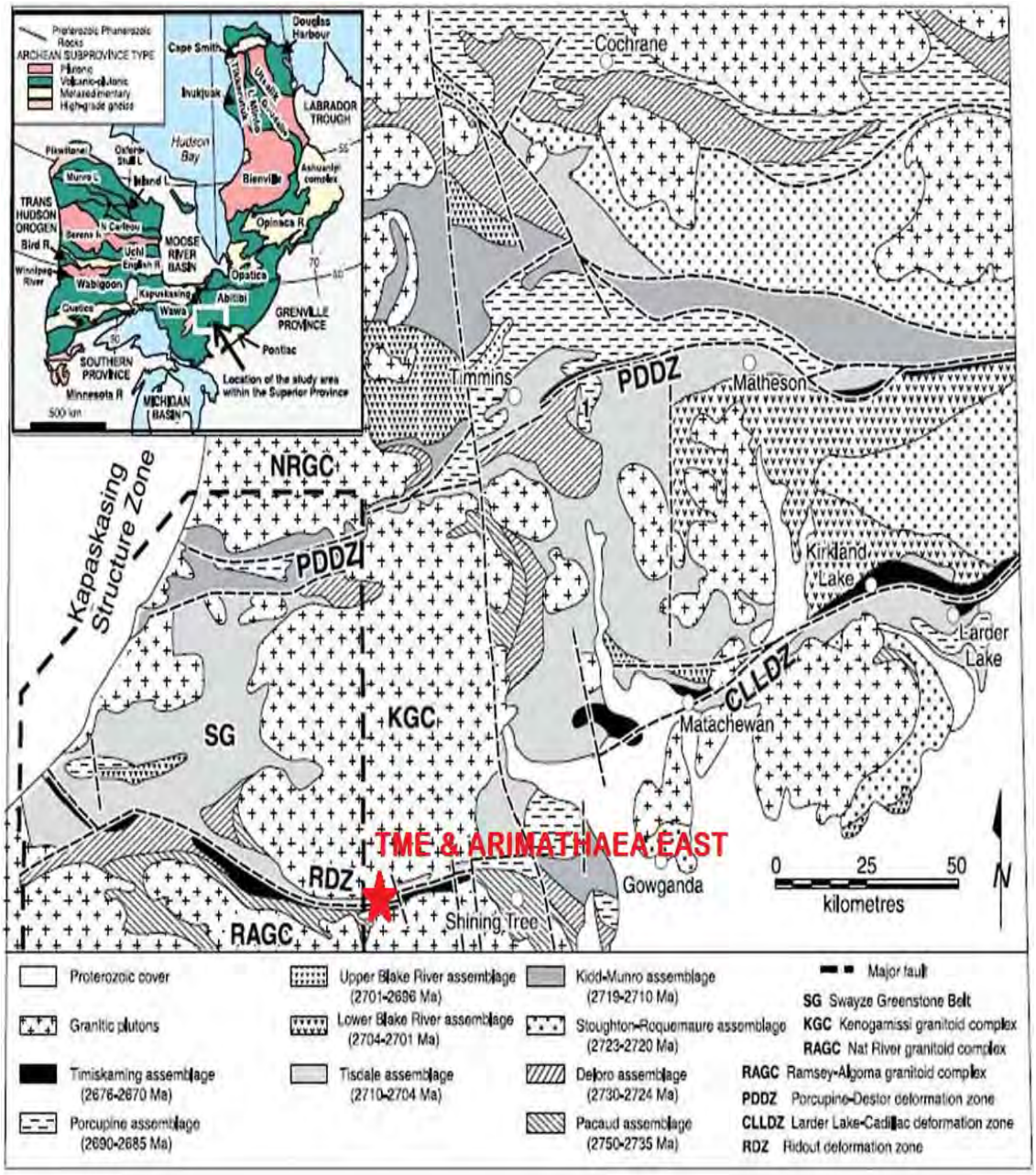
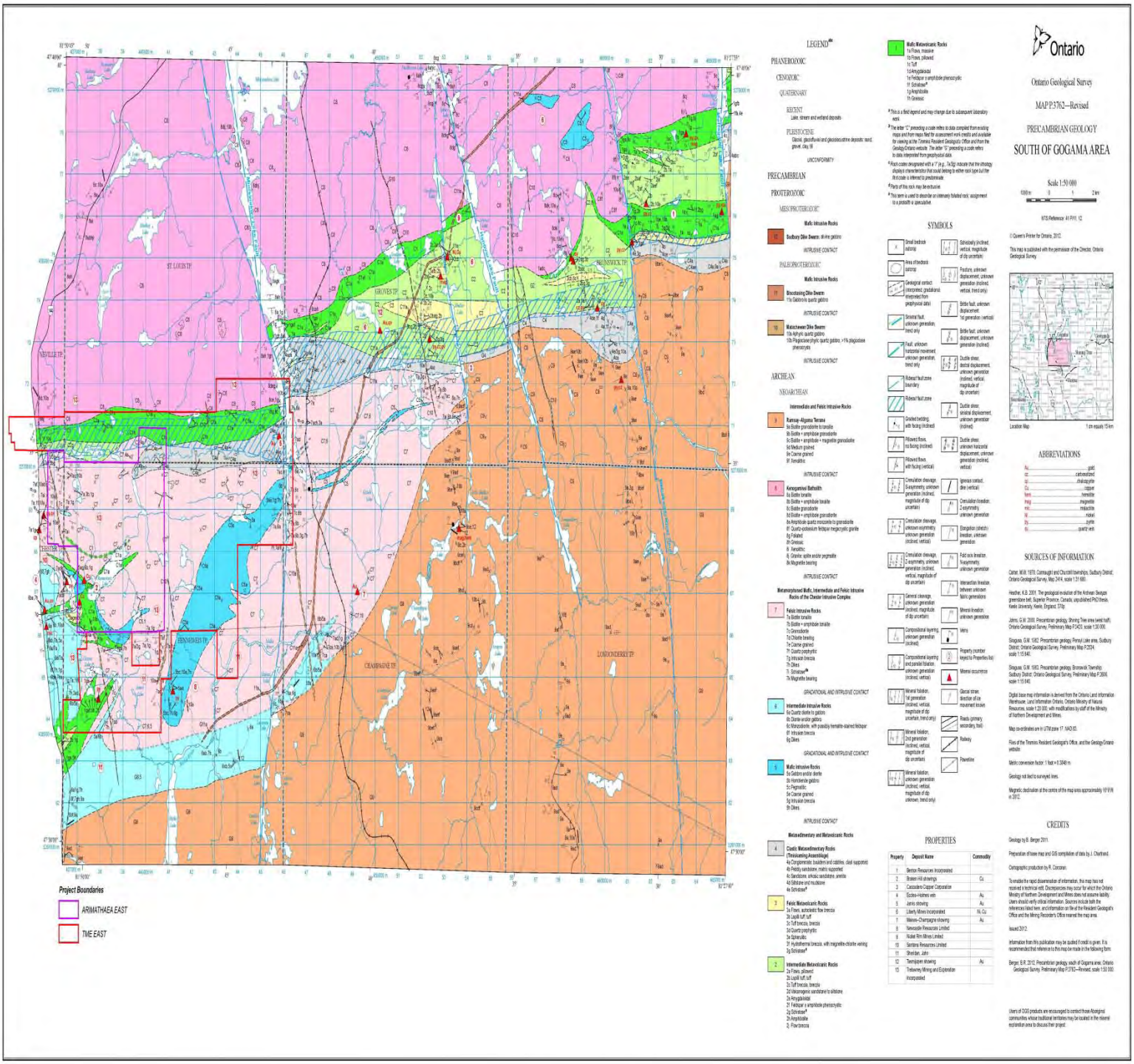


Figure 4 - Regional Geology of Cote East Block (TME & Arimathaea East Projects) - after Berger (2011)



6.0) Deposit Types

The Swayze area is part of the Abitibi Subprovince, which that extends from northwest Quebec to central Ontario and hosts a diverse array of precious and base metal deposits. Major breaks such as the Larder Lake-Cadillac and Destor-Porcupine Break host the majority of gold deposits (over 200 million oz of gold) in the Abitibi Subprovince. There are two distinct styles of gold mineralization; 1) orogenic lode-gold greenstone hosted mesothermal gold, and 2) intrusive-related 'porphyry' disseminated style. The latter are synvolcanic, and are similar to the Lebel alkali syenite intrusive in Kirkland Lake and the Chester Intrusive Complex at Côté Gold Deposit, showing similarities to multiple intrusive related gold mineralization with an mesothermal overprint.

The potential of gold mineralization in both project areas fit both these styles of mineralization with the presence of a recessive east-west, linear, brittle-ductile shear structures between the more brittle CIC and relatively more ductile altered mafic metavolcanics and gabbro, located at their contacts and the host CIC.

7.0) Summary of 2015 TME and Arimathaea East Projects Surface Exploration Program

Between May 8 and October 6, 2015, Trelawney Mining and Exploration Inc. conducted project-wide exploration programs, which included both semi-detailed grid to reconnaissance mapping, prospecting, and an orientation humus and B-horizon soil sampling program. For the purpose of this report, only the mapping and prospecting/sampling will be described in this report. The 2015 surface exploration program was initiated to evaluate the potential for gold mineralization on a property-scale, as well as to evaluate target driven airborne to ground geophysical targets and local historical showings. The field work was undertaken to understand the potential gold environment and structural considerations conducive for precious metal mineralization, focusing on the Ridout Deformation Zone.

The author conducted most of the mapping and some prospecting with the aid of several junior assistants (Table 5). Ruth Bjorkman and Jared Shilson carried out most of prospecting and completed some mapping from September 15 to 29, 2015. Mapping and prospecting/sampling was carried out using a GPS and compass survey (Garmin GPSMAP 62S) over the Errington grid every 400 meters, with selected 200 meter spacing in target areas. The Benneweis logging road and their tertiary roads, as well as an old power line, accessed mapping areas along the road and within open-cut logged out areas. Boat access from the town of Gogama to the northeast and northwest of TME East was used, as well as to conduct shoreline mapping and sampling on Minisinakwa and Errington Lake. Accuracy of the GPS unit is approximately 3 to 6 meters. Approximately 64 kilometers of mapping was completed, with in-fill mapping, prospecting and sampling in local areas. Nad 83 in Zone 17T was utilized in the mapping, prospecting, and sampling program. Geological and other cultural features, such as claim posts, were referenced to observed UTM co-ordinates.

Prospecting by Bjorkman and Shilson concentrated their prospecting and sampling on the east-west chargeability trend, located in the northern sector of the Errington grid, as well as in northeastern part and shoreline of Benneweis Lake.

Manual removal of a thin overburden and brush/tree cover of historical blast trenches was conducted by Shane O'Neil, Kevin MacDougall, and Nick Dore between May 20 and 27, 2015. Follow-up surface trench exploration work in the form of dry channel cutting and detailed trench mapping was conducted by Shane O'Neil and the author, respectively. As a result, the strike length, width, and nature of the shear zone was outlined and verified, and both grab and channel samples were subsequently collected. A Stihl TS 420 diamond saw was used along with the appropriate diamond saw blade. A diamond saw channel cut varied in width from 2 to 5 centimeters (i.e. average between 3 and 4 centimeters), at a depth between 5 and 10 centimeters (i.e. average between 5 and 6 centimeters). Sample intervals varied from 0.3 meters to 0.7 meters. The channel sampling technique gives a more representative sample of the interval, beneath the zone of weathering. A total of 9.8 linear meters of diamond saw channel cuts and chipping were performed in two(2) trenches (Appendix 1 and 2).

Table 5 – 2015 Surface Exploration Personnel

Personnel	Title	Domicile
Stephen Roach	Senior Geologist	Ottawa, Ontario
Brian Tomczuk	Project Geologist	St. Catharines, Ontario
Andrew Shea	Junior Geologist	Sudbury, Ontario
Alex Wytiahlowsky	Junior Geologist	Burlington, Ontario
Adam Waram	Junior Geologist	Sudbury, Ontario
Colin Dunham	Junior Assistant	London, Ontario
Percy Clarke	Junior Geologist Assistant	Thunder Bay, Ontario
Aidan Ditchburn-Trout	Junior Geologist Assistant	Montreal, Quebec
Kevin McDougall	Junior Assistant	Toronto, Ontario
Nick Dore	Junior Assistant	Toronto, Ontario
Shane O'Neil	Geotech	Sudbury, Ontario
Ruth Bjorkman	Prospector/Geologist	Atikokan, Ontario
Jared Shilson	Prospector Assistant	Toronto, Ontarioo

The following is presented as appendices in separate folders…….

Appendix 1 - 2015 TME & Arimathaea East Project Geology/Sample Location-Golds/Tracks - Scale: 1:5,000

Appendix 2 - 2015 Sample Descriptions

8.0) Analytical Quality Control and Quality Assurance

An aggregate total of 281 rock samples (including both grab and channel) were analyzed from this surface exploration program. Samples were analyzed by Activation Laboratories (1010 Lorne Street, Unit West 4, Sudbury, Ontario *P3C 4R9*).

All samples were bagged, and secured with security twist tags in rice bags. The samples were personally delivered by Trelawney Mining and Exploration personnel to the Actlabs laboratory in Sudbury. All samples were analyzed for gold by fire assay/AA and a 61 element ICP-0ES and ICP-MS rock package. All methods used, analyses, and detection limits are on hand in the form of assay certificate A14-06077 (Appendix 3).

Activation Laboratories (Actlabs) are accredited by the Standards Council of Canada to ISO 17025 for specific registered tests or certification to ISO 9001:2008 certifications for accredited methods. Sample preparation, analytical and quality control procedures employed are mutually similar in procedure and are as follows:

8.1) Sample Preparation

Once the samples have been received, they are entered into the ALS Minerals Quality Management System and given an internal sample control number. The samples are then checked for dryness prior to any sample preparation and dried if needed. The samples are split off 1.0 kg and pulverized split to better than 85% passing 75 microns using a Jones Rifler. Silica cleaning between each sample is also performed to prevent any cross contamination. Random screen analysis is performed daily to check for attainable mesh size.

8.2) Gold Analysis

All Au analysis is performed at a 30g charge by fire assay using lead collection with a silver inquart. The detection limit is 2 ppb. The beads are then digested and an atomic absorption finish is used.

8.3) Multi Scan Analysis

Multi scan analysis (61 elements) was performed using a near total to total four acid digestion (hydrochloric, nitric, perchloric, hydrofluoric). It is then analyzed by ICP-OES and ICP-MS method.

8.4) Whole Rock Package

A lithium borate fusion with an ICP-AES finish is used. This resulted in a 10 oxide element package with LOI and Total being measured. Another 5 oxides were also

measured. This package did not include rare earths. A total of nine (9) samples were collected for the whole rock package.

8.5) Laboratory & Company Quality Control / Quality Assurance (QC/QA)

Certified standard and blank assays are usually run for each rack of samples. A non-reproducible check assay are an indication of nugget problems within the sample and both laboratories recommend that further analysis be performed to generate a better representation of the sample.

All standards run are graphed to monitor the performance of the laboratory. Act labs Minerals warning limit is 2 times the standard deviation and our control limit is 3 times the standard deviation. Any work order with a standard running outside the warning limit will have selected re-assays performed, and any work order with a standard running outside the control limit will have the entire batch of samples re-analyzed.

All QC/QA data run with each work order is kept with the clients file. If desired, the client may have all the blanks and certified standards reported on a certificate to correspond to the client's samples. All quality control graphs are available upon request.

The laboratory also keeps daily log books for the sample throughput. These logs record all information pertaining to; 1) who performed the analysis, 2) when the analysis was done, 3) how the analysis was performed, and 4) what other sample were analyzed at the same time. This is done to help eliminate the possibility of misrepresentation and cross-contamination of the client's samples.

Actlabs Minerals instruments are calibrated using ISO traceable calibration standards and our quality control standards are created from separate stock solutions. Their instruments are directly tied to their quality control program eliminating the need for manual data entry, hence, reducing human error.

Trelawney Mining and Exploration Inc. also inserted and alternated one sample standard and blank every 12 samples. The author believes that the results of sampling and analysis of core samples collected during this program reliably reflect the nature of mineralization observed.

9.0) Discussion of Results from 2015 Surface Exploration Program

9.1) Geology

The following is a synopsis of major rock types and alteration, structure, and mineralization encountered as a result of mapping and sampling and presented at 1:5000 scale. A combined geological, sample location/gold geochemistry, and track map is presented as a west and east sheet at a scale of 1:5000 in Appendix 1. Sample descriptions

with gold and ICP geochemistry and Actlabs assay certificates are presented in Appendix 2, respectively.

The following briefly summarizes the geological and assay results from the 2015 mapping and prospecting/sampling program.

9.1.1) Lithology and Alteration

Chester Intrusive Complex – Granodiorite/Tonalite

The felsic to intermediate intrusive rocks underlying both project area are part of the Chester Intrusive Complex (CIC), which trends east-west for approximately 24.5 km. They occupy approximately 70% of the rocks underlying TME East, extending the entire length of the property for 10 kilometers. The thickest part of CIC underlies both the TME & Arimathaea East Project areas with a thickness of up to 5.5 kilometers. The intrusive contact forms a digitating contact with the Timiskaming Sediments on the Errington grid, perhaps suggesting some structural deformation and fault-bound contacts. The felsic to intermediate intrusive rocks are classified as granodiorite to tonalite on the QAP diagram for plutonic rocks (Figure 5). They are chemically equivalent to calc-alkaline andesite to rhyolite.

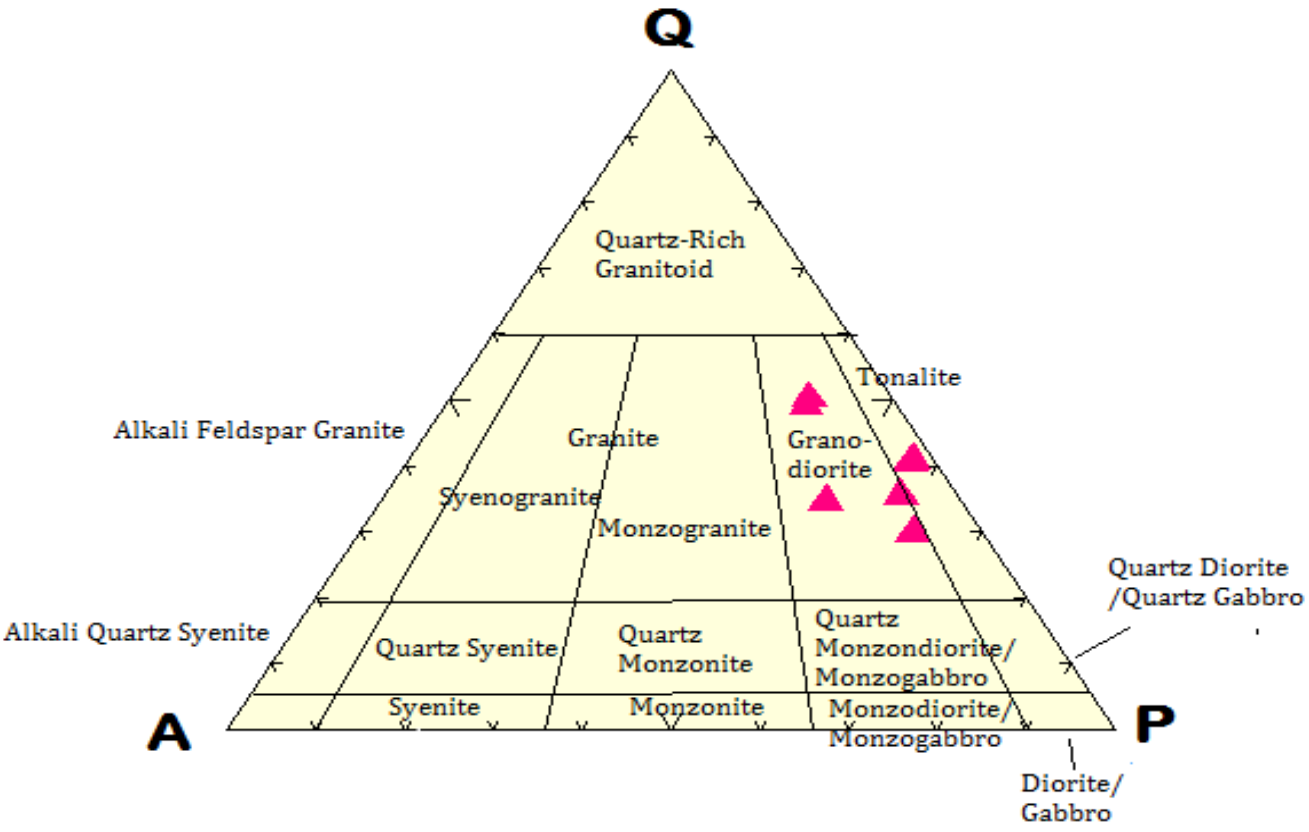
They typically weather to buff grayish-white to grayish-white, and have a fresh surface color ranging from grayish-white to gray (PLA-1A and B). It is composed of albite + quartz ± chlorite ± biotite ± sericite ± kspar ± amphibole ± carbonate ± leucoxene. Both unstrained blue and strained grayish-white quartz-eyes have been recognized and vary from < 1% to locally 20%. Increased concentration of quartz-eyes appears to coincide to increased silicification with medium to coarse grained (up to 5 mm), sub-elliptical to sub-rounded 15% to 20% bluish quartz-eyes. Along with the quartz-eyes, these rocks are feldsphyric with 20% to 30% feldspar, giving the overall rock a porphyritic texture. The granodiorite/tonalite intrusive rocks gradually become coarser grained away from the margins, particularly south of Benneweis Creek in the central part of the Errington grid. The more siliceous tonalite parts of the CIC occupy the margins of the complex intrusion, particularly in the eastern part of the TME East Project area along the Benneweis logging area. The tonalite intrusive is commonly very-fine to fine-grained (<1.0 mm). The very-fine to fine-grained quartz phenocrysts range from 20% to 35%, in a very-fine grained aphanitic feldsphyric-quartz matrix, and are typically sub-angular to sub-rounded in shape.

Several thin cross-cutting felsite and quartz-diorite/diorite dykes and sills have been recognized from the mapping. The extent of these rocks is not known. These rocks weathered to light gray to pinkish-gray, being very siliceous with very-fine-grained quartz-eyes (<1% to 5%) in an aphanitic cherty-like quartz-feldspathic matrix. They generally have a massive appearance. Normalized chemistry from whole rock data indicates 52% albite and 39% quartz with 5% other plagioclase and potassium feldspar.

The most prolific alteration was recognized on the Errington grid is located between L98+00 E and L 100+00 E, extending for 200 meters and up to 100 meters wide. It is open in all directions. The strong pervasive sericite/silicified and possibly albite alteration has overprinted the granodiorite/tonalite intrusive rocks, close to the Timiskaming Sediment contact to the north. The intrusive rocks have undergone strong shearing near the contact. The alteration is situated well south of the IP chargeability response to the north.

A strongly silicified-(albite altered) granodiorite/tonalite intrusive breccia has been identified in the southern part of the TME East Project area. It is located just north of the Benneweis logging road (KM6-7), along a logging spur and recent open cut area. The weathered surface color is patchy rusty brown to rusty brown with a bleached white to drusy grayish-white fresh color. There is strongly silicification-(albite alteration) of the felsic to intermediate matrix and sub-rounded to sub-angular altered mafic clasts, giving a pseudo-breccia texture (PLA-2). It is clast-supported and mono-lithological with clast size up to 6 cm in size.

Figure 5 – QAP Ternary Plot for Chester Intrusive Complex Rocks



A)

B)

PLA-1 A) Quartz-Eye Granodiorite & Feldsphyric Diorite Contact at 5269516N/440550E (looking south) **B)** Porphyritic Quart-Eye Granodiorite (Sample 163351) - 5265747N/440238E

PLA-2) – Silicified-(Albite Altered)) Granodiorite/Tonalite Pseudo-Intrusive Breccia – 5266166N/440828E (looking west); Photo taking on Benneweis logging road spur near KM6-7.

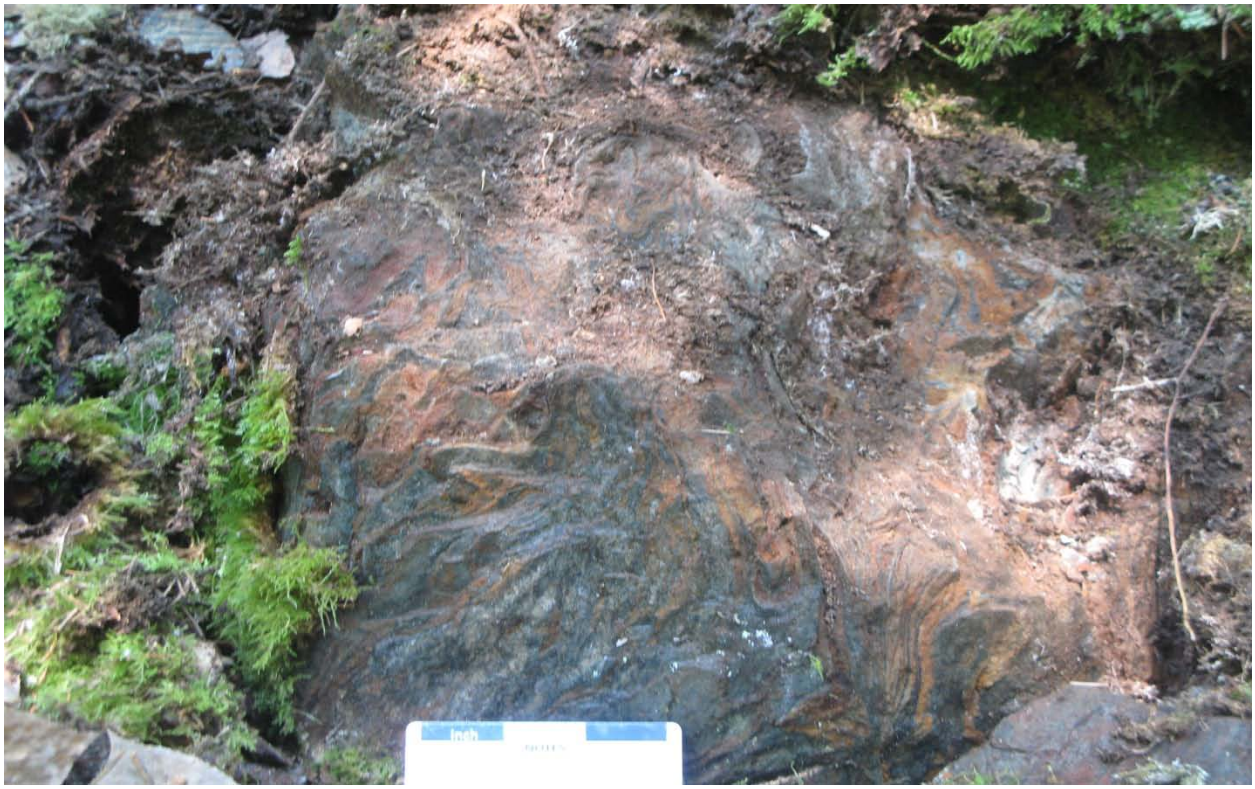
Mafic Metavolcanics

The mafic litho-stratigraphy on the TME East follows the general east-west trend for 10 kilometers and constitutes approximately 10% of the underlying rocks on the property. The Kenogamissi Batholith marks the north boundary to the mafic metavolcanics. The south boundary is marked by both Timiskaming Sediments in the eastern part of the Errington grid and laterally transitions into CIC and felsic metavolcanics to the western part of the grid. The mafic metavolcanics are at least 350 meters thick in the Errington grid area and regionally, the mafic metavolcanics are up to 600 meters thick (Berger 2011). The contact between the mafic metavolcanics and Timiskaming Sediments is sharp. In the western part of the Errington grid, the contact among the mafic metavolcanics, CIC, and felsic metavolcanics is not well constrained due to the lack of outcrop exposure.

The mafic litho-stratigraphy extends from the northwestern to the northeastern part of the TME East Project area, covering both map sheets. It is the major litho-stratigraphic unit within the Ridout Deformation Zone. This east-west trending mafic

unit is at least 350 thick, dipping steeply to the south. The unaltered mafics weathered fresh colors range from dark green, green, to grayish green. Carbonate altered weathered and fresh varieties of mafic range from a light green to a more bleached light green (calcite carbonate) to a brownish (rusty appearance) green to ochre brown, which is due to ankerite and siderite carbonate alteration. The unaltered mafic metavolcanics classify as iron to magnesia-rich tholeiitic basalts (flows and gabbroic equivalents). In un-deformed domains, the mafic metavolcanics are typically massive to pillowed flows, with extensive sheared and foliated varieties. Volcaniclastics and clastic metasedimentary inter-formational units have also been observed. The weakly metamorphosed mineralogy assemblage consists of a very-very fine to fine-grained (up to 1.0 mm in size) of chlorite ± amphibole (hornblende and actinolite) + albite plagioclase ± carbonate ± biotite ± epidote ± magnetite ± muscovite ± quartz ± sulphides. Quartz has typically very low concentrations in the mafic metavolcanics.

The mafic metavolcanics have undergone moderate to strong carbonate alteration (calcite and ankerite/siderite), particularly in the area of the chargeability IP zone (PLA-3). Accompanying the strong carbonate alteration is weak to moderate chloritic alteration. This is reflected by strong shearing within the Ridout Deformation Zone, which has transformed the mineralogy to a more carbonate-chlorite composition. Silicification has only been recognized in the inter-formation cherty tuff units, which will be described below. No higher grade metamorphic mineralogy was recognized.



PLA-3) Micro-folded Ankerite Altered Mafic Pillow Flow – 5270865N/438577E (looking west)

Mafic Intrusives - Gabbro

The mafic intrusive rocks have been intermittently mapped over the entire project area. Regionally, they comprise of 15% of the underlying rocks on the property and are generally described as melanocratic gabbro with lesser leucocratic gabbro and minor diorite derivatives. Mafic intrusive rocks were mainly observed by mapping along the Benneweis logging road and its spur roads, but a trend of mafic intrusive have been delineated in the southwestern part of the Errington grid. Regionally, Berger (2011) has documented a large, northeast trending mafic intrusive body, extending for 6 kilometers and up to 2 kilometers wide. Although mapping was limited in this area, it did show the extent of the gabbroic intrusive rocks to be correct, forming thin, multiple, east-west features in sharp contact with the Chester Intrusive Complex of granodiorite/tonalite away from this large body. The geometry of these bodies in the southeast part of the Errington grid along the Benneweis logging road form very fine-grained sheared and thin, dyke to sill-like bodies. Thickness varies from <0.5 meter to up to 50 meters wide. Parts of the gabbro may represent synvolcanic equivalents, as a hyabyssal feeder, to the coarser grained mafic metavolcanic flows observed on the property. The mineralogy and petro-chemistry between the mafic metavolcanics and gabbroic mafic intrusives are very similar.

The color of the gabbro intrusives vary from green to 'salt and pepper shaker' greenish white on weathered and with green, grayish-green to dark green as fresh surface colors (PLA-4). Local weathered surfaces show a brown coloration due to the oxidation of the ferromagnesian minerals, magnetite, or local sulphides. The gabbro is generally melanocratic, where the concentration of the ferromagnesians is greater than the plagioclase feldspar. The weakly metamorphosed mineralogy assemblage consists of a very-very fine to fine-grained (up to 1.0mm in size) of amphibole (hornblende and actinolite) + chlorite + albite plagioclase ± biotite ± quartz ± carbonate ± epidote ± magnetite ± muscovite ± sulphides. There are typically low concentrations of quartz in the mafic intrusive rocks, similar to what has been observed in the mafic metavolcanics. Although the gabbro shows very little hydrothermal alteration, there are thin sheared bodies along the northern part most northern gabbro intrusive and exhibits the strongest hydrothermal alteration along the Benneweis logging road. There is strong chlorite with variable carbonate alteration hosted in thin and strongly foliated/sheared sill and dyke-like bodies. Silicification with epidote alteration is localized to cross-cutting quartz-carbonate vein structures and local sulphide occurrences.

The gabbro typically has an equigranular texture being very-fine to fine-grained (<1.0 mm in size). The grain size generally decreases away from the irregular contact of the CIC, with chill zones reflected by very-fine grained sheared contacts. Contrary, one observes mafic rafts (gabbroic?) within the Chester Intrusive. However, it appears that the gabbro commonly cross-cuts the CIC with a number of exposures showing dyke-like features intruding into the CIC. The presence of multiple sill and dyke-like

features and chill zones point toward that the gabbro was emplaced after the granodiorite/tonalite.

There is a local occurrence on the Benneweis logging road (5268049N/445012E) of composition zonation between leucocratic and melanocratic gabbro. Both a gradational and sharp contacts between a folded/faulted leucocratic gabbro/diorite and melanocratic gabbro has been observed. The leucocratic gabbro/diorite also cross-cut the melanocratic gabbro in the form of randomly oriented thin dyke like-features.

PLA-4) Fractured to Brecciated Gabbro with cross-cutting CIC or diorite - 5268055N/4449968E (looking east); Photo taken on Benneweis logging road

Timiskaming Sediments

The Timiskaming Sediments are located in the northern part of both project areas. extending from Errington Lake to Minisinakwa Lake, located primarily in the northeastern part of the TME East Project area. The sediments trend east-west for approximately 6 kilometers, extending just east of Errington Lake to Minisinakwa Lake. They are up to 500 meters thick. The sediments form two fault bound cusp-like linear features in the western part of the Errington grid. The sediments are fault bound to the east in Minisinakwa Lake, showing sinistral strike slip displacement to the north

by the Minisinakwa Lake Fault. The Timiskaming Sediments are unique as they represent the youngest rocks in the TME Project area 2676-2685 Ma, and form the south margin of the Ridout Deformation Zone.

They commonly weather a light brown beige to creamy beige and light greenish gray color with similar fresh colors. The sediments are generally polymictic conglomerate, which is characterized by clast supported matrix dominated by CIC clasts up to 50 cm in size (PLA-5). The clasts are generally well rounded to sub-rounded, with sub-elliptical cobbles reflecting the intensity of deformation. Conglomerate is generally well sorted and shows finer grading both to the north and south. The clasts are dominated along south margin with the quartz-eye granodiorite/tonalite clasts with very little matrix. There are local laminated to bedded greywacke to argillaceous sediments within the Timiskaming Sediments, and they appear to frequent the south margin of sediments.

PLA-5) Sheared Polymictic Timiskaming Sediments (to the right) in contact with Quartz-Eye Granodiorite/Tonalite located south of Benneweis Creek

Overall, the Timiskaming Sediments have not undergone extensive deformation, exhibiting small, thin discontinuous shears. Although not well exposed, the Timiskaming Sediments becomes more deformed and altered towards the northern contact of the mafic metavolcanics.

Chemical Metasediments

Chemical metasediments are not prominent on the property and constitute < 1% of the underlying rocks. There are two distinct areas where chemical sedimentary units/horizons have been identified…

1) Mininsinkwa Lake area, located north of the Jarvis Showing
2) Northwest sector of Errington grid

In the Minisinakwa Lake area, lean silicate facies banded iron formation (BIF) and cherty tuff are intercalated with mafic volcaniclastics and pillow flows with minor arenaceous inter-flow beds. The weathered color is weakly rusty with the fresh surface color being dark gray to black color. The east-west trending horizon is up to 30 cm wide in an area of sheared and altered mafic metavolcanics up to 10 meter thick. The zone coincides with a magnetic feature that extends for 400 meters. The extent of this horizon is unknown due to thicker overburden conditions to the west and the presence of Minisinakwa Lake to the east. It is comprised of alternating laminations and bands of chlorite and magnetite-bearing chert. These BIF unit hosts 4% disseminated pyrite with < 0.5% chalcopyrite. No significant gold values were returned, with the resulting highest value of 51 ppb Au. Anomalous Cu values of 1000 ppm Cu were attained from samples in the general area.

The second area is located in the northwestern part of the Errington grid. Two small exposures are separated by 800 meters and coincide to the north margin of a series of weak to moderate chargeability zones. It appears that both these cherty exposures are on strike. The most eastern exposure on L 94+00 E / 107+37 N is a small exposure located in a swampy area and the weathered surface is rusty in color. It has undergone strong silica flooding with weak sericite alteration and is cross-cut by 5% quartz stringers. It hosts 5% disseminated and fracture-fill pyrite. Although the gold value returned a low value of 32 ppb Au, the sample did return an anomalous arsenic value of 660 ppm. The most western exposure is located on L 85+75 E / 108+50N, and consists of a strongly silicified (cherty-like) and sericite altered mafic pillow. This light colored green rock has been cross-cut by up to 5% quartz stringers and hosts up to 1% pyrite.

Mafic Intrusives – Diabase Dykes

Younger diabase dykes cross-cut all supracrustal metavolcanic and intrusive country rocks and constitute of <1% of the remaining rock type underlying the property. They generally trend from north-northwest to north direction (Matachewan) throughout the

property, with observance of a local northeast cross-cutting dyke (PLA-5). Diabase dykes are up to 20 meters wide. These dykes correlate well with the north trending airborne magnetic highs.

The dykes are greenish brown on weathered surface being greenish black, dark green to black as fresh surface colors, being mafic in composition. They are typically mafic in composition with of pyroxene + calcic plagioclase + magnetite ± amphibole ± olivine ± epidote ± ilmenite. The diabase dykes are typically moderately to strongly magnetic, with locally weak magnetic variations. Leucoxene has not been observed in any of the samples. Localized very-fine grained black-colored chill margins have been observed in a porphyritic diabase along the Benneweis logging road.

They are generally fine to medium grained, with the local porphyritic varieties exhibiting 5% coarse (up to 1 cm in size) epidote altered calcic-plagioclase. They generally become coarser grained toward the center of the intrusive. They display an ophitic/sub-ophitic to coarser equigranular texture. The contacts are inferred due to the lack of exposure on the property. Airborne magnetics along with the mapping was used to extrapolate the contacts.

PLA-6 - Cross-cutting Diabase Dykes at 5266292N/440921E (looking east)

9.1.2) Structure

Supracrustal rocks underlying the TME and Arimathaea Project areas are located in an area where the Ridout Deformation Zone (RDZ) exists. This deformation is characterized by a series of complex anastomosing shears about unaltered and un-deformed, autochonic domains. Intense tight isoclinal parasitic folding has been observed within the RDZ, particularly within the mafic metavolcanics litho-stratigraphy. Although regional fold features are not fully understood in this area, local smaller scale folding along the RDZ may reflect a series of larger regional folds. There appears to be a regional convergence in the mafic metavolcanics and intrusive rocks (gabbro) to the southwest part of project in the Benneweis Lake area, recently compiled and mapped by Berger (2011).

Bedding

Although the Timiskaming Sediments account for 5% of the rocks underlying the property, bedding measurements of older clastic metasediments and volcaniclastic inter-formational units are limited due to deformation. Thus, only a few primary bedding textures were recognized, and are best preserved in the local chemical and clastic metasediments, as well as in mafic and felsic volcaniclastic or reworked tuff units. Compositional banding, laminations, and bedding (S_0) define primary bedding. S_0 exhibits a dominant general east to east-southeast trend in the metasediments and reworked metavolcanics, with moderate to steep dips to the south. Local bedding features vary in strike from 56º to 109º and range in dip 73º to 85º to the south. Due to the complexity of the folding structures on the property, strike variations of the bedding have a wide range with local reversals in orientations which would indicate small-scale fold features, such as parasitic or drag folds, particularly in the mafic volcaniclastics and the chemical metasediments in the RDZ.

Foliation/Cleavage

Overall, there is a strongly developed penetrative, metamorphic foliation (S_1) overprint in most rock types, excluding the Matachewan diabase dykes. Both the Timiskaming Sediments and the granodiorite/tonalite display relatively weaker regional fabric. The foliation is defined by the sub-parallel elongation of platy minerals such as chlorite, biotite, sericite, and amphibole The southward dipping S_1 has a regional average strike of 84.2º, dipping sub-vertically to the south at 82.6º. Strikes vary from 8º to 132º, dipping 45º to 90º north. Table 5 summarizes the variations in average strike/dip in various parts of the TME East Project.

Although the average foliations are fairly uniform, the foliation direction and dips in the Benneweis logging road area shows a more east-northeasterly trend and relatively more shallower dips to the south. The mafic litho-stratigraphy underlying the RDZ shows the most intense and widespread shearing, reflected by chlorite-carbonate schist.

Deformation has overprinted the strongly altered CIC and Timiskaming Sediments in the area of the IP chargeability.

Table 6 – Average Foliation/Cleavage on TME East

General Area	Number	Average Strike	Average Dip
Errington Grid	120	84.7º	81.8º
Errington Lake Area	23	87.4º	85.1º
Errington Lake Area	15	269.6º	79.5º
Benneweis Logging Road	6	76.5º	81.7º
Benneweis 442500E Spur	21	81.2	84.2
Jarvis Area	57	84.7º	83.1º
Benneweis KM6-7	3	71.3º	78.7º

At least three generations of cleavage have been locally recognized in the project area; 1) east direction, 2) east-northeast direction, and 3) north direction. There are two areas where there has been a significant variation in the foliation/cleavage. The first area is located west of the northwestern part of the Errington grid, in the Errington Lake area. An antiformal structure is interpreted in this area within the mafic metavolcanics litho-stratigraphy which exhibit an east-west trending foliation/cleavage direction, dipping to the north (average of 79.5ºN). It is well illustrated in PLA-7. These tight parasitic folds of the mafic volcaniclastics rocks are moderately plunging of to the east and east-southeast. The second area is situated in the northeastern part of the project area in the Minisinakwa Lake area. North-south trending foliation/cleavage direction may represent; 1) younger S3 overprint, 2) folded S1 or S2 with convergence to the east, and 3) reflection of north strike slip displacement of the Minisinakwa Lake Fault.

Lineation and Folding

Fold axis lineation are relatively well developed in all rock types throughout the property, particularly in the tightly folded mafic volcaniclastic rocks within the Ridout Deformation Zone. The principal lineation measured and defined is a fold axis lineation in the tight parasitic folds. Lineation of stretched clasts in the Timiskaming Sediment conglomerate have been locally measured, as intersecting lineation has not been observed.

Measured lineation directions convey two main plunge direction in the RDZ; 1) eastward plunges 35º to 81º ranging in direction from 67º to 116º, and 2) westward plunges 44º to 88º ranging in direction from 262º to 285º. The RDZ has a dominant eastward plunge direction, with the western part of the map area plunging to west, reflecting perhaps the doubly plunging fold system. There are a number of northeast and southwest plunging directions measured in secondary fold systems, and may reflect a secondary generation of folding. A number of folds were observed in the west

of the Errington grid and north of Errington Lake (PLA-7). A sequence of tight upright antiformal/synformal folds have fold axes plunging moderately to the east 45° to 50°.

PLA-7 – Cross-Sectional View of Antiformal Folded Mafic Volcaniclastics Plunging 48° to 110° - 5270938N / 438110E (looking east)

Structural Lineaments

There are at least three (3) structural lineaments in both project areas. All lineaments trend in an east-west direction, with a number of northwest trending lineaments are interpreted from IVD airborne magnetics.

The first lineament is the Ridout Deformation Zone. It is characterized by a strong brittle-ductile deformation which has overprinted the mafic metavolcanics, Timiskaming Sediments, and the north margin of the Chester Intrusive. It is part of a regional zone which extends for 10 kilometers and is up to 300 meters wide as part a regional structures which extends for 120 kilometers. It shows a dextral component to shear movement with offset and displacement of Matachewan diabase dykes. The strain zone occurs as an anastomosing array of east-west shears with locally strong northwest cymoidal loops or ladder structures/connectors which connect to the north and south

margin of the RDZ. Both the east and northwest breaks have a common strong linear magnetic lows, with numerous north-northwest magnetic lows in the northeast part of the Errington grid. The east-west shears tend to follow a series of east-west recessive areas underlain by a lakes and a common linkage of streams and creeks and swamps. A weak to locally strong chargeability is coincidental to these lineaments.

The second area is located in the southern part of the Errington grid and consists of two major east-west lineaments, dubbed Calvin and Hobbes. It is located south of Ridout Deformation Zone (RDZ) and trend as two sub-parallel, east trending structures, with the Calvin Fault (north break) extending for approximately 5 km and the Hobbes Fault (south break) extending for 5.3 km. Both breaks show dextral displacement of ≤ 50m (Calvin) and 120 to 180 m (Hobbes) on north-south trending Matachewan diabase dykes. Both breaks merge/intersect at the west end of both structures. Mapping on the Errington Grid encountered extensive swampy areas along both these lineaments with very little exposure. However mapping along the Benneweis logging road intercalated sharp contacts between CIC (tonalite) and melanocratic gabbro with a recessive ravine coinciding with the strong magnetic low break. There is local silicification/chlorite fractures and shearing of the gabbro.

The third area is located in the southern part of TME East project area, just north of the Benneweis logging road. An east-southeast fault in strong localized magnetic low break with strike slip dextral displacement between 200-285 m of a series of CIC and gabbro contacts. A strongly silicified-(albitized) granodiorite/tonalite intrusive breccia coincides with the magnetic low break, where there is strong silicification and albite alteration of both matrix and clasts.

9.1.3) Mineralization and Prospecting

The mapping and prospecting program was partially successful in confirming the presence of significant sulphide mineralization. However, it was successful in delineating a favorable altered structures in and along contacts in a variety of different rock types. This may infer strata-bound implications along geological litho-contacts for gold-bearing structures.

Due to the lack of outcrop exposure, there were only a few areas that were recognized with low concentrations of sulphide mineralization. Host rock greatly varied and sulphides were found in all rock types, except diabase. The host rocks showed variable degrees of alteration and deformation, with localized fracturing. Pyrite is the dominant sulphide mineral with localized chalcopyrite and malachite stain for the most part of the property. Significant chalcopyrite mineralization with bornite-Ag sulphides were located in historical trenches on the northeastern shoreline of Benneweis Lake. The mineralization commonly occurs as very-fine grained widely scattered grains as very weak disseminations in the altered matrix, but also associated with local quartz-

carbonate stringers and veinlets. Sulphide concentrations vary from < 1% to locally 5% to 10%.

Prospecting was carried out between September 15-29, 2015 and they concentrated their efforts in two areas;

1) Errington Grid – IP chargeability zone

2) Benneweis Lake

The following is a brief summary of the more significant sulphide mineralized target areas;

Errington Grid – Quartz Stockwork

The most significant finding from the prospecting is the discovery of a quartz stockwork zone within the CIC at the Timiskaming contact. Prospecting delineated the main structure intermittently for 550 meters in an east-west direction, with southeasterly splays. Observed thickness varies from <0.2 to 5 meters wide, hosted in quartz-eye granodiorite/tonalite, close to Timiskaming sediment contact. The host wallrock has undergone moderate to strong silicification-(sericite-chlorite-carbonate) alteration with 20% to 40% cross-cutting quartz veining (PLA-8). The altered wallrock is strongly fractured and sheared and contains very little pyrite (<0.5%) with recognition of chalcopyrite and malachite at west end. The structure coincides with southern margin of chargeability zone and a weak, subtle east-west magnetic trend. Although no significant gold values were returned, a value of 240 ppb of Au was returned from an silicified and epidote altered Timiskaming sediment cross-cut by numerous quartz stringers and veinlets with minor pyrite-chalcopyrite along wallrock and vein contacts.

PLA-8 – Quartz Stockwork in Silicified Granodiorite/Tonalite – 5270505N/440319E (looking west)

Errington Grid – Chargeability Zone(s)

Most of the prospecting concentrated on explaining the chargeability zones along strike from Line 118+00E to Line 92+00 E within the mafic metavolcanics. There are three different target hosts and areas that have been scoped by some detailed prospecting….

1) The most prolific alteration envelope identified underlies an area south of the chargeability zone between L 98+00E and L100+00 E. The alteration envelope has been outlined for at least 200 meters and is up to 100 meters wide, and is open in all directions. A recessive/lake area underlies the strike extent to the east for approximately 1.6 kilometers. The alteration is hosted in the CIC, but marks the northern contact between the Timiskaming Sediments and quartz-eye granodiorite/tonalite intrusive rocks to the south. The alteration zone consists of a strongly quartz-sericite envelope with local patchy disseminated pyrite, locally up to 5%, in the sheared components in the upper part of the altered quartz-eye granodiorite/tonalite. It coincides with a series of weak to moderate magnetic low breaks in a recessive area for at least 1.6 km and moderate chargeability responses. No significant gold values and base metals were returned from this area.
2) Mapping and prospecting uncovered a number of sporadic areas within altered and deformed mafic metavolcanics. The host rock are generally mafic pillow and massive flows and volcaniclastics. These rocks have undergone strong carbonate alteration in the form of calcite and ankerite/siderite and locally chlorite alteration. Intense shearing and tight parasitic folding has also been identified within the chargeability zones. Pyrite is the dominant sulphide and concentrations are relatively low, averaging < 1% with local concentrations of up to 5%. Although a few sporadic gold values were returned, As values appear to coincide with increased gold values, as per sample 162758 which returned a value of 111 ppb Au and 4210 ppm As.
3) Mapping and prospecting uncovered two small chemical metasedimentary exposures, which are separated by 800 meters and coincide to the north margin of a series of weak to moderate chargeability zones. It appears this cherty horizon are on strike. The most eastern exposure on L 94+00 E / 107+37 N is a small exposure located in a swampy area and the weathered surface is rusty in color. It has undergone strong silica flooding with weak sericite alteration and is cross-cut by 5% quartz stringers. It hosts 5% disseminated and fracture-fill pyrite. Although the gold value is low at 32 ppb Au, the sample did return an anomalous arsenic value of 660 ppm. The most western exposure is located on L 85+75 E / 108+50N, and consists of a strongly silicified (cherty-like) and sericite altered in mafic pillow flow. This light colored green rock has been cross-cut by up to 5% quartz stringers and hosts up to 1% pyrite. No significant gold and ICP values were returned from this sample.

Jarvis Showing

The Jarvis Showing is located in the northeastern part of the TME East Project area, just west of Minisinakwa Lake. Mapping and sampling, manually cleaning up trenches, and 9.8 meters of channel sampling was completed in this area.

In 1983, Jarvis Resources drilled a number of historical pits and shallow trenches were confirmed and manually stripped of excess overburden. Two of shallow trenches were cut by channel saw. In 1983, Jarvis Resources drilled three (3) shallow drill holes totaling 151.4 meters and intersected up to 1.37 g/t Au over 3.05 meters (Table 3), In 1993 and 2006, Larry Salo followed up in 1993 and 2006 with trenching, mapping, prospecting, and carrying out VLF-EM/magnetic surveys over the showing area and its potential extension. The highlight from the sampling returned 617 ppb Au (recheck of 686 ppb Au). The showing/zone coincides with one of two VLF-EM zones, which has a strike length of approximately 1.2 km and the second zone outlined for 1.6 km (located on the south margin of the RDZ).

This area is underlain by strongly sheared, altered, and folded mafic metavolcanics and Timiskaming Sediments (at least 100 meters wide) trending in an east-west direction. The strongly altered shear consists of sericite ± carbonate and chlorite ± carbonate. Quartz veins and veinlets form as lens-like boudins, reflecting shear type features. Pyrite is the dominant mineralization and is sparse with concentrations generally <0.5% to 1%, and locally 1% to 2%. No significant precious and base metal results were attained from both grab and channel sampling. The showing area coincides with a strong magnetic linear break trending east-west, which shows dextral offset of north-northwest trending Matachewan diabase dykes.

Jarvis Area (North of Jarvis Showing)

A new mineralized structure was also uncovered north of the Jarvis Showing area, located near the shoreline of Minisinakwa Lake. It is located approximately 600 meters to the north of the Jarvis Showing. The structure has a prominent magnetic high, which trends 400 meters from the lake in a westerly direction. It marks the contact between the mafic metavolcanics/lean silicate-facies banded iron formation (BIF) to the north and the Timiskaming Sediments. The sheared structure consists of a number of chlorite-carbonate-epidote shears with quartz-(carbonate-tourmaline-epidote) veinlets and veining (up to 0.5 m wide) hosted in strongly sheared mafic pillow flows/volcaniclastics and inter-formational lean silicate-facies BIF. The shears occurs as a number of thin zones up to 5 meters wide in an overall 25 meter wide shear zone. Mineralization consists mainly of both sheared and porphyroblastic pyrite (up to 5%) as disseminations and fracture-filling. Chalcopyrite with malachite have also been recognized (<1%). Sulphides occur in both wallrock and in veining. Although no significant gold values were returned (up to 51 ppb Au), anomalous values up 1000 Cu were attained.

Benneweis Logging Spur KM6-7

A newly discovered area of sulphide mineralization has been identified by mapping and prospecting a logging spur road, located north of the Benneweis logging road. It is located in a weak magnetic low area trending east-west for approximately 200-300 meters. The strike of the zone is unknown.

It is hosted in a strongly silicified-(albite altered) granodiorite/tonalite intrusive pseudo-breccia of the CIC, and has < 1% to locally 5% very fine grained mafic or gabbroic inclusions (both intrusive breccia and silicified hydrothermal breccia). The host CIC shows patchy rust in the matrix and fractures with a bleached white and drusy grayish-white fresh color. It has undergone strong pervasive silicification-(albitization) with patchy sericite and carbonate alteration of the felsic to intermediate matrix and sub-rounded to sub-angular altered mafic clasts, giving a pseudo-breccia texture. It is clast-supported and mono-lithological with clast size up to 6 cm in size.. Sulphides occur over 30 meters in width, and form as both disseminated and fracture-fill pyrite ranging from < 1% to locally 10%. Chalcopyrite has also been observed locally <1%. It is on strike with a quartz vein blast trench to the east. Styolitic quartz veining with tourmaline was observed from the fly-rock from the trench. No sulphides were observed from the fly-rock and bedrock. No significant precious and base metal values were returned

10.0) Conclusions

The surface program was successful in prioritizing and identifying three target areas within strong magnetic low breaks, which reflect structural pathways for hydrothermal fluids along geological contacts for up to 10 kilometers in the RDZ. The three targets are;

1) Errington grid with strata-bound lode-gold targets at or near lithological contacts of mafic metavolcanics, Timiskaming Sediments, and CIC along the RDZ. Targets include the quartz stockwork structure and extensively sheared and carbonate altered mafic metavolcanics coinciding with weak to locally strong unexplained IP chargeability responses in strong magnetic low areas
2) Benneweis Logging Spur at KM 6-7 – Chester Intrusive pseudo-breccia of unknown geometry with strong silicification and presence of both disseminated and fracture-fill pyrite
3) Benneweis Lake Area – Strata-bound structures with poly-metallic mineralization hosting and following gabbro and CIC contacts

Major regional linear structures are located within a favorable geological environment and remain untested. The RDZ is the most prolific regional structure in both project areas. Although no significant sulphides, intense shearing and deformation and hydrothermal alteration of the mafic metavolcanics and Timiskaming metasediments gabbro to chlorite-carbonate and silicified tonalite returned anomalous gold values up to 240 ppb Au and arsenic values up to 4210 ppm,

The lineaments are conducive to precious metal, lode gold-bearing mesothermal mineralization. They may represent later stages of major re-activated, dilatational structures. The potential to look for dilatational, open flexures and trans-compressional folds would provide pathways and traps for auriferous hydrothermal fluid movement in this steeply-dipping and moderately to steeply plunging structure(s). The presence of iron-rich hosts (gabbro) would provide the chemical trap for gold to precipitate in the formation gold-bearing sulphides in vein and silica-'flooded' gold-bearing structures.

11.0) Recommendations

Additional exploration work is recommended in both the TME East and Arimathaea East Project areas. The recognition of three favorable target areas along geological contacts demonstrates a strata-bound potential for future gold mineralization. Future work should comprise of semi-detailed to reconnaissance mapping, prospecting, and sampling. Mechanical trenching and power-stripping of overburden along the stronger chargeability/magnetic low responses should be seriously considered on the Errington grid and Benneweis Lake area.

12.0) References

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STATEMENT OF QUALIFICATIONS – STEPHEN ROACH

I, Stephen Roach, of 47 Crantham Crescent, Stittsville, Ontario K2S 1R2, certify that;

1. I obtained a Bachelor degree in Geology from Concordia University in 1977. In addition, I attended Carleton University from 1981-83 in a Graduate Program.
2. I have worked as a geologist for more than 30 years since my graduation from university been in the practice of my profession as Exploration Geologist since 1977.
3. I am responsible for this report entitled Report of Report of 2015 Surface Exploration Program on the TME East and Arimatheae East Projects, Porcupine Mining Division, Northeastern Ontario.
4. I have no beneficial interest, direct or indirect in the TME East and Arimatheae East Project that is the subject of this report.

Dated November 1, 2015

STATEMENT OF QUALIFICATIONS – ALAN SMITH

I, Alan Smith, do hereby certify that:

1. I have been the District Manager – Exploration for Trelawney Mining and Exploration Inc., a wholly-owned subsidiary of IAMGOLD, since February, 2013.

2. I graduated with an Honors Bachelor of Science Degree in Geology from the University of Western Ontario in 1984. I completed an M.Sc. Degree in Geology at the University of Western Ontario in 1987.

3. I am a practicing member in good standing with the Association of Professional Geoscientists of Ontario (Membership Number 0201). I am also a Member of the PDAC, CIM, and OPA.

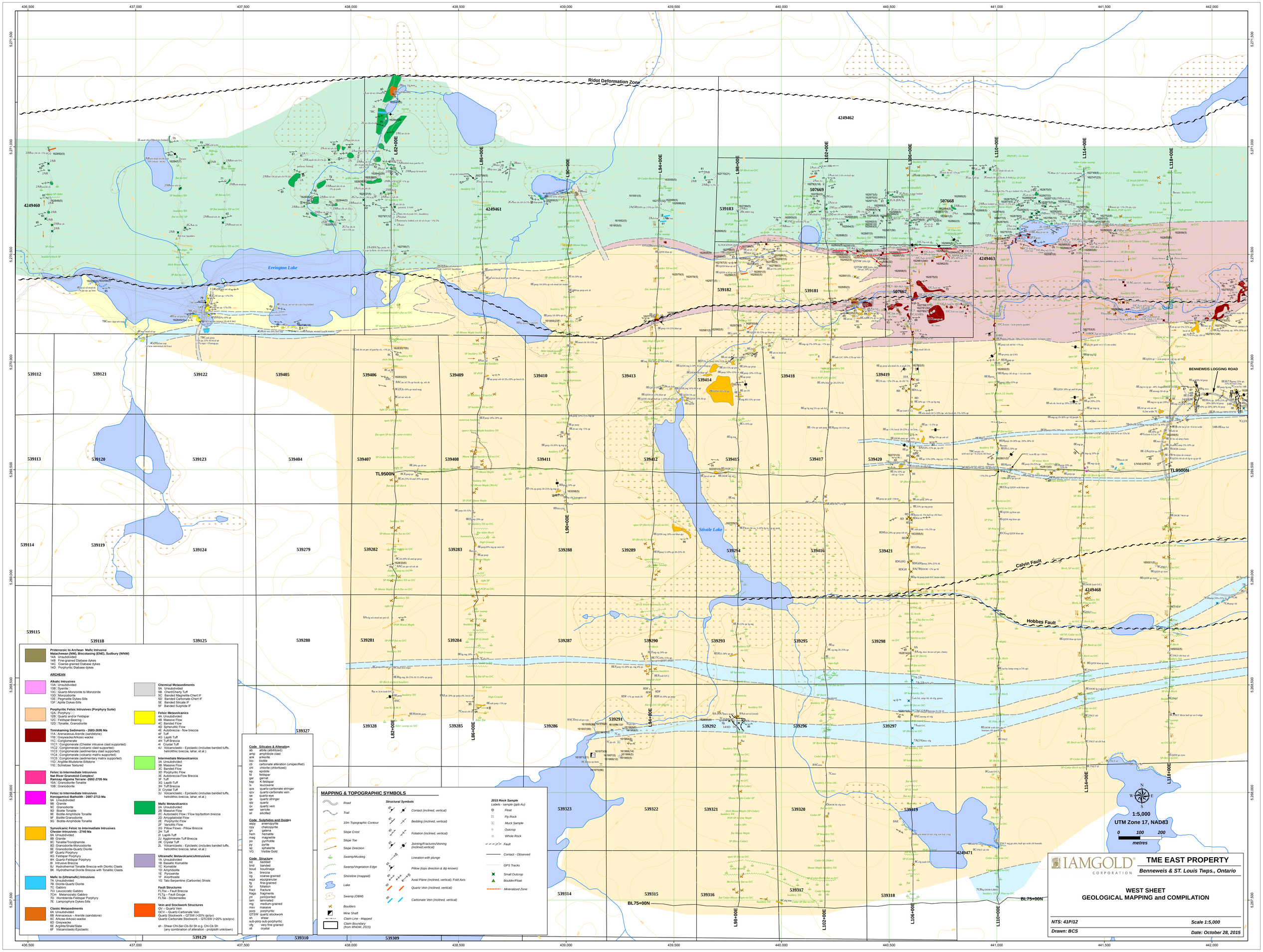
4. I have worked as a Geologist for more than 25 years since graduation from University.

5. I am responsible for the supervision of the 2015 Surface Exploration Program on the TME East and Arimatheae East Projects, and have reviewed the contents of this assessment report.

6. I have been involved in the Trelawney Mining and Exploration Inc. Côté Gold / Swayze Exploration program since February of 2013.

Dated October 31, 2015

Appendix 1



Proterozoic to Archean Mafic Intrusive Matachewan (NW), Biscotasing (ENE), Sudbury (WNW)
14A Unsubdivided
14B Fine-grained Diabase dykes
14C Coarse-grained Diabase dykes
14D Porphyritic Diabase dykes

ARCHEAN

Alkalic Intrusives
13A: Unsubdivided
13B: Syenite;
13C: Quartz-Monzonite to Monzonite
13D: Monzodiorite
13E: Pegmatite Dykes-Sills
13F: Aplite Dykes-Sills

Porphyritic Felsic Intrusives (Porphyry Suite)
12A: Porphyry;
12B: Quartz and/or Feldspar
12C: Feldspar-Bearing ;
12D: Tonalite, Granodiorite

Timiskaming Sediments - 2683-2695 Ma
11A: Arenaceous-Arenite (sandstone)
11B: Greywacke/Arkosic-wacke
11C: Conglomerate
11C1: Conglomerate (Chester intrusive clast supported)
11C2: Conglomerate (volcanic clast supported)
11C3: Conglomerate (sedimentary clast supported)
11C4: Conglomerate (volcanic matrix supported)
11C5: Conglomerate (sedimentary matrix supported)
11D: Argillite-Mudstone-Siltstone
11E: Schistose Textured

Felsic to Intermediate Intrusives
Nat River Granotoid Complex/
Ramsay-Algoma Terrane -2692-2705 Ma
10A: Granodiorite-Tonalite
10B: Granodiorite

Felsic to Intermediate Intrusives
Kenogamissi Batholith - 2697-2713 Ma
9A Unsubdivided
9B Granite
9C Granodiorite
9D Biotite Tonalite
9E Biotite-Amphibole Tonalite
9F Biotite Granodiorite
9G Biotite-Amphibole Tonalite

Synvolcanic Felsic to Intermediate Intrusives
Chester Intrusives - 2740 Ma
8A Unsubdivided
8B Granite
8C Tonalite/Trondjhemite
8D Granodiorite-Monzodiorite
8E Granodiorite-Quartz Diorite
8F Quartz Porphyry
8G Feldspar Porphyry
8H Quartz-Feldspar Porphyry
8I Intrusive Breccia
8J Hydrothermal Tonalite Breccia with Dioritic Clasts
8K Hydrothermal Diorite Breccia with Tonalitic Clasts

Mafic to (Ultramafic) Intrusives
7A Unsubdivided
7B Diorite-Quartz Diorite
7C Gabbro
7Ci Leucocratic Gabbro
7Cm Melanocratic Gabbro
7D Hornblende-Feldspar Porphyry
7E Lamprophyre Dykes-Sills

Clastic Metasediments
6A Unsubdivided
6B Arenaceous – Arenite (sandstone)
6C Arkose-Arkosic-wacke
6D Greywacke
6E Argillite/Shale/Slate
6F Volcaniclastic-Epiclastic

Chemical Metasediments
5A Unsubdivided
5B Chert/Cherty Tuff
5C Banded Magnetite-Chert IF
5D Banded Carbonate-Chert IF
5E Banded Silicate IF
5F Banded Sulphide IF

Felsic Metavolcanics
4A Unsubdivided
4B Massive Flow
4C Banded Flow
4D Spherulitic Flow
4E Autobreccia - flow breccia
4F Tuff
4G Lapilli Tuff
4H Tuff Breccia
4I Crystal Tuff
4J Volcaniclastic - Epiclastic (includes banded tuffs, hetrolithic breccia, lahar, et.al.)

Intermediate Metavolcanics
3A Unsubdivided
3B Massive Flow
3C Banded Flow
3D Porphyritic Flow
3E Autobreccia-Flow Breccia
3F Tuff
3G Lapilli-Tuff
3H Tuff Breccia
3I Crystal Tuff
3J Volcaniclastic - Epiclastic (includes banded tuffs, hetrolithic breccia, lahar, et.al.)

Mafic Metavolcanics
2A Unsubdivided
2B Massive Flow
2C Autoclastic Flow / Flow top/bottom breccia
2D Amygdaloidal Flow
2E Porphyritic Flow
2F Varioltic Flow
2G Pillow Flows - Pillow Breccia
2H Tuff
2I Lapilli-Tuff
2J Agglomeratic-Tuff Breccia
2K Crystal Tuff
2L Volcaniclastic - Epiclastic (includes banded tuffs, hetrolithic breccia, lahar, et.al.)

Ultramafic Metavolcanics/Intrusives
1A Unsubdivided
1B Basaltic Komatiite
1C Komatiite
1D Amphibolite
1E Pyroxenite
1F Anorthosite
1G Talc-Serpentine (Carbonite) Shists

Fault Structures
FLTbx – Fault Breccia
FLTg – Fault Gouge
FLTas - Slickensides

Vein and Stockwork Structures
QV – Quartz Vein
QCV – Quartz-Carbonate Vein
Quartz Stockwork – QTSW (>20% qs/qv)
Quartz-Carbonate Stockwork – QTCSW (>20% qcs/qcv)

sh - Shear Chl-Ser-Cb-Sil Sh e.g. Chl-Cb Sh
(any combination of alteration - proplolth unknown).

Code Silicates & Alteration

ab	albite (albitization)
amp	amphibole clast
ank	ankerite
bio	biotite
cb	carbonate alteration (unspecified)
chl	chlorite (chloritized)
ep	epidote
fd	feldspar
gar	garnet
kfg	K-feldspar
lx	leucoxene
qcs	quartz-carbonate stringer
qcv	quartz-carbonate vein
qe	quartz eyes
qs	quartz stringer
qtz	quartz
qv	quartz vein
ser	sericite
sil	silicified

Code Sulphides and Oxides

aspy	arsenopyrite
cpy	chalcopyrite
gn	galena
hem	hematite
mag	magnetite
po	pyrrhotite
py	pyrite
sp	sphalerite
VG	Visible Gold

Code Structure

bd	bedded
bnd	banded
boud	boudinage
bx	breccia
cg	coarse-grained
equi	equigranular
fg	fine-grained
fol	foliation
fract	fracture
frags	fragments
jnt	joint/jointed
lam	laminated
mg	medium-grained
mav	massive
porp	porphyritic
QTSW	quartz stockwork
sh	shear
sub-porp	sub-porphyritic
vfg	very fine grained
xtl	crystal

MAPPING & TOPOGRAPHIC SYMBOLS

Road
Trail
10m Topographic Contour
Slope Crest
Slope Toe
Slope Direction
Swamp/Muskeg
Swamp/Vegetation Edge
Shoreline (mapped)
Lake
Swamp (OBM)
Boulders
Mine Shaft
Claim Line - Mapped
Claim Boundary (from MNDM, 2015)

Structural Symbols
Contact (inclined, vertical)
Bedding (inclined, vertical)
Foliation (inclined, vertical)
Jointing/Fractures/Veining (inclined,vertical)
Lineation with plunge
Pillow (tops direction & dip known)
Axial Plane (inclined, vertical), Fold Axis
Quartz Vein (inclined, vertical)
Carbonate Vein (inclined, vertical)

2015 Rock Sample
Labels - sample (ppb Au)
Float
Fly Rock
Muck Sample
Outcrop
Whole Rock
Fault
Contact - Observed
GPS Tracks
Small Outcrop
Boulder/Float
Mineralized Zone

IAMGOLD CORPORATION

TME EAST PROPERTY

Benneweis & ST. Louis Twps., Ontario

WEST SHEET
GEOLOGICAL MAPPING and COMPILATION

NTS: 41P/12 — *Scale 1:5,000*

Drawn: BCS — *Date: October 28, 2015*

INSET B
DETAILED TRENCH MAPPING WEST

1:200
0 4 8
metres

JARVIS MAIN TRENCH

JARVIS WEST TRENCH

CHANNEL JAR-02

CHANNEL JAR-02 SAMPLES

Sample	Length (m)	Au (ppb)
162385	0.3	<5
162386	0.5	<5
162387	0.5	<5
162388	0.5	<5
162389	0.5	<5
162390	0.5	<5
162391	0.5	<5
162392	0.5	<5
162393	0.6	<5

INSET A
DETAILED TRENCH MAPPING EAST

1:200
0 4 8
metres

JARVIS EAST TRENCH

CHANNEL JAR-01

CHANNEL JAR-01 SAMPLES

Sample	Length (m)	Au (ppb)
162373	0.50	<5
162374	0.40	<5
162375	0.30	<5
162376	0.50	<5
162377	0.70	<5
162378	0.50	<5
162379	0.55	<5
162380	0.45	<5
162381	0.45	<5
162382	0.50	<5
162383	0.55	<5

SALO TRENCH

INSET B DETAILED TRENCH MAPPING WEST

INSET A DETAILED TRENCH MAPPING EAST

Minisinakwa Lake

BENNEWEIS LOGGING ROAD

Calvin Fault

Hobbes Fault

TL0950N

BL75+00N

L110+00E L114+00E L118+00E

4249463 4249464 4249466 4255301 4249467 4249468 4249469 4249470 4255305 4249471 4255309 4255310

Proterozoic to Archean Mafic Intrusive
Matachewan (NW), Biscotasing (ENE), Sudbury (WNW)
- 14A Unsubdivided
- 14B Fine-grained Diabase dykes
- 14C Coarse-grained Diabase dykes
- 14D Porphyritic Diabase dykes

ARCHEAN

Alkalic Intrusives
- 13A Unsubdivided
- 13B Syenite
- 13C Quartz-Monzonite to Monzonite
- 13D Monzodiorite
- 13E Pegmatite Dykes-Sills
- 13F Aplite Dykes-Sills

Porphyritic Felsic Intrusives (Porphyry Suite)
- 12A Porphyry
- 12B Quartz and/or Feldspar
- 12C Feldspar-Bearing
- 12D Tonalite, Granodiorite

Timiskaming Sediments - 2683-2695 Ma
- 11A Arenaceous-Arenite (sandstone)
- 11B Greywacke/Arkosic-wacke
- 11C Conglomerate
- 11C1 Conglomerate (Chester intrusive clast supported)
- 11C2 Conglomerate (volcanic clast supported)
- 11C3 Conglomerate (sedimentary clast supported)
- 11C4 Conglomerate (volcanic matrix supported)
- 11C5 Conglomerate (sedimentary matrix supported)
- 11D Argillite-Mudstone-Siltstone
- 11E Schistose Textured

Felsic to Intermediate Intrusives
Nat River Granotoid Complex/ Ramsay-Algoma Terrane -2692-2705 Ma
- 10A Granodiorite Tonalite
- 10B Granodiorite

Felsic to Intermediate Intrusives
Kenogamissi Batholith - 2697-2713 Ma
- 9A Unsubdivided
- 9B Granite
- 9C Granodiorite
- 9D Biotite Tonalite
- 9E Biotite-Amphibole Tonalite
- 9F Biotite Granodiorite
- 9G Biotite-Amphibole Tonalite

Synvolcanic Felsic to Intermediate Intrusives
Chester Intrusives - 2740 Ma
- 8A Unsubdivided
- 8B Granite
- 8C Tonalite/Trondjhemite
- 8D Granodiorite-Monzodiorite
- 8E Granodiorite-Quartz Diorite
- 8F Quartz Porphyry
- 8G Feldspar Porphyry
- 8H Quartz-Feldspar Porphyry
- 8I Intrusive Breccia
- 8J Hydrothermal Tonalite Breccia with Dioritic Clasts
- 8K Hydrothermal Diorite Breccia with Tonalitic Clasts

Mafic to (Ultramafic) Intrusives
- 7A Unsubdivided
- 7B Diorite-Quartz Diorite
- 7C Gabbro
- 7Ci Leucocratic Gabbro
- 7Cm Melanocratic Gabbro
- 7D Hornblende-Feldspar Porphyry
- 7E Lamprophyre Dykes-Sills

Clastic Metasediments
- 6A Unsubdivided
- 6B Arenaceous – Arenite (sandstone)
- 6C Arkose-Arkosic-wacke
- 6D Greywacke
- 6E Argillite/Shale/Slate
- 6F Volcaniclastic-Epiclastic

Chemical Metasediments
- 5A Unsubdivided
- 5B Chert/Cherty Tuff
- 5C Banded Magnetite-Chert IF
- 5D Banded Carbonate-Chert IF
- 5E Banded Silicate IF
- 5F Banded Sulphide IF

Felsic Metavolcanics
- 4A Unsubdivided
- 4B Massive Flow
- 4C Banded Flow
- 4D Spherulitic Flow
- 4E Autobreccia - flow breccia
- 4F Tuff
- 4G Lapilli Tuff
- 4H Tuff Breccia
- 4I Crystal Tuff
- 4J Volcaniclastic - Epiclastic (includes banded tuffs, heterolithic breccia, lahar, et.al.)

Intermediate Metavolcanics
- 3A Unsubdivided
- 3B Massive Flow
- 3C Banded Flow
- 3D Porphyritic Flow
- 3E Autobreccia-Flow Breccia
- 3F Tuff
- 3G Lapilli-Tuff
- 3H Tuff Breccia
- 3I Crystal Tuff
- 3J Volcaniclastic - Epiclastic (includes banded tuffs, heterolithic breccia, lahar, et.al.)

Mafic Metavolcanics
- 2A Unsubdivided
- 2B Massive Flow
- 2C Autoclastic Flow / Flow top/bottom breccia
- 2D Amygdaloidal Flow
- 2E Porphyritic Flow
- 2F Variolitic Flow
- 2G Pillow Flows - Pillow Breccia
- 2H Tuff
- 2I Lapilli-Tuff
- 2J Agglomerate-Tuff Breccia
- 2K Crystal Tuff
- 2L Volcaniclastic - Epiclastic (includes banded tuffs, heterolithic breccia, lahar, et.al.)

Ultramafic Metavolcanics/Intrusives
- 1A Unsubdivided
- 1B Basaltic Komatiite
- 1C Komatiite
- 1D Amphibolite
- 1E Pyroxenite
- 1F Anorthosite
- 1G Talc-Serpentine (Carbonite) Shists

Fault Structures
FLTbx – Fault Breccia
FLTg – Fault Gouge
FLTss - Slickensides

Vein and Stockwork Structures
QV – Quartz Vein
QCV – Quartz-Carbonate Vein
Quartz Stockwork – QTSW (>20% qs/qv)
Quartz-Carbonate Stockwork – QTCSW (>20% qcs/qcv)

sh - Shear Chl-Ser-Cb-Sil Sh e.g. Chl-Cb Sh
(any combination of alteration - protpoch unknown)

Code	Silicates & Alteration
ab	albite (albitization)
amp	amphibole clast
ank	ankerite
bio	biotite
cb	carbonate alteration (unspecified)
chl	chlorite (chloritized)
ep	epidote
fd	feldspar
gar	garnet
ksp	K-feldspar
lx	leucoxene
qcs	quartz-carbonate stringer
qcv	quartz-carbonate vein
qe	quartz-eye
qs	quartz stringer
qtz	quartz
qv	quartz vein
ser	sericite
sil	silicified

Code	Sulphides and Oxides
aspy	arsenopyrite
cpy	chalcopyrite
gn	galena
hem	hematite
mag	magnetite
po	pyrrhotite
py	pyrite
sp	sphalerite
VG	Visible Gold

Code	Structure
bd	bedded
bnd	banded
boud	boudinage
bx	breccia
cg	coarse-grained
equi	equigranular
fg	fine-grained
fol	foliation
fract	fracture
frags	fragments
jnt	jointjointed
lam	laminated
mg	medium-grained
mev	massive
porp	porphyritic
QTSW	quartz stockwork
sh	shear
sub-porp	sub-porphyritic
vfg	very fine grained
xtl	crystal

MAPPING & TOPOGRAPHIC SYMBOLS

Road
Trail
10m Topographic Contour
Slope Crest
Slope Toe
Slope Direction
Swamp/Muskeg
Swamp/Vegetation Edge
Shoreline (mapped)
Lake
Swamp (OBM)
Boulders
Mine Shaft
Claim Line - Mapped
Claim Boundary (from MNDM, 2015)

Structural Symbols
Contact (inclined, vertical)
Bedding (inclined, vertical)
Foliation (inclined, vertical)
Jointing/Fractures/Veining (inclined,vertical)
Lineation with plunge
Pillow (tops direction & dip known)
Axial Plane (inclined, vertical), Fold Axis
Quartz Vein (inclined, vertical)
Carbonate Vein (inclined, vertical)

2015 Rock Sample
Labels - sample (gpb Au)
Float
Fly Rock
Muck Sample
Outcrop
Whole Rock
Fault
Contact - Observed
GPS Tracks
Small Outcrop
Boulder/Float
Mineralized Zone

1:5,000
UTM Zone 17, NAD83
0 100 200
metres

IAMGOLD CORPORATION

TME EAST PROPERTY
Benneweis & ST. Louis Twps., Ontario

EAST SHEET
GEOLOGICAL MAPPING and COMPILATION

NTS: 41P/12 — *Scale 1:5,000*

Drawn: BCS — *Date: October 28, 2015*

TME EAST PROPERTY

Benneweis Twp., Ontario

SOUTH SHEET
GEOLOGICAL MAPPING

NTS: 41P/12 — *Scale 1:2,500*

Drawn: BCS — *Date: November 16, 2015*

IAMGOLD CORPORATION

UTM Zone 17, NAD83

1:2,500

0 50 100 metres

440,600 440,800 441,000 441,200 441,400

5,266,400 5,266,200 5,266,000

539153 4249473 4243739 4249474 4227607

8Cvfg sub-porp wk-mod qs <3cm 5% qs; 8Csil qs; 8Cvfg; 7Cmsh equi; 8Ecb x-cut 14B; 8Csil 7C dykes; 7Csil sub O/C; 8C5% py-sil-cpy; 7Csh; 8Csh; 8ACsil cb; Clear Cut; 7Ccrn clvg cb; 8Cpatchy rusty <1% py; 162835(5); 162834(5); 7contacts folded, wkk bedded 7C; 8Cchl-sh; 7Cmg qs ep; 7Csh py qs; 14ABqcs; 162816(5); 162817(5); 7A(8A)<1% py, jnts; 14Bmag; 14D<5% fd <5cm; 8C5%-10% qe; 8Csil; 8Cvfg; 7Csh-chl; 8Csil ser sh; 14AB; 162825(5); 162826(5); 162827(5); 162829(5); 162828(5); 8Csil-ser; 7Csh chl 8A contact; 8Csh sil; 7Cmg; 7Csh-chl; 7Cqs-qv; 162819(5); 162820(26); 8A(7C)qs; 162823(5); 8Asil vfg jntd qs; 8ACjntd sh bx; 8A5% po-py; 14B; 162818(5); 8Adykes; 7Cfg equi; 14Bmsv; 14A; 8Cvfg msv; 8Cvfg; 7C-8C; 7C-8C50% amp-fd; 7Cjntd; 7C-8C50% porp fd; 8Csh-ser bn cb; 8Csh 5% qe dk blue; 8Cca; 8CEsh; 162822(5); 8Csh-ser 5% qs; 8Astr sh-cb; 8C-7CA; 7po-cpy float; 7C5% qs; 162821(5); 7C(8C)rusty jnts 5% po-py str cb fract; Bouldery Till; POP Brush; 7Cfg-mg equi amp>fd

Proterozoic to Archean Mafic Intrusive
Matachewan (NW), Biscotasing (ENE), Sudbury (WNW)
14A Unsubdivided
14B Fine-grained Diabase dykes
14C Coarse-grained Diabase dykes
14D Porphyritic Diabase dykes

ARCHEAN

Synvolcanic Felsic to Intermediate Intrusives
Chester Intrusives - 2740 Ma
8A Unsubdivided
8B Granite
8C Tonalite/Trondjhemite
8D Granodiorite-Monzodiorite
8E Granodiorite-Quartz Diorite
8F Quartz Porphyry
8G Feldspar Porphyry
8H Quartz-Feldspar Porphyry
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Mafic to (Ultramafic) Intrusives
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7C Gabbro
7Cl Leucocratic Gabbro
7Cm Melanocratic Gabbro
7D Hornblende-Feldspar Porphyry
7E Lamprophyre Dykes-Sills

MAPPING & TOPOGRAPHIC SYMBOLS

Claim Boundary (from MNDM, 2015)
10m Topographic Contour
Swamp/Vegetation Edge
Swamp/Muskeg
Swamp (OBM)
Boulders
GPS Tracks

Structural Symbols
Contact (inclined, vertical)
Bedding (inclined, vertical)
Foliation (inclined, vertical)
Jointing/Fractures/Veining (inclined,vertical)
Lineation with plunge

2015 Rock Sample
Labels - sample (ppb Au)
Fly Rock
Outcrop
Small Outcrop
Boulder/Float

APPENDIX 2

Sample Descriptions – Grab Samples

HEADER							SAMPLE		Lithology			Au (ppb)	File No
Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description		
May 8,2015	Brian Tomczuk	Errington Grid	Cote -East Block	440555	5269520	414	162701	Grab	Diorite	7B	Diorite - greenish-gray color, intermediate composition with weak ser-(chl) alteration, 205 to 25% vfg fd phenocrysts and , 1% to 5% rounded qtz aggregates giving a very fine porp texture, relict weak sh/foliated, < 1% qs, < 1% py	< 5	A15-3496
May 8,2015	Brian Tomczuk	Errington Grid	Cote -East Block	440602	5269972	420	162702	Grab	Quartz-Eye Quartz Diorite	8E	Quartz-Eye Quartz Diorite - green to light greenish gray with blue quartz-eyes, intermediate composition with moderate pervasive chl and wk-mod patchy cb alteration about cg blue qe/qtz phenocrysts (<1-3 mm) up to 10%, < 1% qs, < 1% py	< 5	A15-3496
May 8,2015	Brian Tomczuk	Errington Grid	Cote -East Block	440618	5270270	386	162703	Grab	Temiskaming Sediment	11BD	Timiskaming Greywacke-Argillite - light green and greenish-white color, intermediate composition with matrix sample wk-(mod) chl-cb about detrital fd>qtz and 10% to 15% lx, wk-(mod) sh, xcut by cs/qcs < 1% to 2%, < 1% py	40	A15-3496
May 11,2015	Stephen Roach	TME	Cote -East Block	445172	5268711		162710	Grab	Gabbro	7C	Gabbro - green to grayish-green color, mafic composition with strong cb (calcite) along joints and patchy in matrix, equigranular texture and fine-grained (<, 1% to 3% cs up tp 0.1 cm wide, scattered < 1% py	< 5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445581	5270702		162711	Outcrop Grab	Sheared Mfc Volc	2B sh	Sheared fg mfc flow, foliation 99/76, pervasive carb and chl altn, qtz tourmaline vn up to 5cm w/ Py min + qtz carb vnlts observed in cut rep ~2cm wide, 1% Py Cls+Dis mineralization	< 5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block				162712				STANDARD-204	1050	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445523	5270409		162713	Outcrop Grab	Sheared Temiskaming Sediment	Chl Cb Sch, Sh Ser, 11cd	lt grey-grn alternating 2-4mm bands, fg sheared temiskaming sediment w/ pervasive Chl + Carb altn. Crenulation cleavage oriented 246/84, foliation measured 99/85, Py min vfg 1-2% along foliation plane, some irregular folded quartz veining observed 1-3cm width boudinaged, some phyllic clasts can be observed in the sediments but are very elongated/stretched	5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445587	5270805		162714	Trench Grab	Sheared Mfc Volc	Sh (2a)	grey-grn, fg, foliated 79/72, strong Chl + Cb altn, 10-15% quartz veining in sample w/ tr dis Py, small line trench west of main Jarvis, only 1mx50cm of oc exposed	< 5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445608.5	5270806		162715	Trench Grab	Sericite Schist	Sh (ser)	lt grey-grn, fg, foliated 75/vert, pervasive sil+ser, carb afp, sericitie schist along SW portion of Main Jarvis Trench	6	A15-3496

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445608.5	5270806		162716	Trench Grab	Quartz Vein	Qtz Feldspar Vn	Vein is boudinaged, milky white in clour, opague, appears barren of mineralization, wk+fracs vn matte, some ser sch wallrock in sample w/ clustered Py 1%, Trends 235/69	< 5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445608	5270808.5		162717	Trench Grab	Quartz Vein	Qtz Carb Vn	North vein sample in main Jarvis trench, along NW wall. Located approximately 2.5m up from other samples taken along wall. 7cm width Qtz-Carb w/ feldspar. No visible mineralization, Trends 228/85, Wallrock is Shrd Ser-Carb Schist	< 5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445709.5	5270809		162718		Sheared Mfc Volc	Sh (2ab)	lt grey, foliated 79/72, mod sil ser & carb altn, quartz	6	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445710	5270809.5		162719		Sheared Mfc Volc	Sh Cb (2ab)	1m N of 718 on W wall, irregular qtz carb bouding w/ chl infill along boundaries, strong shr, oxidized orng areas withing Qv, veins pinch and swell 3-5cm, tr diss Py- ADJUST UTM	5	A15-3496
May 13,2015	Andrew Shea	TME Regional	Cote -East Block	445713.5	5270808.5		162720		Sheared Mfc Volc	Sh (2b)	Sample taken on eastern wall, ribbon qtz carb vn approx 5cm width, lt grey, semi translucent w/ vfg Py, some py clustered around styolitic fracture fill chl. Some wallrock in sample fractured and chloritic mfc flow	< 5	A15-3496
May 20,2015	Andrew Shea	TME Regional	Cote -East Block	445776	5271431		162721	Outcrop Grab	Mafic Volcanic	2AL	lt grey-pistachio grn, fg, foliated 106/79, wk carb afp, perv strong ep, cm width qv at 84/75 w/ dark grn tourmaline throughout, min occuring as py+/- cpy in vn and along vn boundaries	< 5	A15-3837
May 20,2015	Andrew Shea	TME Regional	Cote -East Block	445774	5271445	366	162722	Outcrop Grab	Sheared Mfc Volc	Sh (2al)	dark grn, fg, sheared/banded, foliated 113/77, chl alt AFP, spotty carb, patchy hem stain, moderate banded epidote,	51	A15-3837
May 20,2015	Andrew Shea	TME Regional	Cote -East Block	445774	5271445	366	162723	Outcrop Grab	Quartz Vein (bull)	Qtz Vn	Approx 50 cm width bull qtz vn, trending 118/89, w/ tr Py min, wht- lt grey opaque, wall rock hosts clustered sulphide	22	A15-3837
		TME Regional	Cote -East Block				162724				Blank	< 5	A15-3837
May 20,2015	Andrew Shea	TME Regional	Cote -East Block	445787	5271425	364	162725	Outcrop Grab	Lean Silicate Facies BIF	5E	Lean Silicate Facies BIF - Dark grey, laminated, banded, silica perv (cherty), mod bt bands, mod chl bands, foliated 108/85, mineralization is layered 4% Py w/ 0.5% Cpy, Very magentic, sample taken in gossan zone approx 30cm wide.	< 5	A15-3837
May 21,2015	Andrew Shea	TME Regional	Cote -East Block	445770	5270382	379	162726	Outcrop Grab	Sheared Mfc Volc	Sh (2ab) Chl+Cb	Sheareds cl+cb altered mafic flow, sample taken from gossan area of o/c .Appearing earthy brown on weathered surface,Boudinaged QV trending 77/74 1-2cm width in sample, tr-1% Py assoc with Qtz boudins	< 5	A15-3837
May 21,2015	Andrew Shea	TME Regional	Cote -East Block	445810	5270248	376	162727	Outcrop Grab	Sheared Mfc Volc	Sh Cb	Green grey-brn(ankerite), fg, foliated 77/80, mod ser+carb altn AFP, boudinaged QV at 84 strike approx 5cm width, vein runs along FP	< 5	A15-3837

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
May 21,2015	Andrew Shea	TME Regional	Cote -East Block	445767	5270249	365	162728	Outcrop Grab	Carbonate Altered Arenite	11A	Carbonate Altered Arenite - light gray to gray color, altered siliceous composition with strong pervasive cb and moderate ser. interstitial wallrock, vfg and massive with broken quartz xtls (detrital??), < 1% qcs/qs, < 1% py	< 5	A15-3837
May 21,2015	Andrew Shea	TME Regional	Cote -East Block	445767	5270249	365	162729	Outcrop Grab	Sheared Mafic Volcaniclastic	2Lsh	Weathering: 3. Grain Size: Fg. Texture: Sheared. Alteration: Chl 2,3 shear controlled, Carb 1 weak pervasive. Veining QCS Vein %:<1. Mineralization: Py Scattered <1%. Comments: Located on Miniswakwa Lake.	< 5	A15-3837
5/22/2015	Andrew Shea	TME Regional	Cote -East Block	445374	5270484	385	162730	Outcrop Grab	Mafic Volcanic	2AB	Weathering: 1. Colour: Dark grey, green. Texture: Fol. Alteration: Carb 3 Pv. Structure : S85, D84 Foliation. Veining: Strike: Irreg, Vein Type: Calcite veining in sample, vein %: 3-14. Mineralization: Py dis 1-2%. Comments: Massive volcanic flow, dark grey with min carb stringers, fs diss py cubes scattered throughout, rusty and oxidized to S becoming more massive to north 1-2% scattered py.	< 5	A15-3837
5/22/2015	Andrew Shea	TME Regional	Cote -East Block	445763	5271430	366	162731	Outcrop Grab	Banded Mafic Volcanic Clastic	2ab	Weathing: 1. Colour: Dark grey, greenish grey. Texture fol, banded. Grainsize: Fg. Alteration: Silica 1 SPT, Chl 3 PV, Carb 2 Frac Filled. Structure: S: 89 D:88 Foliation. Veining: Quartz intrusions, minz:<1%. Mineralization: Py cls 2%. Comments: First sample taken in mfc volcanic with some mixing dikes/sills of Kenogamissi batholith dark green fine grained very chloritic some fine grainsed pyrite deceminated and clustered with minor cpy	< 5	A15-3837
22/05/2015	Andrew Shea	TME Regional	Cote -East Block	445761	5271428	366	162732	Outcrop Grab	Mafic Volcaniclastic	2LA	Comments: dark green, facture filling carb, mafic composition with chl cb alteration, minor quartz carb veining with py, strong calcite joints, veining and diss locally 2-4, 0.5-1% overall	< 5	A15-3837
5/22/2015	Andrew Shea	TME Regional	Cote -East Block	445783	5271411	364	162733	Outcrop Grab	Mafic Volcanic	2AB	Weathering: 1. Colour: Dark grey, green. Texture: massive. Grain size: Fg. Alteration: Chl 2 PV. Veining: carbonate epidote chlorite bands, vein % 1-2, minz: <0.5%, width <0.7. Structure: S87 D90 Foliation. Mineralization: Py fact cont 0.25-0.5%. Comments: Small frac cont clusters of py.	< 5	A15-3837

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
5/27/2015	Andrew Shea	TME Regional	Cote -East Block	445710.5	5270811		162734	o/c trench	Mafic Volcanic	2a	Weathering 2. Colour: dark green. Texture: sheared. Grain size: fine grained. Alteration: Chl 3 pv, Carb 2 along vn. Veining: AFP, vein type Qtz, carb, vein%:1, Minz:Py 3%, vein width 1-2 cm. Mineralization: Py Cls 0.5-1%. Comments: Sample taken along top NW corner of Salo Trench. 1-2 cm width white opaque quartz carb vein in chloritic schist vein appears oxidized on surface and contains scattered py vein boutinage present accross outcrop sample 40% vein at 60% host.	6	A15-3837
5/27/2015		TME Regional	Cote -East Block	445712.5	5270810.5		162735	o/c trench	Chlorite+carb schist		Weathering: 2. Colour: light green. Texture: Shear. Grainsize: Fg. Alteration: Chl 3 AFP, Carb 3 AFP. Veining AFP Qtz Vein 3cm width. Mineralization: py dis trace. Comments: Sample taken in Salo trench within Jarvis Shear Zone sample is oversized quartz with chl and carb alterated host. py cubes diceminated in host. Vein is quite oxidized pinch and swells largest at approx 3cm	< 5	A15-3837
		TME Regional	Cote -East Block				162736				STANDARD-206	2170	A15-3837
5/27/2015	Andrew Shea	TME Regional	Cote -East Block	445612	5270810.5		162737	Outcrop Grab	Sh Quartz Vein		Weathering: 1. Colour: white opaque. Grainsize: fg. Alteration: Silica 3, Ser 2 Forming as sinuous seams, carb 1. Veining: S70 D90, vein: QC vein 20%, Minz: tr, vein width 10cm. Mineralization: Py dis trace	< 5	A15-3837
5/27/2015	Andrew Shea	TME Regional	Cote -East Block	445613	5270818		162738	o/c trench	Sericite Schist		Weathering: 1. Colour: Grey-green. Alteration: Ser 3 pv, chl 2 pv, carb 2 vn. Veining: S65 D90,type: qtz c, vein%: 3-5, Minz: Py,cpy 1-2% vein width 4cm. Mineralization: Py cls 1-2%, Cpy dis trace.	< 5	A15-3837
5/27/2015	Andrew Shea	TME Regional	Cote -East Block	445414	5270778		162739	o/c trench			Weathering: 3. Colour: Beige. Texture: Fol. Alteration: Ser 3 PV, Carb 2, Hem 2. Strucutre: S82 D85 foliation. Mineralization py occasional 1%. Comments: Line trench, ser schist but rotted down 5-8cm, 3m exposure in trench.	< 5	A15-3837
5/29/2015	Andrew Shea	TME Regional	Cote -East Block	495926	5270177	357	162740	Outcrop Grab	Mafic Volcanic		Weathering: 1. Colour: Dark grey-green. Texture: massive. Grain size: fg. Alteration: silica 2 pv, chl 1 pv. Mineralization: Py dis 1-2%. Comments: Sample of oxidated area of o/c N of Beneweis bay. Massive mfc volcanic, py cubes 1-2%.	672	A15-4064

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
29/05/2015	Andrew Shea	TME Regional	Cote -East Block	445887	5270128	356	162741	Outcrop Grab	Temiskaming Sediment		Weathering: 2. Colour: green, brown. Texture: foliated. Grain size: Fg. Alteration: Ser 3 PV, Carb 3 PV, Comments: inter and mafic comp of clasts. Veining: Qu, vein %: 1-2, vein width 4cm. Mineralization: Py dis trace. Comments: Sampled sheared Tm Seds near N conduct to MV. Sample 35% Qu 65% wallrockm could not get fol'n	**< 5**	A15-4064
5/29/2015	Andrew Shea	TME Regional	Cote -East Block	445969	5270002	358	162742	Outcrop Grab	Temiskaming Sediment		Colour: Red, brownish green. Texture: Foliated. Grain Size: Fg. Clast Size up to 10cm. Alteration: Hem 2,3 PV. Clasts of Chester, intrusive quartz. Structure: S120 D88 foliated. Comments: Sample taken from oxidized portion of o/c in South Beneweis bay on Minisinakwa lake, conglamerant with weak to monderate foliation.	< 5	A15-4064
5/29/2015	Andrew Shea	TME Regional	Cote -East Block	446037	5269899	362	162743	Outcrop Grab	Mafic Volcanic		Weathering: 1. Colour: dark green. Texture: massive. Grain Size: Fg. Alteration: Chl 2 PV, Ep 1-2. Mineralization: Py dis 1%. Comments Pyrite cubes diss throughout.	< 5	A15-4064
5/29/2015	Andrew Shea	TME Regional	Cote -East Block	446084	5269743		162744	Outcrop Grab	Quartz-Eye Quartz Diorite	8E	Weathering: 1. Colour: light gray. Texture: Massive. Grain Size: Mg. Alteration: Silica 2 PV, Chl 2 frac filled. Comments: porpheritic texture. Veins: crackle veins. Mineralization: py occasional 0.5%. Comments: #####Stephen#####	< 5	A15-4064
30/05/2015	Stephen Roach	TME Grid	Cote -East Block	444564	5268615	390	162745	Outcrop Grab	Gabbro	7C	Sheared and Fractured Gabbro - green and grayish-white fresh color, mafic composition with strong fracture-fill cb (calcite) and 5% vfg whitish-tan lx, wk sil associated with veining, 10% to 15% cs (<5 cm wide) trending $9^o/50^oE$, foliated/sheared $9^o/90^o$, <1% to 2% scattered py in calcite veining and < 0.5% cpy in veining	< 5	A15-4064
30/05/2015	Stephen Roach	TME Grid	Cote -East Block	444540	5268601	391	162746	Outcrop Grab	Gabbro	7C	Gabbro - green fresh color, mafic composition being melanocratic, mod ab associated with ep-py and mod ep fractures, <5% qcs up to 5 cm wide striking $270^o/67^oN$, <1% to 5% py as disseminations in wallrock and associated with fractures with ep-ab, weak to moderately magnetic with < 1% to 2% magnetite	< 5	A15-4064
5/31/2015	Andrew Shea	TME Regional	Cote -East Block	441413	5270865	400	162747	Outcrop Grab	Mafic Volcanic	2a	Weathering: 2. Colour: Dark Grey, green. Texture: Massive. Alteration: Chl 2 PV Carb 2 AFP. Mineralization: Py dis trace. Structure: S69 D88 foliation. Veining S216 D67 Qtz, Carb, Cal.	23	A15-4064
							162748				Blank	< 5	A15-4064
5/31/2015	Andrew Shea	TME Regional	Cote -East Block	441413	5270873	400	162749	Outcrop Grab	Quartz Vein	QV	Quartz Veinlet - 7 cm width qtz, carb vein with chl infill in styolitic fracturing, several mm up to cm width seams, high carb content reacting strongly with HCl.	8	A15-4064

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5/31/2015	Andrew Shea	TME	Cote -East Block	441461	5270665	406	162750	Outcrop Grab	Timiskaming Argillite / Sericite-Chlorite Schist	SHser-chl/11A	Weathering: 3. Colour: light grey, green. Texture: Foliated-schistose. Grain size: Fg. Alteration: Ser 3 AFP, Chl 3 AFP, Carb 2 PV. Structure: S105, D 85 foliation. Mineralization: Py dis 1%. Comments: schistose mfc volcanic with strong chl, carb alt with 3-4mm qtz units with cls py 1% overall some oxidization	8	A15-4064
5/31/2015	Andrew Shea	TME	Cote -East Block	441462	5270662	406	162751	Outcrop Grab	QFP	8h	Comments: light grey, silica flooded, QFP, scattered py cubes approx 0.5%. Fractured texture.	< 5	A15-4064
5/31/2015	Andrew Shea	TME	Cote -East Block	441965	5270665	406	162752		Qtz Vein	QV	Colour: White, brown oxidized areas. Alteration: silica 3 PV. Vein: qtz plus minor carb. Mineralization: Py C15 5%.	8	A15-4064
5/31/2015	Andrew Shea	TME	Cote -East Block	441395	527039	397	162753	Outcrop Grab	Temiskaming Sediment	11B	Colour: light green, grey. Texture: Fol. Grain size: Fg. Clast size: 4mm-1cm. Alteration: Chl 2 spt, hem 2 spt. Vein: Irreg, quartz, 2-3%. Structure: S60, D84 foliation.	< 5	A15-4064
6/1/2015	Andrew Shea	TME	Cote -East Block	441080	5270568	406	162754	Outcrop Grab	Temiskaming Sediment	11C	Weathering 1. Colour: light green. Texture: foliated. Grain size: fg. Clast size: up to 10 cm. Alteration: Chl 2 margin, Hem 1 Pv. Vein: strike irreg, quartz, Minz:py, vein width 3-4cm. Structure: S 83 D 90. Mineralization: py, cls 1%. COMMENTS: Temiskaming Conclomerate with elongated clasts, Sample 60% QV with clustered Py along boundary to wall rock.	5	A15-4064
06/01/2015	Andrew Shea	TME	Cote -East Block	441093	5270586	406	162755	Outcrop Grab	Temiskaming Sediment	11C	Weathering: 2. Colour: Light green. Texture: fol, shear. Grain Size: fg. Clast Size: 8cm elongated. Alteration: Chl 2 PV, Hem 2 Vn. Vein: S82 D88, Quarts carb vein, Minz: Py 1%, 5cm. Structure : S82 D88 foliation. Mineralization: Py Cls 1%. Comments: Sample is on west shore of lake sample is oxidized QV with oxidized Py.	**8**	A15-4064
06/01/2015	Andrew Shea	TME	Cote -East Block	441210	5270669	405	162756	Outcrop Grab	Timiskaming sediment	11C	Weathering: 3. Colour: light grey green. Texture: shrd. Alteration: Ser 3 AFP, Carb 3 PV. Structure S85 D88 shearing. Veining S 85 D 88 quartz carb 3cm. Mineralization: Py dis 0.25%. Comments: Sample of gossanous sheared temiskaming seds w/ minor qvs	10	A15-4064
06/01/2015	Andrew Shea	TME	Cote -East Block	441078	5270594	404	162757	Outcrop Grab	Temikaming Sediment	11D	Calcareous argillite w/ carb banding, strong shearing 85/88, <1% ***Stephen***	< 5	A15-4064

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02/06/2015	Stephen Roach	TME	Cote -East Block	440705	5270238	406	162758	Outcrop Grab	Sheared Temiskaming Conglomerate	11C4	Sheared Timiskaming Conglomerate - light brown and green rusty brown weathered and fresh colors, intermediate composition with strong sil sh-controlled and mod ab along with wk sericite, anastomosing thin shear up to 0.6 m wide striking 73°/75°S, < 1% qs, scattered to weakly disseminated 2% py and aspy or arsenian pyrite??	111	A15-4064
06/02/2015	Andrew Shea	TME	Cote -East Block	440596	5270657	402	162759	Outcrop Grab	Mafic Volcanic	2g	Weathering: 2. Colour: Dark green. Texture: fol. Grain size: Fg. Alteration: chl 1 afp, Carb 2 AFP. Structure: S #####75 D 29### foliated. Comments:####Andrew####	< 5	A15-4064
			Cote -East Block				162760				STANDARD-5016	247	A15-4064
06/03/2015	Andrew Shea	TME East	Cote -East Block	440670	527066		162761	Outcrop Grab	Mafic Volcanic	2G	Weathing: 1. Colour: Dark Green. Texture: Foliated. Grain Size: Fine Grained. Alteration: Carb: 2 (PV.). Structure: Foliation (S: 90, D:82). Mineralization: Py Dis + Cls 1-2%.	**<5**	A15-4064
06/03/2015	Andrew Shea	Tme East	Cote -East Block	440191	5270767	412	162762	Outcrop Grab	Mafic Volcanic	2AG	Weathing: 2. Colour: Green. Texture: Sheared. Grain Size: Fg. Aleration: Ser: 2 FP. Carb: 3 PV. Veining: Strike: Irreg, Vein Type: Calcite, Vein%: 3 locally. Mineralization: Py Dis 1-2%. Structure: S: 94, D: 84, Foliatied	< 5	A15-4064
01/03/2015	Andrew Shea	TME East	Cote -East Block	440189	5270828	412	162763	Outcrop Grab	Mafic Volcanic	2G	Weathering: 2. Colour: Dark Green. Texture: Sheared. Grain Size: Fg. Aleration: Chl: 2 FP, Carb 2 PV. Structure: S:75, D:84, Foliated. Mineralization: Py Dis 0.5%	18	A15-4064
06/03/2015	Stephen Roach	Tme East	Cote -East Block	440364	5270064	395	162764	Outcrop Grab	Timiskaming Conglamerate	11C1	Colour: Greyish Green. Texture: Clast Supported. Clast Size: Up to 30cm. Grain Size: Fg. Structure: S:74, D:85 Shearing. Alteration: Silica 1 WK interstital, Carb: 3 strong pervasive. Veining: occasional quartz vein %: <1. Mineralization: Py occasional %0.5	< 5	A15-4064
06/13/2015	Stephen Roach	TME	Cote -East Block	439833	5270154	389	162765	Outcrop Grab	Quartz Vein	QV	Weathering: 1. Colour: White with blemish GN. Texture: inclusion vein bull white. Aleration: Silica 3. Alteration Comments: weak to moderate fractures 5% Chlorite WR rim. Structure: S 59, D 90 Jointing. Veining: S:59,D:90, Vein type: Qu, Vein%: 95, Minz: 2 0.5%, Vein Width 9cm. Mineralization: Py Barren 0.5%.	<5	A15-4514

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06/13/2015	Stephen Roach	Tme East	Cote -East Block	439814	5270416	398	162766	Outcrop Grab	Quartz Diorite/Sheared Quartz Sericite Ankorite	8E	Weathering: 1,2. Color: Brown Creamy Buff colour buff service, greyish white fresh colour. Texture: Strongly: SH. Grain Size: Fg. Alteration: Silica 3 Strong SH pervasive, Ser 3 Strong SH pervasive, Carb 2 local Veining: Vein Type: OS, Minz: <1%. Structure 1: S:262 D: 84, Shearing. Mineralization: Py <0.5%. Comments: Strongly altered intermitiate compession with strong sil < ser < ank. Strongly Sheared <5% QS <5% Py	<5	A15-4514
06/13/2015	Stephen Roach	TME East	Cote -East Block	439796	5270456	401	162767	Outcrop Grab	SH/Hem Quartz Diorite	8Ehem-sh	Weathering: 2. Colour: Bn Hen Weather Surface. Texture: #####. Grain Size: Fg,Mg 0.05-.20 cm Qu. Alteration: Silica 1-2 Wk-Mod SH, Ser 2 Mod-Str SH, Comments: 5 to 7% OE> FR Strongly Sheared Ser interstitial. Structure: S96 D80. Mineralization: Py <0.5. Veining 1: Minz<0.5%	<5	A15-4514
06/13/2015	Stephen Roach	Tme East	Cote -East Block	439803	5270496	401	162768	Outcrop Grab	Quartz Diorite	8E	Weathering: 1,2. Colour: Rusty weatherd colour, greyish green white fresh colour. Texture: . Serr 3 Style#### Comments: ####. Veining: QS. Stucture: S:84 D:81. Mineralization: Py barren <0.5%.	**<5**	A15-4514
06/13/2015	Stephen Roach	TME East	Cote -East Block	439796	5270710	414	162769	Outcrop Grab	Fractured & Carbonate Altered Mafic Flow	2Bfcb-fract	Fractured & Carbonate Altered Mafic Flow - brownish-green weathered and light green fresh colors, altered mafic composition with strong matrix/fracture-fill cb (clacite), vfg and massive non-foliated but mod crackle fracturing, 5% to 10% random oriented calcite fractures, occassionl < 1% py	<5	A15-4514
06/13/2015	Stephen Roach	TME East	Cote -East Block	439693	5270861	419	162770	Outcrop Grab	Sheared and Carbonate Altered Mafic Flow	2Bcb-sh	Sheared and Carbonate Altered Mafic Flow - brownish-green weathered color and greenish-white fresh colors, alterd mafic composition with strong pervasive cb (calcite) in matrix and as fracture-fill in cs (5%), calcite stringers have epidote and are up to 5 cm wide, qcs/cs parallel to sh and form as lenses and pods, sh striking 88°/85°S	21	A15-4514
06/13/2015	Stephen Roach	TME East	Cote -East Block	439437	5270737	414	162771	Outcrop Grab	Cherty Tuff/Silicified-Fractured Mafic Flow	5B/2Bsil-fract	Cherty Tuff/Silicified-Fractured Mafic Flow - rusty brownish weathered surface and bleached white to grayish-white fresh colors, strong sil flooding of matrix with weak sericite alteration, 5% qs with black tour (< 1% to 5%) with stringers up to 1 cm wide, moderately sh 88°/84°S, ≤1% to localized 5% disseminated and fracture-fill py and < 0.5% cpy	32	A15-4514
06/13/2015	Stephen Roach	Tme East	Cote -East Block				162772				Blank	<5	A15-4514

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14/06/2015	Stephen Roach	TME East	Cote -East Block	439408	5270211	406	162773	Outcrop Grab	Sericitic-Chloritic Quartz-Eye Quartz-Diorite	8Eser-chl	Chloritic-Sericitic Quartz-Eye Quartz-Diorite - grayish-brownish-white weathered color and light green fresh color, intermediate composition with local sil asssociated with xcutting qs and moderate to locally strong ser-chl with ser interstitial, <1% to 5% qs, occassional py < 1%	<5	A15-4514
15/06/2015	Andrew Shea	Tme East	Cote -East Block	444998	5268057	382	162774	Outcrop Grab	Gabbro	7C	Colour: Dark Grey-green. Texture: massive. Grain size: Mg. Alteration: Ep 2 Spt. Mineralization:Py dis 0.2%. Comments: Sample taken in gabbro w/ compositional banding and some tensional quartz veins taken at oxidized brownish area of outcrop medium grained gabbro with trace pyrite banding trending apporx. 40 degrees	<5	A15-4514
15/06/2015	Andrew Shea	240	Cote -East Block	445167	5269272	392	162775	Outcrop Grab	Gabbro+QV	7A	Sheared fg-mg gabbro, dark grn-oxidized brn, pervasive chlorite alt and iron carbonate along shr planes. Cloudy Grey Quartz+Tourmaline vein 3-5cm wide w/ up to 1% Py. Sampled 65% Vn and 35% Wallrock	<5	A15-4514
15/06/2015	Andrew Shea	240	Cote -East Block	445164	5269222	392	162776	Outcrop Grab	Gabbro+QV	7A	Chloritic Shear w/ iron carbonate and minor quartz veinlets, 25% vein material & 75% host. Approx 2% fine grained clustered Py with up to 5% locally in small Q Vnlt hosted clusters	**5**	A15-4514
15/06/2015	Andrew Shea	240	Cote -East Block	445164	5269222	392	162777	Loose Grab	Gabbro+QV	7A	Loose chunk on edge of outcrop beside previous sample, 5-10% Clustered Py+Cpy	<5	A15-4514
19/06/2015	Andrew Shea	240	Cote -East Block	439787	5269238	386	162778	Outcrop Grab	Quartz Diorite	8E	Dark green, medium grained QDR with coarse blue quartz eyes hosts 5cm width Qtz vn w/ chlorite seams @210/84 orientation, Qtz is white opaque and contains no visible mineralization.	<5	A15-4647
20/06/2015	Andrew Shea	240	Cote -East Block	439826	5270026	390	162779	Outcrop Grab	Quartz Diorite	8E	Dark green, medium grained QDR with coarse blue quartz eyes host, 3cm width Qtz vn @60/88 orientation, Qtz is white opaque w/ some brownish oxidation, hosted in chloritic shear. Sample dominantly QV w/ some host	<5	A15-4647
21/06/2015	Stephen Roach	240	Cote -East Block	440707	5270234	395	162780	Outcrop Grab	Temiskaming Conglomerate	11C	Timiskaming Conglomerate - patchy rusty brown weathered and greenish-gray fresh color, intermediate composition with clast supported rnded clasts up to 5 cm in size in a vfg matrix, mod sil-ser associated with strong shear, at contact between NE ($52^o/90^o$) and ENE ($78^o/74^o$) shears, up to 1% to 2% qs, weakly disseminated and patchy 1% to 3% py in altered sheared wallrock	7	A15-4647

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21/06/2015	Stephen Roach	240	Cote -East Block	440696	5270228	391	162781	Outcrop Grab	Temiskaming Conglomerate	11C	Timiskaming Conglomerate - dirty brown & patchy rusty weathered and greenish-gray fresh color, intermediate composition with clast supported rnded clasts up to 5 cm in size in a vfg matrix, local sil flood/veining and shear-controlled ser, moderately sheared/fracture cleavage striking 78°/81°S, <1% to 2% qs, weakly disseminated and patchy 1% to 2% py in sheared wallrock	50	A15-4647
22/06/2015	Andrew Shea	240	Cote -East Block	439920	5270474	398	162782	Outcrop Grab	Sericite Schist	Sh (Ser Sch)	lt grn, shrd w/ strong pervasive Ser and Carb altn. Shearing is oriented 90/82, 1-2% mineralization, disseminated+clustered Py	<5	A15-4647
22/06/2015	Andrew Shea	240	Cote -East Block	439893	5270467	394	162783	Outcrop Grab	Sericite Schist	Sh (Ser Sch)	lt grn, shrd w/ strong pervasive Ser and mod Carb altn. Shearing is oriented 74/85, 0.5-1% mineralization, disseminated Py	<5	A15-4647
	Andrew Shea	240	Cote -East Block				162784				Standard-504	1436	A15-4647
22/06/2015	Andrew Shea	240	Cote -East Block	439876	5270526	396	162785	Outcrop Grab	Quartz Diorite?	8	Dark green intensely silicified, moderate carbonate, trace dis fg Py, On North Edge of alteration zone	<5	A15-4647
22/06/2015	Andrew Shea	240	Cote -East Block	439931	5270452	395	162786	Outcrop Grab	Quartz Diorite	8E	grey-green massive med grained QDR w/ moderate chlorite and carbonate altn, 5cm QV oriented 158deg, minor tr py, 80% wallrock, 20% Vn	<5	A15-4647
23/06/2015	Andrew Shea	240	Cote -East Block	442146	5270335	379	162787	Outcrop Grab	Temiskaming Conglomerate	11c	green fg matrix w/ clasts up to 30cm, sample taken of Qtz vn w/ chloritic seam, mineralization in the is approximately 0.5-1%. Cluster of Py+Cpy w/ malachite. Vein lacks a constant bearing	<5	A15-4647
23/06/2015	Andrew Shea	240	Cote -East Block	442170	5270351	379	162788	Outcrop Grab	Temiskaming Conglomerate	11c	green fg matrix w/ clasts up to 30cm, sample taken in chloritic shear zone oriented 104/83, containing tr fg Py	<5	A15-4647
23/06/2015	Andrew Shea	240	Cote -East Block	442170	5270351	379	162789	Outcrop Grab	Temiskaming Conglomerate	11c	lt green fg matrix w/ clasts up to 30cm, sample of shear proximal to QV, has scattered fg py 0.5-1%, Shearing oriented 80/78, QV oriented 80/vert with 5cm width	34	A15-4647
23/06/2015	Andrew Shea	240	Cote -East Block	442170	5270351	379	162790	Outcrop Grab	Temiskaming Conglomerate	11c	green fg matrix w/ clasts up to 30cm, sample taken of matrix with chlorite altn and spotty hematite, 0.5-1% scattered fg Py, foliated 82/80	7	A15-4647
24/06/2015	Andrew Shea	240	Cote -East Block	441992	5270146	401	162791	Outcrop Grab	Quartz Diorite	8E	green massive, med grn w/ cg blue qtz, chloritic fractures, mnr qtz veining approx 2cm width at 260/85, 1% diss Py and tr cpy	124	A15-4647
24/06/2015	Andrew Shea	240	Cote -East Block	442022	5270191	416	162792	Outcrop Grab	Quartz Diorite	Shr(8e)	grey, sheared QDR, intense ser altn, mod sil, spotty biotite, shear oriented 80/79, trace aresonpyrite, proximal to Chester-Tem Sed contact, S of Benneweis Creek	<5	A15-4647

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24/06/2015	Andrew Shea	240	Cote -East Block	442006	5270165	401	162793	Outcrop Grab	Quartz Diorite	8E	sample taken in intensely silicified quartz diorite, no visible min, veining proximal	<5	A15-4647
24/06/2015	Andrew Shea	240	Cote -East Block	441937	5270177	392	162794	Outcrop Grab	Quartz Diorite	Shr (8E)	sheared 8E oriented 267/87, grey-grn, fg, intense sericite and moderate silica flooding, 2cm width qtz vn along shear, 0.5% mineralization, dis+cls Py in wallrock	<5	A15-4647
04/07/2015	Andrew Shea	240	Cote -East Block	438210	5270523	396	162795	Sub-Outcrop to Outcrop Grab	Chlorite Schist / Mafic Unsubdivided	SHchl-2A	Mafic Metavolcanic Unsubdivided - Chlorite Schist - green weathered and fresh color, altered mafic composition being strong and pervasive chl alteration with moderate patchy hem, also moderate muscovite, strongly sh texture with primary textures obliterated, strike 88°/85°S, occassional <0.5% py	7	A15-5097
04/07/2015	Andrew Shea	240	Cote -East Block				162796				Blank	5	A15-5097
04/07/2015	Andrew Shea	240	Cote -East Block	438195	5270673	417	162797	Outcrop Grab	Sheared Mafic Volcaniclastic/Chlorite-Sericite Schist	2L/SHchl-ser	Sheared Mafic Volcaniclastic (Chlorite-Sericite Schist) - grayish-green weathered and fresh color, strongly altered mafic composition with strong pervasive ser-chl and moderate carbonate (calcite) alteration, strongly sh texture, < 1% cs/qcs, scattered vfg 2% to 3% scattered py	12	A15-5097
04/07/2015	Andrew Shea	240	Cote -East Block	437746	5270159	384	162798	Outcrop Grab	Felsic Volcaniclastic	4JF	Felsic Volcaniclastic-Tuff - green to grayish-green color, felsic to (intermediate) composition being fine-grained, foliated 80°/82°S, < 1% qcs, scattered to weakly disseminated 3% to 4% py	18	A15-5097
05/07/2015	Andrew Shea	240	Cote -East Block	438575	5270854	418	162799	Outcrop Grab	Silicified-Sericitic Mafic Flow	2A-5B	Silicified (Cherty)-Sericitic Mafic Flow - light green color, strongly altered mafic composition with strong pervasive ser and patchy flooded sil in matrix and veining, irregular qs < 1% to 2 cm wide < 5%; foliated/sheared 025°/87°E, scattered vfg py in matrix and in qcs along contacts ≤1%	<5	A15-5097
05/07/2015	Andrew Shea	240	Cote -East Block	438901	5270756	402	162800	Outcrop Grab	Sheared Mafic Flow/Unsubdivided (Carbonate-Chlorite Schist)	2A-SHcb-chl	Sheared Mafic Flow (Carbonate-(Chlorite) Schist) - dark green to green color, strongly altered mafic composition with strong carboante (calcite) with chlorite; strongly sheared 96°/85°S, < 1% qcs, 1% to 2% patchy fine-grained py	5	A15-5097

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06/07/2015	Colin Dunham	240	Cote -East Block	440998	5269564	437	162801	Outcrop Grab	Diorite-Gabbro	7BC	Diorite/Gabbro - greenish brown weathered color and green fresh surface color, mafic to (intermediate) composition with moderate, pervasive chl and fracture-fill carbonate/calcite; 5% quartz with chlorite fractures and rims up to 0.25 m wide trending 40°/90°, foliated/sheared 61°/45°S	<5	A15-5097
06/07/2015	Colin Dunham	240	Cote -East Block	440997	5269954	436	162802	Outcrop Grab	Chloritic & Sheared Quartz-Eye Diorite	8Echl-sh	Sheared and Chloritic Quartz-Eye Diorite - green weathered and fresh color, strong intermediate composition with strong chl shear and fracture zone with 5 to 10% qs up 10 cm wide, qs is boudinaged with chl fractures and rims about qs, foliated/fractured 68°/46°S, barren to < 0.5% py	<5	A15-5097
09/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442109	5269847	404	162803	Outcrop Grab	Quartz Vein	QV	Quartz Vein - white to medium gray color, quartz composition being vfg and weakly to moderately fractured vn matte, < 1% py-cpy near contact. Strikes 60°/85°S and is up to 5-10 cm wide as part of a QTSW up to 1.5 m wide	8	A15-5404
09/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442587	5269142	403	162804	Outcrop Grab	Quartz Vein	QV	Quartz Vein - white to light gray color, quartz composition with chl clots and <5% tonalite inclusions being sil-chl, <1% py. Strike 90° and is 25 cm wide as part of a 1.5 wide QTSW	<5	A15-5404
09/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442586	5269141	403	162805	Outcrop Grab	Quartz Stockwork /Fractured Tonalite	8CE	Quartz Stockwork/Fractured Tonalite - gray color, strongly altered felsic to intermediate composition with mod pervasive sil and chl, relict sub-porp texture, fractured with 50% of qs, < 1% py	6	A15-5404
10/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	439783	5268336	410	162806	Outcrop Grab	Tonalite/ Quartz-Diorite	8CE	Tonalite/Quartz-Diorite, medium grey color, equi-granular texture, moderate pervasive silica and chlr alteration, moderate shearing 085/90. sample is 5% Qz vein, 4cm wide, parallel to shearing. Diabase south of of sample, trending 095/85.	6	A15-5404
11/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442525	5269482	424	162807	Outcrop Grab	Gabbro	7C	Gabbro, sub outcrop, dark green color, massive texture, weak Chl alteration. gabbro-tonlaite contact, fault gauge 1m wide. Wispy/Stringer Qz+carb veinlets 1-3mm, hosting trace Py, Cpy, Malachite	7	A15-5404
11/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442527	5269480	424	162808	Outcrop Grab	Gabbro	7C	Gabbro, dark green color, massive texture, weak Chl alteration. 5m from gabbro-tonalite contact, irregaluar Qz vein 070/45, 0.2% of sample, 0.5cm wide, 1.5% Py and Tr Cpy in vein and wall rock.	23	A15-5404

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
11/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442295	5268970	414	162809	Float	Tonalite	8AC	Tonalite, 10x10cm float, medium grey, equigranular texture, medium grained, moderate pervasive silica alteration, weak Ser and Chl pervasive alteration. Weathered disseminated euhedral Py 0.5%	<5	A15-5404
11/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442701	5269003	414	162810	Outcrop Grab	Gabbro	7C	Gabbro, Suboutcrop, dark green color, massive texture, weak pervasive Chl alteration. Weak shearing 060 strike. Tr Py in stringers and disseminated.	<5	A15-5404
11/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	442878	5269036	404	162811	Outcrop Grab	Gabbro	**7C**	Gabbro 3x5m Suboutcrop, dark green color, massive texture, weak pervasive Chl and carb alteration. Qz + carb vienlets mm scale, 0.5% of sample, 0.2 Py and tr Cpy in veinlets, possible tr galena or moly	<5	A15-5404
11/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block				162812				Standard-204	1046	A15-5404
12/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	441233	5269501	424	162813	Outcrop Grab	Quartz-Diorite-Quartz-Feldspar Porphyry	8EH	Quartz-Diorite-Porphyry, medium green color, porphyritic texture, medium grained, moderate pervasive silica and Chl alteration. 2cm wide moderate shear zone, 075/88, hosting Py 0.2%	6	A15-5404
12/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	440603	5268660	414	162814	Outcrop Grab	Tonalite	8C	Tonalite large knob, med grey color, equigranular texture, medium grained, moderate pervasive silica, Bio, Chl alteration. No mineralization	<5	A15-5404
13/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	440612	5268376	406	162815	Outcrop Grab	Gabbro (Mafic Unsubdivided?)	7C-2A	Gabbro, dark green, massive texture, fine grained, moderate pervasive Chl and Carb alteration. Strongly foliated, 090/88S. Disseminated tr Py and Cpy. Possibly a Chl schist, not a gabbro.	<5	A15-5404
13/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	440772	5266083	403	162816	Outcrop Grab	Silicified Tonalite	8Csil	Silicified Tonalite, medium grey, equigranular texture, medium grained, moderate pervasive silica and Chl alteration. 50cm rafts of tonalite within Chl fill. Py 0.5% and Cpy 0.1% within fractures.	<5	A15-5404
13/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	440794	5266094	402	162817	Outcrop Grab	Silicified Tonalite	8Csil	Silicified Tonalite, medium grey, equigranular, medium grained, moderate pervasive silica and Chl alteration. 3cm wide Qz-FeCarb, trending 240/60, hosting 0.1% Py.	<5	A15-5404
13/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	441003	5266094	406	162818	Outcrop Grab	Silicified Tonalite Breccia	8Csil-bx	Silicified Tonalite Breccia, Suboutcrop near powerline, grey-green color, equigranular texture, moderate pervasive silica, Ser, Chl alteration. Diorite clasts, "Cote"-like breccia, possibly hydrothermal like on North and south Breccia of the pit. Diseminated tr Py, Cpy, Po.	<5	A15-5404
13/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	441007	5266165	403	162819	Flyrock from Trench	Gabbro	7C	Gabbro,sample from rubble of a blasted trench, green color, massive texture, weak pervasive Chl alteration. Disseminated Py 0.5%	<5	A15-5404

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
13/07/2015	Alex Wyotiahlowsky	TME Regional	Cote -East Block	441001	5266162	403	162820	Flyrock from Trench	Quartz-Tourmaline Vein	QTV	Quartz-Tourmaline Vein, sample from rubble of a blasted trench, light grey color, massive texture, locally up to 10% Chl and Fe-Carb in fractures, weak Ser and tr rusty Cpy. Trench trending 283.	26	A15-5404
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	441483	5266082	393	162821	Outcrop Grab	Melanocratic Gabbro	7Cm	Melanocratic Gabbro - rusty brown weathered surface and dark greenish-brown fresh color, mafic composition with amp>fd with strong pervasive carbonate (calcite) with wk sil-ep, massive equigranular texture, <1% qs, 5% blebs and stringers/fractures of vfg po >py (≤1%)	5	A15-5404
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	441275	5266083	394	162822	Outcrop Grab	Silicified and Weakly Fractured Tonalite	8Csil	Silicified and Weakly Fractured Tonalite - rusty brown weathered surface and bluish gray fresh color, altered felsic to intermediate composition with strong fracture-control and jointed sil-ser with patchy cb alteration, strongly sheared texture at 265°/81°N, 5% qs, occassional py < 1%	<5	A15-5404
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	440947	5266162	400	162823	Outcrop Grab	Quartz Vein/Tonalite	QV/8C	Quartz Vein (90%)/Tonalite (10%) - QV is milky white with wallrock being gray color, quartz composition to vein with numerous chl seams/fractures, local tourmaline in vein and wallrock consists of vfg sil tonalite	<5	A15-5404
							162823					<5	A15-5404
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	440838	5266186	401	162825	Outcrop Grab	Silicified Tonalite Breccia	8Csil-bx	Silicified Tonalite Breccia - rusty brownto patchy rusty brown weathered surface and bleached white and drusy gray fresh surface colors, strongly altered felsic to intermediate composition with strong pervasive sil flooding, bx texture with drusy gray mafic clasts (up to 1%), 5% qs, 5% disseminated py-(aspy?) and < 2% cpy associated with bx clast texture	<5	A15-5404
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	440840	5266180	399	162826	Outcrop Grab	Silicified Tonalite Breccia	8csil	Silicified Tonalite Breccia - patchy rusty brown weathered surface and light gray on fresh surface; altered felsic to intermediate composition with moderate to strongly pervasive sil and carbonate along fractures, relict sub-equigranular to sub-porphyritic texture, up to 1% scattered vfg py-(cpy)	<5	A15-5404
7/14/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	440831	5266168	399	162827	Outcrop Grab	Silicified Tonalite Breccia	8csil	Silicified Tonalite Breccia - patchy rusty brown weathered surface and light gray on fresh surface; altered felsic to intermediate composition with moderate to strong pervasive sil, scattered mafic clasts associated with sulphides, relict sub-equigranular texture, vfg disseminated py in fracture-fill and ,1% to 3% cpy as fracture-fill	<5	A15-5404

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	440813	5266165	399	162828	Outcrop Grab	Silicified Tonalite Breccia	8csil	Silicified Tonalite Breccia - patchy rusty brown to brown weathered surface and light gray on fresh surface; altered felsic to intermediate composition strong pervasive sil and weak ser in fracture-fill, mod cb in fracture and joints, 20% qe giving porphritic texture, pseudo-breccia texture, vfg widely scattered py up to 1%	<5	A15-5404
14/07/2015	Aidan Trout-Ditchburn	TME Regional	Cote -East Block	440803	5266174	400	162829	Outcrop Grab	Silicified Tonalite Breccia	8csil	Silicified Tonalite Breccia - patchy rusty brown to light brown weathered surface and light gray on fresh surface; altered felsic to intermediate composition strong pervasive sil (sugary qtz)and moderate ser in fracture-fill, 20% qe giving porphritic texture, pseudo-breccia texture, vfg widely scattered py up to 1%	5	A15-5404
15/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	438192	5270052	395	162830	Outcrop Grab	Tonalite	8/4A2 (?)	silicified tonalite, weathering 1, colour medium grey, texture is massive, and grain size is MG. Alteration: pervasive silicification strength 2, pervasive sericite 2, pervasive chlorite 1, spotty carbonate 2, dissem leucoxene 1. structures: weak to moderate shearing present @ 105/60. mineralization: 0.1% po dissem. Comments: small 5 x 3 m ridge on side of hill, strongly alt tonalite mod to strong sil, mod ser/chl, wk lcx, tr dis po.	155	A15-5404
15/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	438990	5269394	412	162831	Outcrop Grab	quartz vein	QV	Colour: light grey, texture is massive, vein properties: strike 065, dip 40, vein type qtz chl vein, width 6 cm. Qtz vein with planes/fracts of chl up to 10%, possible tan leucoxene? 6 cm width	<5	A15-5404
16/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	438198	5269918	435	162832	Outcrop Grab	tonalite	8	weathering 1, colour med green grey, texture is equigranular. Grain size is MG. Alteration: pervasive silicification 2, pervasive sericite 2, pervasive chlorite 2, diss leucoxene 1. Structure: foliation strike 115(?) weak. Comments: tonalite strongly altered si/ser/chl. 1-3% dis lcx. possible tr rust spots.	<5	A15-5722
16/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	438197	5269054	428	162833	Outcrop Grab	tonalite	8	colour: light grey. Alteration : Silicification 3 pervasive, sericite 1 pv, chl 1 pv, lcx 1 diss. Structure: moderate foliation 080/76. Comments: tr dis lcx	6	A15-5722
17/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	440602	5266069	413	162834	Outcrop Grab	tonalite	8	weathering 1, colour med grey green. Texture: equigranular. Grain size: MG. Alteration: silica 2 pv, ser 1 pv, chl 1 pv. Mineralization: Po 0.5 % diss. Magnetism 1, Comments: tonalite strong si, weak chl/ser. 1-5% rusty spots, tr vis dis po, wkly magnetic. Nature of vning difficult to see, but some bodies of gabbro present. larger scale, dyking irregular geometries.	<5	A15-5722

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
17/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block	440590	5266073	400	162835	Outcrop Grab	tonalite	8	weathering 1. Colour: med green grey. Texture: equigranular. Grain size MG. Alteration: Silica 2 pv, ser 1 pv, chl 1 pv. Magnetism 1. Comments: strong si, wk chl/ser, 1-5% rusty spots, no observed sulphides, weakly magnetic.	<5	A15-5722
17/07/2015	Alex Wyotiahlowsky	Errington Grid	Cote -East Block				162836				Standard	2128	A15-5722
18/07/2015	Stephen Roach	Regional	Cote -East Block	438104	5270772	424	162837	Outcrop Grab		2Gbx-cb-sh	Sheared & Carbonate Altered Mafic Pillow Breccia - brownish green weathered surface color and light green fresh color, mafic composition with strong pervasive carbonate alteration (calcite), strongly sheared pilow texture trending 83°/90°, <1% qs, widely scattered py < 1%	<5	A15-5722
18/07/2015	Stephen Roach	Regional	Cote -East Block	438040	5270826	416	162838	Outcrop Grab	Mafic Flow	2Bcb	Moderate to Strong Carbonate Altered Massive Mafic Flow - brownish green on weathered surface and dark green to green on fresh surface, mafic composition with moderate to strong cb and weak chl, massive to wk to mod sh, vfg scattered py up to 1% and weak to non-magnetic	6	A15-5722
18/07/2015	Stephen Roach	Regional	Cote -East Block	438101	5270845		162839	Outcrop Grab	Mafic Flow	2Bcb	Carbonate Altered Mafic Flow - greenish-gray with locally rusty weathered surface color and green fresh color, altered mafic composition with strong pervasive cb and weak to moderate sil along shear planes (10%), well developed parasitic folding 30° to 70° plunge FA with foliation 90°/85°S and 202°/79°N, < 15 qs, scattered up to 1% py along sh planes associated with sil	5	A15-5722
18/07/2015	Stephen Roach	Regional	Cote -East Block	438130	5270857	404	162840	Outcrop Grab	Mafic Flow	2Bcb-sh	Sheared and Carbonate Altered Mafic Flow - greenish-gray weathered color and dark green/green fresh color, altered mafic composition with strong pervasive cb and wk-(mod) chl, strongly sheared, 5% qs/qcs between 1-5 cm wide, widely scattered up to 1% py in qs/qcs and locally < 0.5% cpy in qs	29	A15-5722
18/07/2015	Stephen Roach	Regional	Cote -East Block	438162	5271131	405	162841	Outcrop Grab	Diorite/Gabbro	7BC	Diorite/Gabbro - dark grayish green weathered color and green to dark green fresh color, intermediate to mafic composition with weak to moderate interstitial sil and wk pervasive cb, vfg to fg, massive/equigranular texture, < 1% qs, vfg scattered < 1% to 2% py-(aspy?) and < 0.5% cpy-po	<5	A15-5722
18/07/2015	Stephen Roach	Regional	Cote -East Block	438176	5271205	408	162842	Outcrop Grab	Cherty Tuff	5B	Cherty Tuff - gray and grayish white weathered and fresh color, strong pervasive vfg sil and is in a lam/bedded horizon 23 cm wide, bedding strikes 269°/82°N, < 1% qs, ≤1%-3% vfg scattered py	<5	A15-5722

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)	File No
19/07/2015	Stephen Roach	Regional	Cote -East Block	437821	5270754	407	162843	Boulder Grab	Mafic Unsubdivided	**2A**	Mafic Unsubdivided - strong rusty brown weathered color and light green fresh color, strong hem weathered surface and mafic composition with weak to moderate sil and vfg, <1% qs, 5% to 10% disseminated and fracture-fill py and < 1%-5% po with occassional sp up to 1% and < 0.5% cpy	<5	A15-5722
19/07/2015	Stephen Roach	Regional	Cote -East Block	437923	5270739	405	162844	Outcrop Grab	Mafic Flow	2Bsh	Sheared Mafic Flow - patchy rusty hem weathered color and light green fresh color, mafic composition with wk-mod interstitial sil and cb along joints, strongly sheared 270°/85°N, <1% to 2% calcite stringers, widely scattered py ≤1%	5	A15-5722
19/07/2015	Alex Wyotiahlowsky	TME East	Cote -East Block	437259	5270203	391	162845	Outcrop Grab	Felsic Tuff	3F	Felsic Tuff - light beige greenish gray color, felsic composition with wk sil-cb, 10% qe giving sub-porp texture, moderate to strong sh 95°/90°, <1% qs, <0.5% py with rusty patches/spots along fractures. Weathering: 1, Colour: light beige green grey, Texture: pophyritic. Grain size: fg. Alteration: silica 1 , chl 1, carb 1. structure: strong shearing @ 095/90. Mineralization: dis tr py. Comments: felsic volcanics with 10% rounded qtz eyes, 5% rusty spots throughout and along vning/fractures, mod to strong shearing 095/90.	<5	A15-5722
19/07/2015	Stephen Roach	TME East	Cote -East Block	436823	5270364	388	162846	Outcrop Grab	Felsic Tuff	4Fsil-ser-sh-fract		<5	A15-5722
20/07/2015	Alex Wytiahlowsky	TME East	Cote -East Block	437170	5270954	410	162847	Outcrop Grab	Felsite Dyke	8L	weathering: 1, Colour: dark grey purple. Texture: massive, Grain size Fg. Alteration: hematite 1 pv. Structure: moderate foliation @077/85. Comments: dark grey purple/red massive felsite dyke ? 4 cm wide and cutting foliation in mafic volcanic host. possible chert layer? 114/vert strike, foliation 077/85 for mafic volcanic. sample mixed of dyke and host.	7	A15-5722
20/07/2015	Stephen Roach	TME East	Cote -East Block				162848		Blank		Blank	5	A15-5722
20/07/2015	Stephen Roach	TME East	Cote -East Block	436599	5270758	441	162849	Outcrop Grab	Mafic Unsubdivided/Volcaniclastic	2ALser	Sericitic Mafic Unsubdivided/Volcaniclastic - rusty weathered color greenish gray fresh color, altered mafic composition with strong sh controlled ser and wk-mod chl-cb with cb being interstitial, strongly sh laminated texture, < 1% qs, sheared 278°/85°N, occasional to widely scattered py < 1%	<5	A15-5722
20/07/2015	Stephen Roach	TME East	Cote -East Block	436604	5270974	435	162850	Outcrop Grab	Mafic Flow/Volcaniclastic	QTSW/2BLsil-fract	Quartz Stockwork/Fractured Mafic Flow/Volcaniclastic - greenish gray color, altered mafic composition with strong sil in wr adjacent to qs, wk styolitic texture to vn and sil wr and vn, 30% to 35% qs/qv up to 35 cm wide, 5% to 10% disseminated py in wallrock and ≤1% to2% py in vn 5% tp 10%	<5	A15-5722

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15/09/2015	Stephen Roach	Errington Grid	Cote -East Block	441364	5270708	414	162901	Outcrop Grab	Mafic Flow	2B/5A	Carbonate Altered Mafic Flow - patchy rusty weathered surface color and bleached green and black chert, altered mafic composition with strong pervasive carbonate alteration with strong sil in chert lamination, up to 0.5 cm wide cherty lamination/band, < 1% qs, foliated 90°/88°S and chert band at 106°/90°, vfg widely scattered up to 1% pyrite in altered wallrock and chert	<5	A15-8058
15/09/2015	Stephen Roach	Errington Grid	Cote -East Block	441279	5270734	416	162902	Outcrop Grab	Mafic Flow	2Bcb-sh	Chlorite-Carbonate Altered & Sheared Mafic Flow - brownish green and green fresh color, altered mafic composition with strong chlorite and carbonate sh-controlled alteration, strongly sheared and show crenulation clvg at 93°/81°S, <1% qs, vfg occassional py < 1%	<5	A15-8058
15/09/2015	Stephen Roach	Errington Grid	Cote -East Block	441249	5270731	417	162903	Outcrop Grab	Mafic Flow	2Bcb	Carbonate Altered & Weakly Fractured Mafic Flow - weak to moderate locally rusty brownish-green and light to bleached green fresh colors, altered mafic composition with strong pervasive cb and wk sil with cb along qcs joint-fill fractures, 5% qcs/qs, strongly sheared 80°73°S, widely scattered in wallrock and in stringers <0.5% to 1%, occassional cpy < 0.5%	<5	A15-8058
15/09/2015	Stephen Roach	Errington Grid	Cote -East Block	441114	5270694	421	162904	Outcrop Grab	Mafic Flow	**2B**	Mafic Flow - green to dark green color, mafic composition with wk-mod regional chl and wk to mlocally mod cb and weak interstitial epidote, massive texture, < 1% qs, foliated 78°/80°S, vfg ≤1% to 5% disseminated py along the joints, moderately magnetic with 1% to 3% magnetite	<5	A15-8058
20/09/2015	Stephen Roach	Errington Grid	Cote -East Block	440010	5270659	405	162905	Outcrop Grab	Mafic Flow	2Lser-sh	Sericitic and aSheared Mafic Volcaniclastic - patchy brown weathered color and green to light green fresh color, mafic composition with moderatly to locally strong ser and wk-(mod) sil and wk cb in bnds, sh banded texture 96°/78°S, < 15 qs/qcs, patchy vfg scattered py ≤1% to 2%	5	A15-8058
20/09/2015	Stephen Roach	Errington Grid	Cote -East Block	440434	5270692	418	162906	Outcrop Grab	Mafic Unsubdivided	2Asil-ser-cb	Quartz-Sericite-Carbonate Schist (Mafic Unsubdivided) - brownish gray weathered color and creamy white fresh color, altered mafic composition with strong sh controlled ser and mod-strong sil-cb, strongly sheared 82°/79°S, < 1% qs, widely scattered vfg py up to 1%	8	A15-8058
11/6/2015	Andrew Shea	Errington Grid	Cote -East Block	441740	5269054		165001	Outcrop Grab	Tonalite	8C	Tonalite - light gray and light green color, felsic to intermdiate composition with mod pervasive sil and chl, <1% light gray bull quartz veining, trace py-cpy	<5	A15-4514
11/6/2015	Andrew Shea	Errington Grid	Cote -East Block	441800	5268658		165002	Outcrop Grab	Tonalite	8C	Tonalite - light gray color, felsic to intermdiate composition with mod pervasive sil and chl fractures, foliated 94°/87°S, <1% qs, <0.5% py	<5	A15-4514

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11/6/2015	Andrew Shea	Errington Grid	Cote -East Block	439539	5269224	402	165003	Outcrop Grab	Qtz Diorite	8E	Quartz Diorite - gray green color, felsic to intermediate composition with strong chl seams/fractures and calcite stringers, weak hem stain, <1% qtz-chlor fractures trending 75°/80°S, barren of sulphides	<5	A15- 4647

Channel Sample Descriptions – Jarvis Showing

Sample Number	Date	Sampler	UTM East (NAD 83)	UTM North (Nad 83)	Elevation (m)	Channel	Azimuth	From (m)	To (m)	Length (m)	Notes	Rock Type Code	Description	Au_FA-AA ppm
162372	26-May-15	Stephen Roach				JAR-01					BLANK		BLANK	< 0.005
162373	26-May-15	Stephen Roach	445670.2	5270829.8		JAR-01	176	0.00	0.50	0.50	Start of Channel JAR-01	2GL/SHchl-ser	Sheared Mafic Pillow Flows/Volcaniclastics - light green, green, to grayish white color, altered mafic composition with strong chl>ser shear controlled alteration with wk cb (calcite), stronglt sheared 2% to 5% qcs up to 1.5 cm, <1% py	< 0.005
162374	26-May-15	Stephen Roach				JAR-01	176	0.50	0.90	0.40		2GL/SHchl-ser	Sheared and Fractured Mafic Pillow Flow/Volcaniclastic - light green to greenish white color, strongly altered mafic composition with moderate to(strong) chl-cb and sheared, 10% to 20% qcs/cs fractures up to 5 cm wide, <1% py	< 0.005
162375	26-May-15	Stephen Roach				JAR-01	176	0.90	1.20	0.30		QCV	Quartz-Carbonate Vein - milky white to whitish green color, quartz-(carbonate-ankerite) composition, weakly fractured vein, local tourmaline seam, barren to < 0.5% py<	< 0.005
162376	26-May-15	Stephen Roach				JAR-01	169	1.20	1.70	0.50		2GL/SHchl-cb	Sheared & Fractured Mafic Pillow Flow/Volcaniclastic - greenish-gray to green color, strongly altered mafic composition with sh-controlled/laminated chl-cb altered textureand sheared, 10% to 20% qcs/cs fractures up to 5 cm wide, <1% py	< 0.005
162377	26-May-15	Stephen Roach				JAR-01	169	1.70	2.40	0.70		2GL/SHser-chl	Sheared Mafic Pillow Flow/Volcaniclastic - light creamy greenish-gray color, strongly altered mafic composition with sh-controlled/laminated ser>chl alteration with moderate cb (calcite), finely sheared/laminated texture, up to 1% to 3% qcs/qs boudins and along shear planes, occasional <1% py	< 0.005
162378	26-May-15	Stephen Roach				JAR-01	169	2.40	2.90	0.50		2GL/SHchl-cb	Sheared Mafic Pillow Flow/Volcaniclastic - dirty light greenish-white and greenish-brown color, strongly altered mafic composition with sh-controlled/laminated chl-cb altered texture and weak sericite, strongly sheared and numerous parasitic microfolds, <1% qcs/cs fractures, <1% occasional py	< 0.005
162379	26-May-15	Stephen Roach				JAR-01	164	2.90	3.45	0.55		2G/SHchl-cb	Sheared Mafic Pillow Flow - greenish-white and whitish-gray color, strongly altered mafic composition with sh-controlled/laminated chl-cb altered texture and weak sericite, strongly sheared and numerous parasitic microfolds/banded/laminated texture, up to 1% qcs/cs fractures, <1% occasional py	< 0.005
162380	26-May-15	Stephen Roach				JAR-01	174	3.45	3.90	0.45		2G/SHchl-cb	Intensely Folded/Sheared Mafic Pillow Flow - green, greenish-gray, to grayish-white colors, strongly altered mafic composition with strong chl-cb with tight intensely microfolded sh bands/laminations, white calcite cb as bands/laminations, up to 5% qcs and cs, <0.5% py	< 0.005
162381	26-May-15	Stephen Roach				JAR-01	174	3.90	4.35	0.45		2G/SHchl	Intensely Folded/Sheared Mafic Pillow Flow - green, grayish-green, to grayish-white colors, strongly altered mafic composition with strong chl and weak to moderate cb and weak ser, tight intensely microfolded sh bands/laminations and strongly sheared, 1% to 2% qcs and cs, <1% occasional py	< 0.005
162382	26-May-15	Stephen Roach				JAR-01	174	4.35	4.85	0.50		2G/SHchl-cb	Intensely Folded/Sheared Mafic Pillow Flow - green, greenish-gray, to grayish-white colors, strongly altered mafic composition with strong chl-cb with tight intensely microfolded sh bands/laminations and qcs/qs/cs up 4 cm wide as boudins (≤5%), <1% py	< 0.005
162383	26-May-15	Stephen Roach				JAR-01	174	4.85	5.40	0.55	End of Channel JAR-01	2G/SHcb-chl	Sheared Mafic Pillow Flow -light green and greenish-gray color, strongly altered mafic composition with sh-controlled/laminated cb>chl altered texture and weak sericite, strongly sheared, ≤1% qcs/cs, <1% occasional py	< 0.005
162384	26-May-15	Stephen Roach				JAR-02					STD 504		Standard 504	1.5
162385	26-May-15	Stephen Roach	445589.3	5270801.1	393	JAR-02	180	0.00	0.30	0.30	Start of Channel JAR-02	2B/SHchl-cb	Sheared & Fractured Mafic Massive Flow - dark green to green, and white color, strongly altered mafic composition with strong pervasive chl-cb alteration; fractured with 10% to 15% qs/qcs and strongly sheared, occasional py < 1%	< 0.005

Sample Number	Date	Sampler	UTM East (NAD 83)	UTM North (Nad 83)	Elevation (m)	Channel	Azimuth	From (m)	To (m)	Length (m)	Notes	Rock Type Code	Description	Au_FA-AA
														ppm
162386	26-May-15	Stephen Roach				JAR-02	180	0.30	0.80	0.50		2B/SHchl-cb	Sheared Mafic Massive Flow -green to greenish-gray color, strongly altered mafic composition with strong pervasive chl-cb alteration; strongly sheared, < 1% qs/qcs parallel to shearing, occasional py < 1%	< 0.005
162387	26-May-15	Stephen Roach				JAR-02	180	0.80	1.30	0.50		2B/SHchl-cb	Sheared Mafic Massive Flow -green to dark green color, strongly altered mafic composition with strong pervasive chl-cb alteration; strongly sheared, < 1% qs/qcs parallel to shearing, occasional py < 1%	< 0.005
162388	26-May-15	Stephen Roach				JAR-02	180	1.30	1.80	0.50		2B/SHchl-cb	Sheared Mafic Massive Flow -green to greenish-gray color, strongly altered mafic composition with strong pervasive chl-cb alteration; strongly sheared laminated/banded texture, < 1% qs/qcs, widely scattered py < 1%	< 0.005
162389	26-May-15	Stephen Roach				JAR-02	179	1.80	2.30	0.50		2G/SHcb-chl	Sheared Mafic Pillow Flow -light green to greenish-gray color, strongly altered mafic composition with strong pervasive cb>chl alteration; strongly sheared controlled alteration, < 1% qs/qcs, <1% occasional py	< 0.005
162390	26-May-15	Stephen Roach				JAR-02	190	2.30	2.80	0.50	Loc: 0.15 m at 120° from end of 162389	2G/SHcb-chl	Sheared Mafic Pillow Flow - green and greenish-gray color, strongly altered mafic composition with sh-controlled cb-chl altered texture and weak sil, strongly sheared, <1% qcs/cs, <1% occasional py	< 0.005
162391	26-May-15	Stephen Roach				JAR-02	190	2.80	3.30	0.50		2GB/SHcb-chl	Sheared Mafic Pillow/Massive Flow - green and grayish-green color, strongly altered mafic composition with sh-controlled cb-chl altered texture, vfg and msv to sheared, <1% qcs, <1% occasional py	< 0.005
162392	26-May-15	Stephen Roach				JAR-02	190	3.30	3.80	0.50		2Bsil	Silicified Massive Mafic Flow - light green and lightly bleached grayish-green color, altered mafic composition with pervasive mod sil with weak chl-cb-ser, <1% qs boudins, ≤1% scattered pyrite	< 0.005
162393	26-May-15	Stephen Roach				JAR-02	205	3.80	4.40	0.60	Loc: 0.15 m at 135° from end of 162392	2B	Massive Mafic Flow - rusty brown on weathered surface and brownish-green fresh color, mafic composition with moderate chl and weak cb in form of calcite, strongly jointed/fractured, < 1% qcs, widely scattered py-po < 1%	< 0.005

Sample Number	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
162372	< 0.05	6.84	1.8	712	2.5	0.07	4.79	< 0.1	37.9	21.6	33	1.68	29.6	4.1	2.6	1.15	5.84	27	5.2	0.4	3.1
162373	< 0.05	6.73	17.6	406	0.7	0.05	5.5	0.1	21.5	26.9	75.9	2.05	36.4	1.6	0.8	0.9	7.12	15.3	2.4	0.3	1.9
162374	< 0.05	5.99	24.4	238	0.5	0.08	6.25	< 0.1	11.4	35.7	82.2	1.63	82.4	1.2	0.7	0.66	8.2	15.1	2	0.2	0.9
162375	0.14	2.35	3.7	62	0.1	< 0.02	5.96	0.1	4.1	17.6	64.9	0.44	12.5	0.9	0.4	0.48	5.88	5.6	1.1	0.3	0.5
162376	0.07	7.61	29.4	231	0.6	0.05	3.82	< 0.1	16.7	35.3	95.7	1.25	71.5	1.5	1	0.91	9.79	18.9	2.1	0.6	2.4
162377	0.15	6.87	28.9	240	0.8	0.07	5.35	0.2	24.1	27.7	68.7	0.89	63.7	1.2	0.8	1	6.41	16.6	2.5	0.4	1.4
162378	0.1	7.05	34.7	227	0.5	0.05	4.89	0.3	13.5	42.3	97.2	0.56	90	1.3	0.8	0.87	8.44	17.9	2.3	0.3	0.8
162379	0.07	7.25	29.9	112	0.3	0.08	4.82	0.1	13.5	46.4	126	0.49	98.4	1.2	0.8	0.92	9.22	19	2.4	0.4	0.9
162380	< 0.05	6.62	29.5	362	0.5	0.05	6.52	0.2	14.5	42.2	98.4	0.76	73.9	2.4	1.3	1.09	7.83	18.4	3.3	0.4	1
162381	< 0.05	7.68	19.5	206	0.5	0.03	3.56	< 0.1	14.2	47.8	119	0.51	98.2	1.1	0.8	0.8	9.35	24.4	2.2	0.3	1.1
162382	< 0.05	5.9	16	214	0.5	0.04	4.87	< 0.1	11.1	40.3	117	0.24	93.2	1.1	0.6	0.7	8.43	15.8	1.8	0.6	1.8
162383	0.05	6.73	7.8	32	0.4	0.03	5.8	0.1	13.7	42.1	108	0.14	94.5	1.5	0.8	0.89	9.3	16.7	2.6	0.3	0.8
162384	2.41	7.25	5.1	216	1	4.98	3.14	0.5	23.4	23.4	61	2.04	> 10000	2.4	1.5	0.81	7.75	16.8	2.9	0.3	1.5
162385	0.35	7.5	14.7	176	1.4	0.06	6.16	0.1	16.4	43.9	131	2.02	57.6	2.8	1.7	1.19	8.19	16.7	3.2	0.5	1.8

Sample Number	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
162386	0.15	9.88	16.4	331	1.4	0.09	3.18	0.1	16	47.9	161	2.52	116	3.5	2.2	1.03	8.01	23.5	3.9	0.6	1.5
162387	0.1	9.19	2.7	344	1.5	0.05	1.73	< 0.1	49.3	10.1	14.3	1.76	5.4	1.1	0.5	1.15	2.55	26.9	2.6	0.5	2.9
162388	< 0.05	> 10.0	6.4	493	1.5	0.05	2.11	0.2	54	15.1	46.4	1.67	19.1	1.6	0.8	1.21	3.21	23.4	2.7	0.6	2.8
162389	< 0.05	9.38	6.2	510	1.8	0.05	1.78	0.2	50.6	9.6	21.8	1.46	16.8	1.1	0.4	1	2.55	25.6	2.7	0.5	2.8
162390	< 0.05	9.94	13.7	295	1.6	0.07	1.56	< 0.1	56.6	8.5	13.7	0.9	5.6	0.9	0.5	1.4	2.66	24.8	2.6	0.5	3
162391	< 0.05	9.51	7.7	231	1.1	0.06	1.64	0.2	52.4	7.8	15	0.87	5.7	0.9	0.5	1.21	2.66	24.2	2.8	0.5	2.9
162392	< 0.05	8.97	3.7	124	1	0.1	1.57	0.2	40.2	6.1	37.8	0.36	22.6	0.7	0.3	0.79	2.14	21.4	1.7	0.3	2.9
162393	< 0.05	7.5	5	377	0.6	0.05	5.81	0.1	23.8	54.7	72.8	0.64	152	3.8	2.5	1.08	9.71	21.1	3.6	0.7	2.2

Sample Number	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS
	ppb	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
162372	40	1	< 0.1	1.53	14	24.1	0.4	1.71	1020	0.64	2.98	14.7	22.6	15.5	0.16	12.5	5.1	54	< 0.001	0.12	0.3
162373	40	0.4	0.1	1.41	10.2	12.9	0.2	2.24	1680	0.13	1.07	0.1	14.3	48.2	0.046	3.2	3.1	43.5	< 0.001	0.1	0.2
162374	20	0.3	< 0.1	0.97	4.7	18.9	0.2	2.23	1610	< 0.05	0.73	< 0.1	8.9	42.1	0.038	2.8	1.9	28.9	< 0.001	0.23	0.2
162375	80	0.2	< 0.1	0.27	2	8.4	< 0.1	2.1	1600	0.2	0.29	< 0.1	3.8	26.1	0.018	1.2	0.8	8.7	< 0.001	< 0.01	0.3
162376	10	0.4	< 0.1	0.85	8.3	28.4	0.3	1.71	2410	0.28	0.91	0.8	11.7	52.5	0.048	3.5	2.8	27.1	< 0.001	0.1	0.5
162377	< 10	0.3	< 0.1	0.65	11.3	23.7	0.2	2.13	1740	0.73	1.11	< 0.1	14.5	43	0.051	3.7	3.7	18.2	< 0.001	0.24	1.5
162378	20	0.3	< 0.1	0.42	5.9	28.1	0.2	2.76	2150	0.06	1.34	< 0.1	10.1	63.1	0.045	2.5	2.3	12.3	0.006	0.18	0.2
162379	40	0.3	0.1	0.28	5.6	31.2	0.2	3.22	2300	0.14	1.67	< 0.1	11.5	65.3	0.044	2.4	2	6.5	0.003	0.29	0.2
162380	20	0.6	0.1	0.48	6.5	27.2	0.3	2.73	1940	< 0.05	0.87	< 0.1	11.3	56.6	0.039	3.3	2.1	15.6	0.006	0.23	< 0.1
162381	50	0.3	< 0.1	0.3	6.2	29.5	0.3	2.88	1910	0.2	2.02	< 0.1	11.8	67.2	0.047	2.3	2.1	10.4	< 0.001	0.18	0.2
162382	70	0.2	< 0.1	0.25	4	22.8	0.2	2.64	2120	0.71	2.06	3.1	8.4	56.2	0.045	1.9	1.7	3.5	0.003	0.21	1.9
162383	40	0.3	< 0.1	0.08	5.8	31.2	0.3	2.72	2360	< 0.05	1.84	< 0.1	10.6	63.8	0.041	1.8	2.1	4	< 0.001	0.19	0.2
162384	50	0.7	0.9	2.91	13.2	18.7	0.2	1.97	596	645	2.23	7	11.5	24.7	0.102	22	3	70.8	0.023	1.4	1.2
162385	40	0.7	< 0.1	0.78	8.6	31.6	0.3	3.12	2040	2.57	0.98	0.7	10.5	88.5	0.044	4.4	2.4	26.8	0.003	0.03	0.6

Sample Number	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS
	ppb	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
162386	70	1	0.1	1.63	7.5	27.1	0.3	2.51	1860	0.45	1.41	0.6	10.8	94.2	0.044	4.9	2.4	51.4	< 0.001	0.11	0.2
162387	90	0.2	< 0.1	1.2	22.5	8.5	< 0.1	0.93	360	0.39	> 3.00	1	22.7	11.7	0.082	5.9	6	33	< 0.001	0.12	0.4
162388	40	0.3	< 0.1	1.35	25.8	12.9	0.1	1.39	522	0.21	> 3.00	< 0.1	27.3	21.6	0.072	8.5	7.1	40.4	< 0.001	0.14	0.2
162389	20	0.2	< 0.1	1.35	21.5	13.4	< 0.1	1.24	383	0.42	> 3.00	0.3	22.9	13	0.076	15.2	5.9	34.8	< 0.001	0.09	0.2
162390	60	0.2	< 0.1	0.64	26.3	10.4	0.1	1.13	343	0.2	> 3.00	2.2	27.6	9.3	0.083	12.5	7.2	13.8	< 0.001	0.15	1.2
162391	50	0.2	< 0.1	0.57	25.6	9	< 0.1	0.91	329	0.31	> 3.00	1.1	25.3	9.7	0.083	7.2	6.9	13.1	< 0.001	0.12	0.5
162392	80	0.1	< 0.1	0.16	19.8	7.5	< 0.1	0.86	251	0.73	> 3.00	1.9	19.4	8.4	0.059	7.7	5.1	3.3	0.003	0.13	1.2
162393	40	0.9	0.1	0.58	11.1	13.2	0.4	3.69	1680	0.35	2.47	0.3	12.6	72	0.043	3.9	3.3	18.1	0.002	0.11	0.4

Sample Number	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162372	15	1.3	5.5	3	525	0.6	0.8	0.2	1	0.703	0.31	0.4	1.1	160	0.2	26	3.3	112	136	A15-3837
162373	28	0.4	2.9	< 1	326	< 0.1	0.3	< 0.1	0.7	0.42	0.2	0.2	0.3	197	< 0.1	8.4	1.3	90.5	77	A15-3837
162374	38	0.5	2.3	< 1	341	< 0.1	0.2	< 0.1	0.4	0.189	0.16	0.2	0.1	171	< 0.1	7	1	102	33	A15-3837
162375	19	0.6	1.1	< 1	149	< 0.1	0.2	< 0.1	0.2	0.15	0.38	< 0.1	< 0.1	99	< 0.1	5.5	0.6	62.3	17	A15-3837
162376	39	1.5	2.9	< 1	299	< 0.1	0.3	< 0.1	1	0.45	0.3	0.2	0.2	279	< 0.1	9.5	1.3	103	89	A15-3837
162377	28	0.8	3.6	< 1	352	< 0.1	0.3	< 0.1	0.9	0.25	0.18	0.1	0.4	158	< 0.1	7.8	1.2	80.9	59	A15-3837
162378	43	0.9	3.6	< 1	237	< 0.1	0.2	< 0.1	0.3	0.145	0.1	0.1	0.1	151	< 0.1	8.1	1.2	122	33	A15-3837
162379	42	0.8	3.1	< 1	156	< 0.1	0.3	< 0.1	0.3	0.188	0.08	0.2	0.1	193	< 0.1	7.6	1.3	139	29	A15-3837
162380	40	1.8	3.1	< 1	216	< 0.1	0.4	< 0.1	0.4	0.181	0.07	0.3	0.1	171	< 0.1	13.8	1.6	130	35	A15-3837
162381	45	0.5	2.9	< 1	141	< 0.1	0.2	< 0.1	0.3	0.219	0.06	0.2	0.1	192	< 0.1	7.7	1.4	153	41	A15-3837
162382	36	0.1	2.3	< 1	113	0.2	0.3	< 0.1	0.3	0.72	0.07	0.1	0.1	314	< 0.1	6	0.9	135	75	A15-3837
162383	40	0.9	2.7	< 1	108	< 0.1	0.4	< 0.1	0.3	0.153	< 0.05	0.2	0.1	148	< 0.1	7.8	1.2	130	24	A15-3837
162384	18	14	2.4	12	480	0.3	0.5	0.5	3	0.356	0.21	0.3	1.3	185	2.5	16	1.5	119	59	A15-3837
162385	31	0.1	2.9	< 1	410	< 0.1	0.6	< 0.1	0.6	0.396	0.09	0.3	0.3	248	< 0.1	19.9	2.3	131	75	A15-3837

Sample Number	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162386	44	2.4	2.9	< 1	477	< 0.1	0.6	0.2	0.7	0.356	0.5	0.4	0.3	211	< 0.1	24.4	2.8	129	62	A15-3837
162387	6	0.9	3.7	< 1	520	< 0.1	0.3	0.2	1.7	0.303	0.3	< 0.1	0.5	66	< 0.1	5.8	0.4	56.4	117	A15-3837
162388	10	1.3	4.5	< 1	691	< 0.1	0.4	0.1	2.1	0.231	0.25	0.2	0.8	79	< 0.1	8.9	0.8	64.1	95	A15-3837
162389	6	0.4	3.6	< 1	708	< 0.1	0.2	0.2	1.7	0.271	0.2	< 0.1	1.3	67	< 0.1	6.2	0.6	63.2	115	A15-3837
162390	6	0.5	4.2	1	706	< 0.1	0.2	0.1	2.1	0.318	0.12	< 0.1	0.7	70	< 0.1	7	0.4	65	128	A15-3837
162391	6	1	4.6	< 1	584	< 0.1	0.2	0.1	2	0.295	0.08	< 0.1	0.7	62	< 0.1	6.6	0.4	58.2	124	A15-3837
162392	4	0.9	3.5	< 1	486	< 0.1	0.2	< 0.1	1.5	0.245	< 0.05	< 0.1	0.5	47	< 0.1	4.7	0.4	47.3	110	A15-3837
162393	43	2.7	3.1	< 1	411	< 0.1	0.6	< 0.1	1.7	0.447	0.07	0.4	0.6	277	< 0.1	26.7	2.5	105	80	A15-3837

Sample Descriptions – Prospecting (Grab) Samples

HEADER							SAMPLE		Lithology			Au (ppb)	Ag_TD-MS
Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
15-Sep-15	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270617.114	441543.9324	401.255829	162856	grab		2A	Green fine grained mafic volcanic. Strong carbonate veining. Trace-minor pyrite	<0.005	7.59
15-Sep-15	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270653.673	441455.4217	405.136597	162857	grab			Yellow-white 30cm quartz-carbonate vein within a strongly foliated, carbonate-sericite alterated zone. Along strike with FeAsS showing. Minor py, aspy.	<0.005	7.46
15-Sep-15	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270588.778	441821.2053	405.742249	162858	grab		11C1	Grey glassy moderately carb-silicified-chloritised clast supported conglomerate with minor-1% fine grained py.	0.005	8.99
15-Sep-15	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270565.594	441816.1587	408.504822	162859	grab		8F	Quartz veinlets in very silicified medium grained green-grey intrusive porphyritic quartz-diorite with minor disseminated euhedral pyrite.	<0.005	9.23
15-Sep-15	Ruth Bjorkman	TME	Between lines L 11400 and L 11800				162860	204			Standard	1.004	9.69
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270663.538	440743.1053	396.951599	162861	grab		2A	Green fine grained mafic volcanic with moderate carbonate-silica alteration. Mior fine grained disseminated pyrite. Slightly magnetic with strong foliation 85/82	<0.005	8.05
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270667.92	440782.1773	400.188599	162862	grab		2A	White weathered surface, grey fresh surface with pervasive carbonate alteration in fine grained mafic volcanic. Trace amounts pyrite. Moderately foliated 267/82N.	<0.005	7.91
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270691.408	440778.3567	403.682922	162863	grab		2A	Yellow-white fine grained strongly foliated sericite-carbonate altered mafic volcanic with minor fine grained disseminated py.	0.013	9.9
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270699.888	440786.4159	418.583923	162864	grab		2A	Yellow-white fine grained strongly foliated sericite-carbonate altered mafic volcanic with 3-5% fine grained disseminated py, po.	<0.005	7.51
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270757.031	440795.9394	422.233398	162865	grab		14A	Diabase medium grained with minor po.	<0.005	6.61
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270675.371	440836.546	428.197693	162866	grab		2G	Grey-white quartz-carb stringers in mafic volcanic breccia unit. Very rusty and stronlgy foliated with 1% blebby py.	0.005	9.06
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270651.657	440861.8008	426.217896	162867	grab		2A	Dark fine grained mafic volcanic with moderate carb alteration. Minor-1% disseminated py	0.005	5.92
16-Sep-15	Ruth Bjorkman	TME	Between lines L 9800 and L 10200	5270703.846	440965.873	410.382935	162868	grab		2A	Likely mafic volcanic, strong fabric, moderate chlorite carb alteration, minor disseminated py with strong foliation 284/N	<0.005	8.56
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270750.19	441175.7585	412.05484	162869	grab		2A	Fine grained strongly foliated with strong carb alteration, trace amounts py	0.005	8.57
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270788.586	441192.9173	406.78891	162870	grab		2A	Strong carb, weak chlorite altered mafic volcanic. Foliation is 90/90. Trace-minor py disseminated.	<0.005	8.38
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270757.581	441214.2611	400.217072	162871	grab		2A	Green strongly carb-chl altered fine grained mafic volcanic. Minor py	<0.005	8.01
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400				162872	BLANK			Blank	<0.005	8.65

HEADER							SAMPLE		Lithology			Au (ppb)	Ag_TD-MS
Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270729.673	441248.0404	400.217072	162873	grab		2A	Green fine grained mafic volcanic with moderate carb alteration strong foliation 88 1% py stringers	<0.005	8.11
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270737.212	441095.393	402.158325	162874	grab		2A	Green medium grained crenulated chl-carb schist with tr-min py	<0.005	8.46
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270735.244	441092.8961	409.193817	162875	grab		2A	Strong carb-chl alt light green schist. 1%po? Disseminated and in stringers	<0.005	6.42
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270685.668	441037.8758	417.828705	162876	grab		2A	Quartz-carb veinlets in fine grained green mafic volcanic. Strong carb, moderate chl alteration. Tr py	<0.005	3.59
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270666.867	441050.8462	419.098877	162877	grab		2A	Fine grained dark mafic volcanic with carb veining with brown-white surface colour. Minor disseminated py	<0.005	8.59
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270662.24	441068.0946	422.439514	162878	grab		2A	dark grey very fine grained mafic volcanic. Minor-1% disseminated py, 5% quartz-carb veining.	<0.005	9.58
17-Sep-15	Ruth Bjorkman	TME	Between lines L 11000 and L 11400	5270644.851	441062.051	417.913025	162879	grab		2A	Dark grey very fine grained mafic volcanic with medium grained 1-2% sulfides along fractures.	<0.005	8.26
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270334.852	440308.4919	402.021454	162880	grab		8E	Medium grained qtz-diorite. Porphyrytic blue quartz eyes and moderate chl alteration. Trace malachite, py	<0.005	8.08
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270396.315	440331.0053	405.90863	162881	grab		8E	Qtz-diorite with mgr qtz in fine-medium grained matrix, moderately sheared minor py disseminated. Greyis-green with chl alteration.	<0.005	3.73
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270506.745	440324.3124	399.525452	162882	grab		8F	3m exposed quartz stringers 1-10cm in width making up to 40% of the outcrop. Host rock is quartz-diorite. Medium grained with moderate-strong carb alt, moderate chl alt, 90/90	<0.005	7.11
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270509.387	440316.448	398.09436	162883	grab		8H	Strong foliated Chester (qtz-di) medium grained with elongated feldspar. Chl-carb-hem alt. Minor-1% disseminated py, aspy.	0.005	6.92
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600				162884	206				2.09	8.41
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270511.036	440296.4589	395.973022	162885	grab		8F	Green fine-medium grained quartz-porhyry in diorite. 10cm qtz vien with pervasive chlorite veins containing disseminated py.	<0.005	7.73
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270586.395	440318.3576	409.572144	162886	grab		2A	Very fine grained green mafic volcanic with moderate carb alt with 1% fine grained disseminated py	<0.005	8.79
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270610.128	440367.1836	417.230408	162887	grab		2A	Fine grained green mafic vocanic with min carb. Min-1% very fine grained fine grained py.	<0.005	9.71
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270566.535	440422.9862	409.854492	162888	grab		7C	Dark green possibly gabbro, fine-medium grained no strong fabric. Py fracture filling.	<0.005	7.26
18-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270512.791	440494.9291	404.469727	162889	grab		11C1	Medium grained dark grey qtz-diorite with chl, carb, magnetite in Chester clast supported Timiskaming.	<0.005	> 10.0
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270469.812	439862.6655	394.815186	162890	grab		8F	Chlorite altered medium grained quartz-diorite. Minor carb sericite alteration with minor py. Quartz veining is present but barren.	<0.005	> 10.0

HEADER							SAMPLE		Lithology			Au (ppb)	Ag_TD-MS
Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270423.009	439863.387	395.797058	162891	grab		8F	Sericite-quartz schist. Fine grained with medium grained quartz. Likely Chester contact with volcanics.	<0.005	8.95
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270418.228	439852.6601	397.398407	162892	grab			Ser-chl--carb-qtz schist with tr py	<0.005	6.92
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270480.895	439746.5185	388.75354	162893	grab		11C1	This is likely Timiskaming, Chester clast supported. Many shears are present with massive chlorite. 3% py in shears with tr malachite.	0.006	8.41
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270494.612	439613.7086	397.1698	162894	grab			Medium grained ser-chl-qtz schist with tr py dissminated and very fine grained.	<0.005	7.73
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270596.27	439682.3667	406.57782	162895	grab			Ser-carb schist with minor-1% py disseminated 90/80 foliation fine-medium grained light grey.	0.005	8.79
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800				162896	BLANK			BLANK	<0.005	9.71
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270493.172	439946.4476	393.275879	162897	grab		8H	Medium grained quartz-diorite with quartz vein stockwork 3-5cm width. Tr malachite, bournite, minor disseminated py	0.005	7.26
20-Sep-15	Ruth Bjorkman	TME	East of line L 10200 and between between L 9400 and L 9800	5270493.814	439960.069	400.469788	162898	grab		8H	Medium grained quartz-diorite with quartz vein stockwork 3-5cm width. Minor py in shear and tr malachite.	<0.005	> 10.0
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270505.526	440356.9373	401.154816	162899	grab		8F	Chl schist contacting medium grained chl rich qtz-diorite. 1% py in the schist. Strongly foliated 98/84	<0.005	> 10.0
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270532.184	440347.4338	406.324219	162900	grab		11C5	Ser-qtz schist shearzone fine grained. Possbily a Timisk sst-sltst.	<0.005	8.95
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270530.757	440345.7678	406.301178	162951	grab		8F	Grey very silified moderately foliated fine-medium grained with medium grained quartz-eyes. Min aspy.	<0.005	0.2
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270504.958	440314.9719	397.420593	162952	grab		11C1	Quartz stockwork in qtz-diorite with shears. Sample from a shear at orientation of 110 along quartzvein. Chlorite seams throughout, minor py.	<0.005	0.11
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270500.541	440355.1593	394.33078	162953	grab		11C1	Quartz diorite with quartz stockwork medium grained moderately chl altered. Minor py in shear.	<0.005	0.11
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270469.279	440434.1708	399.518066	162954	grab		11C1	Chl shear with 2% py, cpy over 35cm. Host is Chester medium grained q-di clasts in Timiskaming conglomerate. Possibly sphal. Within quartz stockwork, extends at least 10m.	0.022	0.19
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270467.056	440434.7532	399.826355	162955	grab		11C1	Chl shears with min py, just south of sample 162954. Py is in chl shears rather than the clastic material.	0.005	0.2
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270454.79	440438.0884	406.632263	162956	grab		11C1	Chl altered medium grained green quartz-diorite with chlorite shear carrying 1% disseminated sulfides tr mo.	0.021	0.49

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Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270499.543	440507.7279	408.479187	162957	grab		11C1	Ser-chl altered quartz-diorite with magnetite seams dark red-purple colour.	0.005	0.3
21-Sep-15	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270410.727	440519.0001	409.611176	162958	grab		8F	Quartz stockwork in Chester medium grained with moderate chl alteration. Tr sulf.	0.005	0.23
22-Sep-15	Ruth Bjorkman	TME	Between L 10200 and L 10600	5270520.375	440600.8852	405.355408	162959	grab		11C1	Chlorite shears in quartz stockwork with trace py in q-diorite. Possibly Chester clasts in Timisk.	<0.005	0.18
22-Sep-15	Ruth Bjorkman	TME	Between L 10200 and L 11000				162960	204			204	0.991	0.52
22-Sep-15	Ruth Bjorkman	TME	Between L 10200 and L 11000	5270464.821	440686.1177	402.130219	162961	grab		11C1	Epidote altered Timiskaming, Chester clast supported conglomerate. Medium grained q-p with quartz stockwork. Min py, cpy along wallrock contacting veins, also disseminated.	0.24	0.38
22-Sep-15	Ruth Bjorkman	TME	Between L 10200 and L 11000	5270469.627	440738.5832	405.767151	162962	grab		11C1	Chl-carb altered medium grained sheared Timiskaming conglomerate with minor quartz veining	<0.005	0.31
22-Sep-15	Ruth Bjorkman	TME	Between L 10200 and L 11000	5270505.333	440758.1198	410.409729	162963	grab		11C1	Minor quartz veining crosscutting stratigraphy of Chester clast supported Timiskaming conglomerate at	<0.005	0.29
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270521.007	440822.9482	412.566772	162964	grab		11C1	Minor quartz veining in Timiskaming Chester clast supported conglomerate with approminately 75% Chester clasts. Shears at 50,115.	<0.005	0.25
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270539.345	440790.4971	407.002625	162965	grab		7C	Medium grained foliated gabbro with chl-epid alteration. Fine grained minor py. Moderate carb alteration. Timiskaming contact to the south within 15m.	<0.005	0.17
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270533.319	440793.0706	406.787048	162966	grab		11C1	Sheared silicified strong carb alt of Timisk-gabbro contact 84/76 foliation. Min-1% fine grained disseminated py.	<0.005	0.16
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270623.269	440462.5177	402.939636	162967	grab			Folded fine grained minor qtz-carb stringers in possibly sed? Rusty bands throughout.	0.056	0.15
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270700.641	440449.6931	394.831482	162968	grab		2A	Sheared with moderate carb alteration in mafic volcanic. 1% py stingers.	<0.005	0.22
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270727.549	440492.3795	396.961212	162969	grab		2A	Mafic volcanic fine grained with strong carb alt, po, py 1%	<0.005	0.2
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270737.296	440473.9045	423.139252	162970	grab			Tightly folded carb-qtz vein in chl-ser-carb schist1% disseminated py, aspy	<0.005	0.43
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270735.974	440472.9897	422.123077	162971	grab			Intensely folded beside qtz-carb vein with intense carb alt. 3% py, aspy, min cpy	<0.005	0.35
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600				162972	BLANK			BLANK	<0.005	0.29
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270737.976	440473.0101	419.604858	162973	grab			moderately folded red-brown ank min-1% disseminated py75/90	<0.005	0.22
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270766.317	440505.8595	416.224915	162974	grab		2A	Sheared folded medium grained chl-carb schist with 1% disseminated py, possibly mt, slightly magnetic	<0.005	0.26
23/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270382.356	440663.8486	408.059937	162975	grab		11C1	Medium grained quartz diotite with shear containing min py. Possibly a large block in congl	<0.005	0.21
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270157.718	439753.8595	392.012115	162976	grab		8F	Chlorite altered Chester q-porphyry with shear and minor quartz veining.	<0.005	0.19

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Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270376.233	439710.6187	408.555359	162977	grab		8F	Possibly hematization of q-diorite minor carb alteration. 74/sv moderately foliated.	<0.005	0.18
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270383.229	439550.4438	414.688354	162978	grab		8F	Strongly foliated medium grained 10% quartz q-diorite with chl alteration. Minor disseminated py	<0.005	0.11
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270394.24	439484.9034	413.605957	162979	grab		8H	Shear in chester with chl alteration moderate-strong. Stringy py, cpy in shear at 92	<0.005	0.95
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270215.955	439463.9552	387.036133	162980	grab		11C1	Sheared Chester clasts with moderate chlorite and silicification. Minor py along fractures.	<0.005	0.24
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270134.912	439669.1004	401.415009	162981	grab		11C1	Quartz vein 2-6 cm with chlorite seams, containing py, cpy. Host is Chester blocks. Moderate -strong chlortite alteration	<0.005	0.25
24/09/2015	Ruth Bjorkman	TME	West of line L 9800	5270139.041	439668.0148	409.663086	162982	grab		11C1	Wallrock sample with 1% py disseminated in Chester conglomerate.	<0.005	0.05
25/09/2015	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270539.414	441400.1324	389.061279	162983	grab		11C5	Shearzone in rusty sandstone with occaional clasts. Fine-medium grained with minor disseminated py.	<0.005	0.2
25/09/2015	Ruth Bjorkman	TME	Between lines L 11400 and L 11800				162984	206			STANDARD	2.1	0.3
25/09/2015	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270547.677	441351.9344	396.34375	162985	grab		11C1	Quartz-diorite medium grained clast supported conglomerate. Hem-chl altered . Minor py, cpy along fracture at 150. moderately foliated at 90/sv	<0.005	0.21
25/09/2015	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270527.028	441360.6771	398.952179	162986	grab		11C1	Purple hematized Chester (q-di) possibly clastic minor py, cpy along fractures	<0.005	0.14
25/09/2015	Ruth Bjorkman	TME	Between lines L 11400 and L 11800	5270522.88	441243.2541	402.531189	162987	grab			Chloritized-silicified medium grained quartz diorite with minor py disseminated.	<0.005	0.13
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270703.967	440494.471	399.270691	162988	grab		2A	Medium grained strongly foliated chlorite-carb altered moderate-strong. 3% py in stringers and disseminated 96/80	<0.005	0.12
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270691.989	440481.4154	404.256897	162989	grab		2A	Possibly pillowed volcanic? Fine grained with strong carb-ser alteration minor-1% py	<0.005	0.13
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270669.37	440464.8664	404.193359	162990	grab			Fine grained with carb veining 50% also strong ser alteration. 3% py in folded stringers and disseminated	<0.005	0.2
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270662.732	440450.7369	401.606659	162991	grab			Quartz-carb vein 15cm with tourmatine throughout, strong chl-ser. 2% py, cpy in vein. Hostrock is severely altered carb schist to south, mafic volcanic chl altered to north	0.006	0.15
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270662.057	440452.0095	406.238678	162992	grab		2A	Mafic volcanic with 1% py disseminated. Chl-carb altered	<0.005	0.14
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270661.966	440449.9727	406.103699	162993	grab			Carb-ser schist with 1% disseminate py	0.005	0.14
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270632.383	440342.7414	406.623596	162994	grab			Carb-ser schist with quartz vein. Min py, cpy blebs	<0.005	0.11
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270664.894	440326.6106	414.059479	162995	grab			quartz carb stringers with strong ank alteration 5% disseminated py. tight folds, finegrained.	0.093	0.13

HEADER							SAMPLE		Lithology			Au (ppb)	Ag_TD-MS
Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600				162996	BLANK			BLANK	<0.005	0.14
26/09/2015	Ruth Bjorkman	TME	Between lines L 10200 and L10600	5270707.01	440326.9657	419.309082	162997	grab		2A	Green fine grained carb altered mafic volcanic with 1% disseminated py stringers	0.005	0.13
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270724.774	439486.8313	402.850616	162998	grab		8F	Medium grained quartz-diorite with ser alteration in shear… Subcrop	0.082	0.13
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270740.093	439456.9823	410.510925	162999	grab			Possibly interformational, looks like a sandstone. 3-5% py, min cpy. Moderate carb alteration	<0.005	0.12
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270834.514	439451.6467	413.019318	163000	grab			Quartz-carb-chl schist crenulated with min py. 94/90	<0.005	0.47
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270759.992	439285.7453	411.724304	161951	grab			Strong chl-carb altered fine grained schist with 1% py stringers. Foliation 240/80	<0.005	0.08
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270644.419	439219.8742	409.532349	161952	grab		2A	Chl-carb altered fine-medium grained mafic volcanic. Minor py	<0.005	0.08
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270621.669	439194.8223	400.910278	161953	grab			Sil-carb altered grey fine grained with quartz stringers. 1% fine grained and blebby py	<0.005	0.09
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270773.63	438968.9367	388.137756	161954	grab		2A	Quartz vein with py, cpy. Minor chl alteration of mafic volcanic. Medium grained and folded	0.007	0.07
27/09/2015	Ruth Bjorkman	TME	Between lines L 9000and L 9400	5270178.515	438896.9855	379.831451	161955	grab		8F	Medium grained quartz diorite with quartz stringers 7cm, angular with many similar sharp boulders. Minor-1% py, cpy disseminated.	0.237	0.11
9/28/2015	Ruth Bjorkman	TME	Line L 9400	5268306.349	439129.17	394.943909	161956	grab			Muck pile sample of pit. 10% py, 3% cpy, 1% bourn in quartz vein	0.009	0.51
9/28/2015	Ruth Bjorkman	TME	Line L 9400	5268306.334	439130.6012	402.287384	161957	grab			Quartz vein with pods of py and copper minerals 5%.	0.069	5.03
9/28/2015	Ruth Bjorkman	TME	Line L 9400	5268304.002	439129.9716	400.108582	161958	grab			20% sulfides in quartz vein 15cm wide.	0.039	2.21
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268302.466	439192.3989	376.482452	161959	grab		8B	Quartz-diorite/tonalite medium grained with moderate chl alteraiton. 5% py, cpy disseminated	0.013	0.63
9/29/2015	Ruth Bjorkman	TME	Line L 9400				161960	204				0.986	0.54
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268283.144	439212.0538	384.577148	161961	grab		7C	Medium grained gabbro with 3-5% py disseminated	0.015	0.53
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268291.794	439267.1342	381.961792	161962	grab		7C	Quartz stockwork in fractured gabbro with pods of sulfides. Minor-1% py, cpy course grained in quartz and minor py in gabbro	<0.005	0.32
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268290.487	439264.7182	384.874054	161963	grab		7C	Fine-medium grained gabbro with 3% py, po disseminated	0.005	0.3
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268235.782	439245.037	385.72583	161964	grab		8A	Very strongly silicified diorite with strong foliation close to gabbro contact 96/74. 3% py disseminated	<0.005	0.39
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268168.987	439244.6447	393.104919	161965	grab		8A	Quartz vein stockwork with ser-hem alteration in quartz-diorite to tonalite medium grained. Veins are up to 30cm in width with mostly py but occasionally only cpy 1%. Gabbro contact is to south about	<0.005	0.3
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268172.396	439248.2933	389.652588	161966	grab		8A	Loose vein material of above quartz stockwork with 1% cpy, minor py	0.014	12.7

HEADER							SAMPLE		Lithology			Au (ppb)	Ag_TD-MS
Date	Geologist	Property	Zone/Area	UTM Northing (Stn)	UTM Easting (Stn)	Elevation (Stn)	Sample Number	Type	Lithology	Rock Code	Description	ppb	ppm
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268161.597	439250.2114	392.162811	161967	grab		7C	Gabbro contact with tonalite. Very silicified and epidote alteration moderate. Minor sulfides in quartz veins, as well as beside veins	<0.005	1.84
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268164.82	439250.3205	388.776245	161968	grab		8B	Quartz diorite medium grained with ser-hem-chl alteration within stockwork trend. 1% py, cpy	<0.005	0.99
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268167.672	439253.7364	387.284302	161969	grab		8F	Quartz vein in silicified shearzone of quartz-diorite. Chl-ser alteration moderate. Disseminated py, cpy in quartz veining and in wallrock.	0.012	2.41
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268128.281	439161.6924	394.761292	161970	grab		8B	Red hem-ser altered tonalite with red quartz vein 7cm. Many similar veins in the area. 1% cpy blebs throughout vein. 20cm min cpy mineralization through wallrock	0.086	8.45
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268173.801	439124.1751	389.686371	161971	grab			Shaft approximately 2m till water level. Course grained cpy blobs in quartz vein from much pile. Strong chl alteration of the quartz vein.	0.021	5.17
9/29/2015	Ruth Bjorkman	TME	Line L 9400				161972	BLANK				0.005	1.44
9/29/2015	Ruth Bjorkman	TME	Line L 9400	5268178.435	439127.3889	397.124023	161973	grab			Muck pile sample with fine grained py, cpy stringers and pods 1%	0.009	1.07

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
162856	9.53	9.8	18	0.3	0.02	3.39	< 0.1	10.1	59.9	229	0.28	97.9	3.1	1.9	0.73	6.36	21.8	2.6	1.7	0.9	30	0.7	< 0.1	0.03	3.6	2.5
162857	0.65	10	7	< 0.1	< 0.02	1.27	< 0.1	0.8	4	48	0.09	22.7	0.2	0.1	0.1	1.64	1.1	0.2	< 0.1	< 0.1	90	< 0.1	< 0.1	0.05	0.3	0.8
162858	7.98	2.4	358	1.1	0.42	0.38	< 0.1	35	12.8	29.8	1.71	17.9	2.2	1.3	0.64	3.34	8.1	2.1	< 0.1	4	40	0.4	< 0.1	1.34	15.4	14.9
162859	7.84	2.2	460	1	0.28	0.93	< 0.1	26.6	6.3	11.7	1.35	19.6	1.1	0.6	0.45	1.71	4.5	1.3	0.1	1.9	40	0.2	< 0.1	1.2	13.3	8.7
162860	7.39	513	317	1.2	0.07	5.49	0.1	37.4	48.8	196	2.18	109	4.5	2.2	1.6	10.9	9.9	5.1	< 0.1	3.3	20	0.9	< 0.1	1.07	20.7	9.6
162861	8.77	0.8	23	0.2	< 0.02	7.7	0.1	5.2	63.1	234	0.11	97.8	2.6	1.6	0.58	9.82	14.2	2.1	0.5	0.3	10	0.6	< 0.1	0.04	1.9	13.9
162862	8.28	2.1	14	0.3	< 0.02	5.22	< 0.1	4.1	57.4	155	0.11	57.4	3.3	2.1	0.71	9.66	17.9	2.6	0.3	0.6	< 10	0.7	< 0.1	0.03	1.7	26.9
162863	7.76	152	55	0.3	< 0.02	4.22	0.1	7.1	53.2	117	0.96	127	1	0.6	0.43	10.7	14.4	1.4	0.4	1.4	10	0.2	< 0.1	1.04	2.6	19.6
162864	6.27	41.2	53	0.1	0.03	3.58	0.1	10.8	47.7	168	0.56	363	1.9	1.2	0.59	9.96	16.6	2.3	0.7	2.3	30	0.4	< 0.1	0.4	3.9	18.8
162865	7.59	< 0.1	307	1.1	0.05	6.12	0.3	34.6	52.1	53.3	1.61	148	6.1	3.8	1.37	12	11.7	5.4	0.1	3	20	1.3	0.1	1.02	15.9	12.6
162866	7.46	78.8	96	0.2	0.03	8.13	0.2	4.1	54.4	234	0.75	178	2.3	1.5	0.47	8.44	11.2	1.8	0.2	0.9	< 10	0.5	< 0.1	1.04	1.6	23.7
162867	8.99	6.8	110	0.5	0.03	3.78	0.7	13.7	66.1	208	1.69	167	4	2.5	0.97	10.8	17.3	3.3	0.2	0.4	60	0.9	0.2	0.37	5.6	31.9
162868	9.23	16.1	35	0.3	0.03	3.85	0.1	9.2	64.4	258	0.45	114	3.1	2	0.59	11.5	19.1	2.5	0.3	0.4	30	0.7	< 0.1	0.1	3.7	26.5
162869	9.69	13.7	102	0.3	< 0.02	4.24	0.2	5.7	58.6	302	0.4	139	2.9	1.8	0.67	7.74	15.1	2.3	0.5	0.2	20	0.7	< 0.1	0.5	2.1	18.5
162870	8.05	9.5	39	0.4	< 0.02	6.95	< 0.1	5.7	57.4	212	0.38	115	2.8	1.8	0.54	9.54	15.1	2.2	0.2	0.1	< 10	0.6	< 0.1	0.14	2.1	46.6
162871	7.91	0.5	30	0.6	< 0.02	7.71	0.2	6.2	41.5	80	0.14	61.6	2.6	1.6	0.61	8.53	16.4	2.1	0.3	0.3	10	0.6	< 0.1	0.03	2.4	6.5
162872	9.9	< 0.1	763	2.5	0.03	3.89	0.1	55.9	21.1	28.6	1.43	28	5.3	2.9	1.45	5.47	0.7	5.5	< 0.1	2.5	10	1	< 0.1	1.4	25.4	24.7

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
162873	7.51	2.9	29	0.7	0.02	5.14	0.2	20.1	50.9	89	0.91	63.9	6.9	4.3	1.36	12	20.7	5.8	0.2	0.2	30	1.5	0.1	0.08	7.8	8.4
162874	6.61	1.5	31	0.2	< 0.02	2.71	< 0.1	6.9	69.6	734	0.12	9.8	0.9	0.6	0.23	10.6	12.7	1.2	0.2	1.4	30	0.2	< 0.1	< 0.01	2.6	9.4
162875	9.06	14.8	182	0.4	< 0.02	3.49	0.8	7	62.3	349	0.43	126	3.4	2.1	0.73	8.62	14.2	2.5	0.9	1.2	80	0.8	< 0.1	0.34	2.7	15.7
162876	5.92	2.8	70	0.5	< 0.02	7	< 0.1	10.9	52.2	34.3	0.21	7.2	2	1.2	0.74	10.7	17.7	2.3	< 0.1	1.4	20	0.4	< 0.1	0.06	4.5	12.9
162877	8.56	11.9	223	0.3	< 0.02	7.76	< 0.1	8.9	61.6	306	0.9	149	3.3	2.1	0.74	9.77	10.8	2.6	0.2	1.6	20	0.8	< 0.1	0.57	3.8	37.2
162878	8.57	21.2	67	0.3	< 0.02	2.64	< 0.1	9.4	62.6	141	2.16	139	3	1.8	0.62	10.7	18.6	2.6	0.4	1.2	10	0.7	< 0.1	0.38	3.8	54.1
162879	8.38	18.6	95	0.3	0.02	7.53	0.4	7.6	61.1	203	0.99	158	3.1	1.9	0.68	9.35	16	2.5	0.3	0.5	< 10	0.7	< 0.1	0.21	3	16.6
162880	8.01	1.8	233	1.1	0.22	1.39	< 0.1	50.5	11.3	54.5	0.36	6.8	2.4	1.4	0.69	3.24	11.3	2.5	0.1	3	< 10	0.5	< 0.1	0.79	23.9	14.5
162881	8.65	1.2	360	0.9	0.16	1.32	< 0.1	37.5	9.6	36.3	0.95	15.5	1.5	0.9	0.55	3.41	10.4	1.7	< 0.1	2.1	< 10	0.3	< 0.1	1.4	18	21.6
162882	8.11	1.5	1050	1.3	0.16	1.54	< 0.1	40.4	9.8	21.9	0.98	7.3	1.7	0.8	0.85	3.15	< 0.1	2.2	< 0.1	2.1	10	0.3	< 0.1	1.22	19.8	11.8
162883	8.46	14.2	1100	1.3	0.23	1.82	< 0.1	34.6	11.1	25.9	2.05	20.4	1.5	0.8	0.71	2.99	< 0.1	2	< 0.1	3.1	< 10	0.3	< 0.1	1.82	17.2	14
162884	6.42	1080	85	1.2	0.11	4.86	0.2	36.3	42.6	214	3.5	152	4.5	2.3	1.59	12.7	15.4	5.4	< 0.1	1.4	20	0.9	< 0.1	0.84	21.6	10
162885	3.59	4.4	281	0.5	0.15	0.52	< 0.1	13.8	8	28	0.52	30	0.8	0.4	0.31	2.24	1.2	0.9	< 0.1	0.7	30	0.2	< 0.1	0.81	6.5	7.7
162886	8.59	4	14	0.3	< 0.02	7.07	0.1	8.8	57.3	286	< 0.05	97.2	3.4	2.1	0.76	8.05	19.2	2.7	0.2	0.3	20	0.8	< 0.1	0.02	3.5	10.2
162887	9.58	0.8	29	0.4	0.03	7.22	< 0.1	8.3	67.6	216	0.13	155	3.4	2.2	0.81	9.02	19.3	2.8	0.2	0.3	20	0.8	< 0.1	0.08	3.3	5.7
162888	8.26	8.2	17	0.3	0.02	7.31	0.1	6.6	57.1	164	0.2	128	3.1	2	0.72	10.5	17.9	2.6	0.3	0.5	< 10	0.7	< 0.1	0.06	2.5	8.7
162889	8.08	2.2	916	1.4	0.09	1.33	< 0.1	30.9	10.5	26.3	2.71	15.1	1.4	0.7	0.68	3.55	< 0.1	1.9	< 0.1	2.2	< 10	0.3	< 0.1	1.81	15.7	17.6
162890	3.73	1.3	94	0.8	1.5	1.14	< 0.1	33.3	3.6	19.2	0.29	36.8	1.4	0.6	0.48	1.65	5.4	1.7	0.1	0.6	< 10	0.3	< 0.1	0.65	16	18.3

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
162891	7.11	0.5	170	1.1	0.06	0.18	< 0.1	23.8	1.2	9.8	0.27	2.4	2.9	1.9	0.32	0.67	13.3	1.9	< 0.1	4.9	< 10	0.6	< 0.1	0.86	7.9	8.9
162892	6.92	0.3	426	0.9	0.03	0.16	< 0.1	58.7	2.1	8.5	0.95	3.1	3.5	2.2	0.49	1.31	3.4	3.3	< 0.1	5.2	< 10	0.8	< 0.1	1.16	28.1	19.1
162893	8.41	1.4	153	0.6	2.63	0.54	< 0.1	30.1	35.1	66	0.45	205	3.5	2.5	0.47	9.36	20.6	2.6	< 0.1	3.4	< 10	0.8	< 0.1	0.7	13.1	53.1
162894	7.73	0.6	350	1	0.05	0.5	< 0.1	32	8.1	18.8	0.42	10.4	1.7	1	0.39	2.49	7.9	1.7	0.2	3.9	< 10	0.3	< 0.1	0.7	11.7	13.6
162895	8.79	6	167	0.3	0.02	4.44	< 0.1	5.1	60.6	217	0.54	119	1.3	0.7	0.5	6.43	11	1.6	0.2	0.8	20	0.3	< 0.1	0.78	2	23.2
162896	9.71	< 0.1	736	2.5	0.03	3.59	< 0.1	52.6	18.9	26.1	1.27	29.2	5.1	2.8	1.39	5.22	1.2	5.3	< 0.1	3.6	20	1	< 0.1	1.41	24.4	24.1
162897	7.26	1	419	1	0.48	0.36	< 0.1	43.5	12.2	31.5	0.47	90.1	1.8	0.9	0.54	2.62	4.3	2.1	< 0.1	4	20	0.3	< 0.1	1	21.7	18.3
162898	> 10.0	0.5	864	1.7	0.11	0.34	< 0.1	54.6	12.2	27.8	0.99	25.8	2.2	1.2	0.65	3.42	< 0.1	2.3	< 0.1	5.3	30	0.4	< 0.1	1.05	23	27.3
162899	> 10.0	65.1	577	0.8	0.12	0.64	0.1	21.4	53	173	0.96	156	1.7	0.9	0.59	8.93	2.8	1.8	0.3	1.7	20	0.3	< 0.1	1.24	9	26.5
162900	8.95	28.9	328	0.9	0.04	1.79	< 0.1	22.9	6.8	23.5	1.55	9.8	0.8	0.4	0.51	2.17	11.1	1.1	< 0.1	2.1	10	0.2	< 0.1	1.39	11	17.4
162951	8.24	6.4	777	1.4	0.15	2.05	< 0.1	34.1	8.3	43.9	1.42	19.6	1.3	0.6	0.72	2.77	< 0.1	1.9	< 0.1	2.5	30	0.2	< 0.1	1.09	16.6	10.7
162952	3.24	9.5	96	0.5	0.02	0.14	< 0.1	2.8	1.8	18.6	0.14	15.3	0.2	< 0.1	0.06	0.76	2.6	0.2	< 0.1	0.2	20	< 0.1	< 0.1	0.35	1.6	1.3
162953	9.56	1.5	843	1.5	0.3	1.47	< 0.1	41.3	13.3	16	0.95	61.8	6.9	4.1	1.32	3.6	< 0.1	6.4	< 0.1	6.3	20	1.5	< 0.1	1.12	15.9	12.9
162954	7.25	1.8	597	1.2	1.06	0.78	< 0.1	35.4	17.1	22.1	0.83	237	5.5	4	0.74	4.84	3.9	4.1	< 0.1	2.8	20	1.3	< 0.1	0.96	16.3	18.2
162955	5.61	1.7	356	1	0.28	0.39	< 0.1	15.5	4.4	21.4	0.48	53	1.9	1.3	0.16	1.56	4.8	1.5	< 0.1	2.4	20	0.4	< 0.1	0.83	6.8	5.8
162956	6.22	6	286	1	0.39	0.52	< 0.1	31.3	14.2	63.6	0.78	41	2	1.2	0.42	3.07	8.3	2	< 0.1	3.1	60	0.4	< 0.1	0.71	14.5	14.4

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
162957	7.82	0.9	930	1.3	0.08	1.39	< 0.1	25.9	10	17.6	1.84	22.3	1.2	0.6	0.55	2.58	< 0.1	1.6	< 0.1	2.3	50	0.2	< 0.1	1.44	12.4	15.5
162958	3.77	3.9	182	0.4	0.06	0.25	< 0.1	6.7	4.3	26.4	0.5	4	0.4	0.3	0.1	1.87	5.1	0.3	< 0.1	0.2	40	< 0.1	< 0.1	0.48	1.8	9.8
162959	5.79	2.1	278	0.7	0.1	1.1	< 0.1	31.3	8.1	43	0.56	18.2	1.2	0.7	0.49	2.3	5	1.3	0.1	0.4	30	0.2	< 0.1	0.72	15.3	9.3
162960	4.99	385	405	0.9	0.1	4.42	< 0.1	38	31.7	153	2	83.2	4	1.9	1.4	8.09	9.7	4.6	< 0.1	1.5	20	0.7	< 0.1	0.58	19	6.4
162961	4.62	2.1	649	0.7	0.39	0.81	< 0.1	22.9	2.9	19.5	0.43	19.9	0.6	0.3	0.44	1.56	3.8	0.8	< 0.1	1.9	30	0.1	< 0.1	0.84	10.1	4.7
162962	4.93	11.7	827	0.9	0.33	0.69	< 0.1	19.4	9.7	25.4	0.58	4.4	0.7	0.4	0.27	2.51	3.2	0.9	< 0.1	1.6	30	0.1	< 0.1	0.87	7.9	9.6
162963	5.97	2.7	447	1.1	0.24	0.78	< 0.1	43.5	9.3	22.6	0.66	64.2	1.4	0.8	0.44	2.58	10.3	1.4	< 0.1	2.2	30	0.3	< 0.1	0.7	16.2	9.9
162964	5.37	5.2	428	0.9	0.14	2.46	< 0.1	30.2	6	40	0.6	10	1.6	0.8	0.82	2.61	11.3	2	< 0.1	2	30	0.3	< 0.1	0.67	12.7	7.7
162965	5.99	0.5	10	0.1	0.02	6.75	< 0.1	5	40.9	196	< 0.05	85.9	2.2	1.4	0.49	7.07	13.4	1.7	< 0.1	0.5	30	0.5	< 0.1	0.02	1.6	5.7
162966	5.9	31.1	175	0.2	0.03	2.79	0.1	3.7	39.2	287	0.55	101	1	0.6	0.29	8.41	13.9	0.9	< 0.1	1.1	30	0.2	< 0.1	0.64	1.2	37.2
162967	4.98	8.3	20	0.5	0.03	7.06	0.2	7.9	34.6	142	0.07	63.8	2.9	1.8	0.63	6.64	25.1	2.3	0.3	0.6	40	0.6	< 0.1	< 0.01	2.6	2.5
162968	2.86	2.3	46	0.4	0.04	4.21	0.1	10.1	42.3	86.4	0.33	88.2	3.2	2.1	0.6	10.8	20	2.4	< 0.1	0.5	40	0.7	0.1	< 0.01	3.4	5.4
162969	5.64	11.6	447	0.2	0.05	6.66	0.3	7.5	43.3	94.1	0.39	160	1.2	0.7	0.49	8.29	6.9	1.6	< 0.1	1.3	60	0.2	< 0.1	0.29	2.7	36
162970	6.36	16	134	0.2	0.08	7.05	0.3	11.6	44	138	0.66	110	1.6	1	0.74	8.16	16.7	2.1	< 0.1	1.5	130	0.3	< 0.1	0.28	4.1	37.4
162971	6.92	6.2	248	0.5	0.03	6.35	0.2	14.5	44.5	126	1.17	99.9	1.8	1.1	0.86	8.91	16.5	2.4	< 0.1	1.6	50	0.4	< 0.1	0.58	5.2	48.9
162972	6.98	< 0.1	803	2.3	0.05	3.92	< 0.1	66.2	15.4	22.7	1.48	24.9	5.1	2.7	1.41	4.85	10.8	5.4	< 0.1	2.9	40	1	< 0.1	1.27	28.6	19.8
162973	6.16	1.3	89	0.3	0.02	5.25	0.1	14.4	39.6	122	0.55	94	1.4	0.8	0.74	9.08	18	2.3	< 0.1	1.8	40	0.3	< 0.1	0.18	5	37.2
162974	5.21	16.4	602	0.2	0.03	7.56	< 0.1	5.9	37.7	165	0.85	104	1.2	0.7	0.42	6.17	2	1.3	0.1	0.9	40	0.2	< 0.1	0.6	2	21.5
162975	7.21	2.1	523	0.7	0.22	0.64	< 0.1	49.6	9.9	18.2	1.77	5.8	1.3	0.6	0.91	3.64	16	2	< 0.1	1.7	30	0.2	< 0.1	0.88	17.9	19.4
162976	6.6	< 0.1	347	1.1	0.07	0.14	< 0.1	26	7	19.1	0.4	3	1.7	1.1	0.2	2.6	11.3	1.2	< 0.1	3.6	40	0.4	< 0.1	0.84	9.8	21.8

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
162977	6.34	1	261	1	0.08	0.54	< 0.1	59.7	4.7	17.1	0.66	17.1	2.3	1.2	0.66	2.02	14.6	2.9	< 0.1	4.1	40	0.4	< 0.1	0.78	27.8	9.9
162978	5.94	< 0.1	298	0.9	1.24	0.22	< 0.1	13.5	4.5	11.7	0.48	43.7	1.9	1.3	0.15	2.32	13.6	1.1	< 0.1	5.1	30	0.4	< 0.1	0.6	2.4	6
162979	7.49	1.7	249	1.4	0.31	0.96	< 0.1	50.2	4.2	19	0.57	12.8	2.3	1.2	0.7	1.67	11.8	2.9	< 0.1	1.1	50	0.4	< 0.1	0.8	25.9	21
162980	5.32	0.8	213	0.7	0.93	0.36	< 0.1	37.8	9.5	17.4	0.35	19.8	1.9	1.2	0.34	2.21	15.4	1.6	< 0.1	3.9	40	0.4	< 0.1	0.5	12.1	11.2
162981	5.67	4.4	500	0.9	0.8	1.98	< 0.1	53.5	6	18.5	0.26	24.8	2.3	1.1	0.63	2.93	10.8	2.8	< 0.1	3.4	40	0.4	< 0.1	0.8	24.2	6.1
162982	< 0.01	< 0.1	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.1	< 0.1	1.4	< 0.05	< 0.2	< 0.1	< 0.1	< 0.05	< 0.01	0.1	< 0.1	< 0.1	< 0.1	< 10	< 0.1	< 0.1	< 0.01	< 0.1	< 0.5
162983	6.06	0.3	300	1.1	0.46	1.04	< 0.1	44.4	4.4	16.3	0.41	14.7	2.3	1.2	0.55	2.03	13.6	2.5	< 0.1	3.8	30	0.4	< 0.1	0.75	19.5	5.3
162984	4.79	824	141	0.9	0.11	4.41	0.1	38.1	29.6	129	3.42	129	4	2	1.36	10.2	14.2	4.7	< 0.1	1.2	30	0.8	< 0.1	0.52	20.9	6.8
162985	6.14	5.6	436	1.1	0.06	1.37	< 0.1	30.2	8.5	30.7	1.57	30.9	1.2	0.7	0.45	3.28	12.2	1.5	< 0.1	2.3	30	0.2	< 0.1	0.72	12.9	16.1
162986	6.9	1	955	1.2	0.16	1.48	< 0.1	33.2	6.6	23.2	1.98	13.4	1	0.5	0.58	2.38	4.6	1.5	< 0.1	1.6	30	0.2	< 0.1	1.52	14.8	14.9
162987	7.37	1.4	865	1.2	0.18	1.48	< 0.1	34.7	6.1	19.2	1.46	16.3	1.2	0.6	0.62	2.04	7.3	1.7	< 0.1	2.2	20	0.2	< 0.1	1.38	15.7	9.7
162988	5.87	12	102	0.4	0.03	3.75	0.2	14.7	47	97.2	0.43	128	3.4	1.6	1.02	10.7	17.3	3.5	< 0.1	1	30	0.6	< 0.1	0.11	5.3	9
162989	4.35	9.3	20	0.2	< 0.02	3.76	< 0.1	3.3	41.7	187	< 0.05	122	0.7	0.3	0.31	8.31	16.4	0.9	< 0.1	0.5	40	0.1	< 0.1	< 0.01	1.2	15.5
162990	5.08	17.1	62	0.2	0.03	6.3	< 0.1	6.6	34	93.2	0.35	148	0.7	0.4	0.41	7.9	13.2	1.1	< 0.1	1.2	50	0.1	< 0.1	0.23	2.3	16.4
162991	5.51	8.1	16	0.1	< 0.02	7.99	< 0.1	5.6	37.1	219	0.19	152	2.3	1.4	0.54	5.9	19.5	1.8	< 0.1	0.3	30	0.5	< 0.1	< 0.01	1.9	6
162992	6.5	6.4	34	0.1	< 0.02	6.11	< 0.1	4.9	35.6	210	0.4	82.5	2.2	1.4	0.45	6.72	14.4	1.7	0.1	0.3	40	0.5	< 0.1	0.02	1.6	6.2
162993	> 10.0	3.7	43	0.1	< 0.02	6.62	< 0.1	6.8	51.4	204	0.08	236	3.1	2	0.65	7.73	18.1	2.4	< 0.1	0.2	40	0.7	< 0.1	0.03	2.2	8.4
162994	0.65	3.6	27	< 0.1	< 0.02	0.33	< 0.1	2	5.6	44.2	0.13	60	0.2	0.1	0.1	1.77	1.6	0.3	< 0.1	< 0.1	30	< 0.1	< 0.1	0.06	0.7	2.9
162995	5.58	800	181	0.2	0.04	7.42	0.2	6.7	29.2	153	1.03	136	0.9	0.5	0.54	7.65	9.8	1.2	< 0.1	0.6	40	0.2	< 0.1	0.69	2.5	15.5

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
162996	> 10.0	1	955	2.3	0.03	3.84	< 0.1	61.5	14.9	22.7	1.37	24.4	5.1	2.8	1.37	4.75	8	5.4	< 0.1	2.5	30	1	< 0.1	1.34	26.3	18.7
162997	5.68	3.6	33	0.2	0.02	7.53	0.2	8.7	53.9	450	0.12	130	3	1.9	0.61	8.62	13.8	2.4	0.2	0.4	20	0.7	< 0.1	0.03	2.8	12.1
162998	7.53	0.4	522	1.1	0.07	1.34	< 0.1	19.6	3	13.8	2.6	13	0.4	0.2	0.43	1.14	17.1	0.8	< 0.1	2.1	50	< 0.1	< 0.1	1.54	8.5	5.2
162999	6.37	1.4	17	0.2	< 0.02	2.36	< 0.1	8.7	48.8	173	0.39	99.4	1.3	0.8	0.42	8.85	14.9	1.2	< 0.1	0.5	70	0.3	< 0.1	0.05	3.5	21
163000	6.77	2.5	151	0.2	0.02	6.53	< 0.1	8.2	40.7	174	0.62	140	1.2	0.8	0.42	6.62	22.5	1.2	0.1	1	50	0.2	< 0.1	0.49	4	53.5
161951	4.75	5.5	19	0.2	0.03	6.55	< 0.1	6.5	43	359	0.18	132	2.1	1.3	0.44	6.08	9.7	1.7	< 0.1	0.3	30	0.4	< 0.1	0.02	2.3	9.7
161952	6.89	0.8	25	0.3	0.02	6.22	< 0.1	8.7	44.3	90.8	0.15	116	3.4	2.1	0.72	8.81	17.3	2.7	< 0.1	0.1	40	0.7	< 0.1	0.01	2.9	12
161953	5.48	16.3	621	0.3	0.03	6.09	0.1	10.1	40	108	1.06	109	2.9	1.8	0.7	7.04	4.4	2.5	< 0.1	0.9	20	0.6	< 0.1	1.22	3.5	10.3
161954	1.01	20.1	64	< 0.1	< 0.02	1.09	< 0.1	1.6	6.1	51.7	0.14	40	0.4	0.3	0.08	1.5	2.1	0.4	< 0.1	0.2	90	< 0.1	< 0.1	0.14	0.6	3.3
161955	3.84	< 0.1	288	0.5	0.56	3.02	< 0.1	8.6	2.8	24	0.38	282	1.2	0.9	0.23	1.26	6.4	1	< 0.1	1.1	30	0.3	< 0.1	0.81	3.8	4
161956	0.41	8.3	20	< 0.1	0.23	0.25	< 0.1	3.7	18.6	46.2	< 0.05	505	0.2	0.2	0.07	1.44	1.7	0.2	< 0.1	0.1	30	< 0.1	< 0.1	0.06	1.6	0.7
161957	0.08	29.6	8	< 0.1	0.6	0.03	< 0.1	0.4	40.2	43.2	< 0.05	5100	< 0.1	< 0.1	< 0.05	3.04	0.5	< 0.1	< 0.1	< 0.1	20	< 0.1	< 0.1	0.02	0.3	< 0.5
161958	0.16	57.9	9	< 0.1	1.11	0.03	< 0.1	4.7	205	22	< 0.05	2930	0.3	0.1	0.05	6.63	0.9	0.3	< 0.1	< 0.1	60	< 0.1	< 0.1	0.02	2.1	< 0.5
161959	6.46	< 0.1	371	1.4	0.66	0.89	< 0.1	71	3.9	18.1	0.32	678	4.2	2.5	1.04	2.66	35	4.4	< 0.1	4.9	240	0.8	< 0.1	1.46	31.8	8
161960	5.34	331	422	1	0.07	4.66	< 0.1	38.5	33.1	135	2.03	88	4.1	2	1.43	8.44	9.9	4.7	< 0.1	0.9	40	0.8	< 0.1	0.6	19.7	7
161961	5.39	1.9	46	1.3	0.53	3.17	< 0.1	9	22.6	137	0.26	304	3.1	2.1	0.57	9.36	15.5	2.5	< 0.1	0.7	50	0.7	< 0.1	0.06	3	5.2
161962	4.73	1.2	7	0.5	0.72	6.34	< 0.1	3.2	12.9	79.9	0.08	54.5	1.9	1.3	0.64	3.98	17.7	1.3	< 0.1	0.3	30	0.4	< 0.1	0.02	1.1	3.6
161963	6.14	< 0.1	20	0.7	0.59	6.45	0.1	8	28.5	155	0.11	42.1	3.1	1.9	0.7	7.49	16.3	2.5	0.3	0.6	< 10	0.7	< 0.1	0.05	2.7	4
161964	7.11	< 0.1	105	1	0.12	2.1	0.1	31.7	14	20.9	0.16	44.4	2.8	1.6	0.71	3.67	17.6	2.8	< 0.1	3.5	< 10	0.6	< 0.1	0.46	14.3	11.4
161965	5.41	0.3	490	1.6	0.21	0.2	< 0.1	20.1	0.8	17	0.41	48.9	2.2	1.2	0.18	1.39	8.5	2	< 0.1	3.1	30	0.4	< 0.1	1.2	8.9	8.3
161966	1.48	0.2	262	0.7	8.27	0.01	0.5	1.3	1.5	21.8	0.21	3870	0.6	0.4	< 0.05	1.99	2.6	0.3	< 0.1	0.7	60	0.1	0.5	0.61	0.6	3.5

Sample No	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS
	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm
161967	3.43	< 0.1	324	0.6	1.26	2.41	< 0.1	43.6	0.3	22.4	0.22	24.5	5.2	3.3	0.3	1.93	12.6	4.3	< 0.1	4.1	30	1.1	0.2	0.69	18.4	2.5
161968	4.69	< 0.1	405	1.6	0.56	0.44	< 0.1	40.3	1.6	23.2	0.48	152	3.5	2	0.31	1.33	8	3.2	< 0.1	3	40	0.7	< 0.1	0.85	16.6	10.7
161969	1.49	0.8	265	0.7	7.72	< 0.01	3.3	2.1	1.1	17.3	0.17	674	0.7	0.5	< 0.05	1.02	1.8	0.4	< 0.1	0.7	50	0.2	< 0.1	0.72	0.8	5
161970	0.7	0.9	95	0.3	66.6	0.05	1.2	2.7	1.7	17.9	0.07	2120	0.4	0.3	< 0.05	1.47	1.5	0.2	< 0.1	0.2	30	< 0.1	0.5	0.38	1	2.4
161971	3.75	3.5	65	1.2	8.71	0.68	0.3	10.9	3.1	25.3	0.08	2020	1	0.6	0.18	1.5	6.5	0.9	< 0.1	1	80	0.2	0.5	0.24	5.1	1.4
161972	7.7	< 0.1	791	2.4	0.05	3.82	< 0.1	63.8	15.8	22.6	1.46	25.7	5.4	2.9	1.43	4.8	10.2	5.7	< 0.1	2.1	40	1.1	< 0.1	1.74	26.7	18.4
161973	5.58	8.6	44	1.7	0.57	0.57	0.2	27.7	54.4	28.6	0.06	724	1.8	1.1	0.26	0.91	11.4	1.6	< 0.1	2.3	20	0.4	< 0.1	0.21	11.7	1

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
162856	0.2	2.11	1100	0.18	> 3.00	1.8	6	148	0.022	0.9	1.4	2.2	< 0.001	0.01	1.9	47	< 0.1	2	< 1	102	0.1	0.5	< 0.1	0.5	0.579	< 0.05
162857	< 0.1	0.36	337	0.62	0.3	0.2	0.6	8.8	0.008	< 0.5	0.1	1.7	< 0.001	0.04	2.3	3	< 0.1	0.2	< 1	11.5	< 0.1	< 0.1	< 0.1	< 0.1	0.0312	< 0.05
162858	0.2	0.78	414	0.19	> 3.00	3	12.5	28.2	0.027	3.2	3.6	32.6	< 0.001	0.02	0.3	8	< 0.1	2.7	1	179	< 0.1	0.3	< 0.1	4.4	0.222	0.15
162859	0.1	0.28	310	0.29	> 3.00	2.1	10	7.5	0.024	5.9	3	29.4	< 0.001	0.04	0.5	5	< 0.1	1.9	< 1	305	0.2	0.2	< 0.1	3.4	0.139	0.23
162860	0.3	3.75	2720	2.41	2.49	7.1	20.7	180	0.162	4.4	5.3	24.1	< 0.001	0.82	0.6	19	< 0.1	5.3	1	361	0.1	0.8	< 0.1	4.1	0.841	0.09
162861	0.2	4.39	2010	0.12	1.48	1	4.1	208	0.017	< 0.5	0.8	1.1	< 0.001	0.05	0.4	44	< 0.1	1.5	< 1	83.9	< 0.1	0.4	< 0.1	0.2	0.44	< 0.05
162862	0.2	4.36	1550	0.06	2	0.4	3.6	120	0.025	< 0.5	0.7	0.8	< 0.001	< 0.01	0.4	44	< 0.1	1.7	< 1	70.9	< 0.1	0.5	< 0.1	0.4	0.394	< 0.05
162863	0.1	3.41	1650	0.16	1.5	1	5.3	111	0.027	< 0.5	1.2	29.1	< 0.001	0.13	1	45	< 0.1	1.8	< 1	64.6	< 0.1	0.2	< 0.1	0.3	0.454	0.09
162864	0.2	2.51	995	0.37	1.36	1	8.2	61	0.041	0.7	1.7	12.3	< 0.001	1.27	2.2	36	< 0.1	2.6	< 1	52.8	< 0.1	0.3	< 0.1	0.5	0.393	0.08
162865	0.5	2.75	1900	0.19	2.73	0.2	18.5	47.8	0.072	5.4	4.7	38.9	0.002	0.11	< 0.1	42	< 0.1	5	< 1	183	< 0.1	0.9	< 0.1	3.5	0.438	0.18
162866	0.2	3.28	2440	0.65	1.51	1	3.3	172	0.02	1.6	0.7	28.3	0.002	0.17	4.9	34	< 0.1	1.2	< 1	108	< 0.1	0.3	< 0.1	0.2	0.339	0.11
162867	0.3	3.5	2080	0.21	1.51	< 0.1	8.7	161	0.037	4.6	1.9	13.2	0.002	0.29	0.8	44	< 0.1	2.7	1	164	< 0.1	0.6	< 0.1	0.8	0.292	0.08
162868	0.3	5.06	1640	0.13	0.61	1.3	6.3	194	0.03	0.6	1.3	2.5	< 0.001	0.18	1	43	< 0.1	2.1	< 1	100	< 0.1	0.4	< 0.1	0.4	0.547	< 0.05
162869	0.2	2.95	1640	0.15	> 3.00	0.8	4.5	217	0.021	< 0.5	0.9	15.8	< 0.001	0.06	0.3	47	< 0.1	1.6	< 1	127	< 0.1	0.4	< 0.1	0.2	0.471	0.06
162870	0.2	3.32	2360	0.15	2.05	0.3	4.2	174	0.023	< 0.5	0.9	2.9	< 0.001	0.02	0.5	41	< 0.1	1.6	< 1	78.4	< 0.1	0.4	< 0.1	0.3	0.386	< 0.05
162871	0.2	3.05	5310	0.14	1.21	0.4	4.4	82.9	0.021	0.5	0.9	0.9	< 0.001	< 0.01	0.3	35	< 0.1	1.7	< 1	124	< 0.1	0.4	< 0.1	0.3	0.353	< 0.05
162872	0.4	1.39	824	0.06	> 3.00	0.3	28.2	12.8	0.107	12.7	7.4	45.9	< 0.001	0.13	< 0.1	15	< 0.1	6.7	< 1	588	< 0.1	0.9	< 0.1	4.4	0.251	0.39

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
162873	0.5	3.12	2300	0.05	1.52	0.1	14	66.6	0.062	1.3	3.1	3.7	< 0.001	0.1	< 0.1	44	< 0.1	4.6	< 1	99.6	< 0.1	1	< 0.1	0.9	0.26	< 0.05
162874	0.1	6.99	1350	0.13	< 0.01	0.1	4.8	297	0.025	< 0.5	1.1	0.3	< 0.001	< 0.01	0.1	38	< 0.1	1.5	< 1	17.3	< 0.1	0.2	< 0.1	0.3	0.238	< 0.05
162875	0.3	2.38	1500	0.13	> 3.00	1.2	5.1	189	0.028	51.8	1	6.9	< 0.001	0.15	1.1	43	< 0.1	1.9	< 1	134	< 0.1	0.5	< 0.1	0.3	0.309	< 0.05
162876	0.2	2.97	1860	< 0.05	2.57	< 0.1	7.5	31	0.023	< 0.5	1.6	2.1	< 0.001	< 0.01	0.1	48	< 0.1	2.5	< 1	97.2	< 0.1	0.3	< 0.1	0.5	0.254	< 0.05
162877	0.3	3.78	1860	0.07	1.18	0.2	6.1	220	0.024	1.8	1.3	11.7	< 0.001	0.03	0.5	50	< 0.1	2.1	< 1	184	< 0.1	0.5	< 0.1	0.8	0.308	< 0.05
162878	0.2	3.99	1900	0.24	2.57	0.8	6.6	121	0.028	2.2	1.5	9.7	0.002	0.12	0.3	46	< 0.1	2.2	< 1	75.8	< 0.1	0.4	< 0.1	0.4	0.55	< 0.05
162879	0.2	2.2	2080	0.54	1.59	0.6	5.5	200	0.026	6.2	1.2	11.2	0.001	0.33	1.8	44	< 0.1	2	< 1	202	< 0.1	0.4	< 0.1	0.4	0.474	< 0.05
162880	0.2	1.4	246	0.97	> 3.00	4.9	18.7	26.8	0.044	1.3	5.6	16.1	< 0.001	< 0.01	0.4	8	< 0.1	3.6	3	138	0.4	0.4	< 0.1	7	0.173	< 0.05
162881	0.1	0.57	595	0.57	> 3.00	2.3	13.8	9.6	0.039	3.3	4.2	29.3	< 0.001	0.03	0.1	5	< 0.1	2.3	< 1	200	0.2	0.2	< 0.1	4.1	0.103	0.14
162882	< 0.1	0.7	435	0.11	2.3	0.3	17.1	10.6	0.062	7.8	4.9	26.7	< 0.001	< 0.01	< 0.1	8	< 0.1	3.4	< 1	233	< 0.1	0.3	< 0.1	4	0.221	0.28
162883	0.1	0.69	385	0.24	2.2	2.1	14.9	10.8	0.067	6.3	4.2	44.7	< 0.001	0.17	0.4	9	< 0.1	2.9	< 1	222	< 0.1	0.3	< 0.1	3.4	0.285	0.49
162884	0.3	3.21	4240	0.88	1.98	3.1	22	156	0.202	6.4	5.6	20.7	< 0.001	1.72	1.1	17	< 0.1	5.7	1	290	< 0.1	0.8	< 0.1	4.4	0.55	0.12
162885	< 0.1	0.51	300	0.75	1.34	1.4	5.8	7.5	0.052	1.4	1.7	20.4	< 0.001	0.02	0.4	4	< 0.1	1.2	< 1	98.1	0.1	0.1	< 0.1	1.9	0.192	0.12
162886	0.2	3.23	1550	0.06	1.42	0.1	6.2	174	0.026	1.2	1.3	0.5	0.001	0.14	0.2	44	< 0.1	2	< 1	141	< 0.1	0.5	< 0.1	0.4	0.337	< 0.05
162887	0.3	2.37	1950	0.07	2.72	< 0.1	6	189	0.023	< 0.5	1.3	1.4	< 0.001	0.12	< 0.1	49	< 0.1	2.1	< 1	137	< 0.1	0.5	< 0.1	0.4	0.289	< 0.05
162888	0.3	4.57	1460	0.43	1.81	0.7	5.1	125	0.024	0.6	1	1.6	< 0.001	0.17	0.7	43	< 0.1	1.9	< 1	132	< 0.1	0.4	< 0.1	0.2	0.482	< 0.05
162889	< 0.1	0.82	422	0.22	> 3.00	0.8	13.5	15.3	0.057	16.9	3.8	51	< 0.001	< 0.01	0.3	8	< 0.1	2.7	< 1	352	< 0.1	0.3	< 0.1	3	0.273	0.4
162890	0.1	0.86	279	2.02	0.76	2.2	12.3	7.8	0.011	1.8	3.7	14.5	< 0.001	< 0.01	0.2	3	< 0.1	2.4	2	55.7	< 0.1	0.2	< 0.1	4.5	0.0987	0.06

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
162891	0.3	0.6	66	0.19	> 3.00	8.3	7.1	1.6	0.003	1.1	2.1	17.7	< 0.001	< 0.01	< 0.1	3	< 0.1	1.9	2	65.8	0.9	0.4	< 0.1	7.5	0.0528	0.05
162892	0.3	1.24	97	0.37	2.47	7.9	22.8	1.8	0.004	1.1	6.9	23.8	< 0.001	< 0.01	< 0.1	3	< 0.1	4.6	2	50.7	0.9	0.5	< 0.1	8.7	0.0658	0.11
162893	0.4	2.61	647	3.56	2.23	1	11.8	56.6	0.048	5.9	3.3	19	< 0.001	0.36	0.1	32	< 0.1	2.7	4	47.4	< 0.1	0.5	< 0.1	3.1	0.55	0.09
162894	0.2	0.67	202	0.19	> 3.00	3.7	10.5	16.8	0.034	1.6	3	18.8	< 0.001	< 0.01	0.2	8	< 0.1	2.1	3	94.2	0.3	0.3	< 0.1	7.6	0.226	0.1
162895	0.1	2.26	1360	0.13	2.11	< 0.1	3.8	220	0.019	< 0.5	0.8	22.9	< 0.001	0.09	< 0.1	42	< 0.1	1.3	< 1	84.8	< 0.1	0.2	< 0.1	0.3	0.22	0.11
162896	0.4	1.28	826	0.15	> 3.00	0.8	26.3	11.8	0.097	12.3	6.8	59.6	< 0.001	0.1	< 0.1	13	< 0.1	6.2	< 1	537	< 0.1	0.8	< 0.1	3.6	0.31	0.37
162897	0.2	0.72	158	1.55	> 3.00	6.4	15.9	18.8	0.03	3.3	4.8	24	< 0.001	0.26	0.2	7	< 0.1	2.9	2	143	0.3	0.3	< 0.1	7.7	0.256	0.15
162898	0.2	1	190	2.55	> 3.00	1	18.3	17.1	0.064	3.7	5.5	28	< 0.001	0.1	0.5	11	< 0.1	3.5	4	154	< 0.1	0.3	< 0.1	10.9	0.324	0.28
162899	0.1	2.68	1420	0.29	> 3.00	0.4	9.3	171	0.032	4.9	2.4	26.9	< 0.001	0.02	0.2	31	< 0.1	2.3	< 1	182	< 0.1	0.3	< 0.1	2	0.346	0.17
162900	< 0.1	0.65	363	0.32	2.53	1.2	9.9	12.2	0.035	11.9	2.8	36	< 0.001	0.01	0.3	5	< 0.1	1.7	< 1	251	< 0.1	0.2	< 0.1	2	0.185	0.28
162951	< 0.1	0.69	358	0.47	> 3.00	2	14.7	12.8	0.056	7.2	4.1	29.9	< 0.001	0.06	0.2	6	< 0.1	2.9	< 1	403	0.1	0.2	< 0.1	3.2	0.222	0.3
162952	< 0.1	0.07	78	1.05	2.43	0.6	1.2	3.3	0.008	1.1	0.4	7.9	0.005	< 0.01	0.2	1	< 0.1	0.3	< 1	108	< 0.1	< 0.1	< 0.1	0.4	0.0419	< 0.05
162953	0.6	0.84	496	0.61	> 3.00	1.7	24.4	12.7	0.041	9.7	5.9	26.2	< 0.001	0.1	0.1	14	< 0.1	6.9	2	348	0.3	1	< 0.1	7.5	0.378	0.25
162954	0.6	1.01	583	0.55	2.52	0.4	16.1	14.5	0.051	5.4	4.4	24.3	< 0.001	0.14	< 0.1	15	< 0.1	4.3	< 1	131	< 0.1	0.8	< 0.1	5.5	0.137	0.23
162955	0.2	0.24	220	6.65	2.84	7.3	6.5	7.6	0.006	4.1	1.8	19.9	< 0.001	0.01	0.2	4	< 0.1	1.6	2	93.8	0.6	0.3	< 0.1	6.9	0.064	0.15
162956	0.2	0.51	463	4.62	2.67	3.4	11.1	27.4	0.029	3.9	3.2	23.3	< 0.001	0.05	0.1	9	< 0.1	2.3	1	116	0.2	0.3	< 0.1	4.2	0.261	0.26

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
162957	< 0.1	0.74	405	0.25	> 3.00	0.3	11.1	13.5	0.055	7.5	3.1	36.2	< 0.001	< 0.01	< 0.1	6	< 0.1	2.3	< 1	352	< 0.1	0.2	< 0.1	2.7	0.138	0.35
162958	< 0.1	0.26	197	1.52	1.41	1.1	1.6	8.5	0.014	2	0.4	12.3	< 0.001	0.01	0.2	3	< 0.1	0.3	< 1	105	< 0.1	< 0.1	< 0.1	1.2	0.0739	0.1
162959	< 0.1	0.49	379	1.19	2.95	1.2	11.6	16.6	0.026	3.3	3.6	17.3	< 0.001	< 0.01	0.3	4	< 0.1	2	< 1	195	< 0.1	0.2	< 0.1	3.4	0.169	0.12
162960	0.2	2.73	2130	0.62	1.45	2.8	19.9	129	0.153	4.9	5.2	26.2	< 0.001	0.75	0.2	20	2.4	4.6	2	341	< 0.1	0.7	< 0.1	3.9	0.408	0.12
162961	< 0.1	0.28	181	1.51	1.6	2.1	7.8	4.5	0.021	69.7	2.4	34.2	0.002	0.02	0.4	4	< 0.1	1.3	2	332	0.1	0.1	< 0.1	3.7	0.135	0.14
162962	< 0.1	0.71	394	1.48	1.16	2.8	7.2	11.8	0.035	11.3	2.1	44.5	< 0.001	< 0.01	0.3	7	< 0.1	1.2	2	165	0.1	0.1	< 0.1	2.3	0.19	0.22
162963	0.1	0.59	396	1.28	2.94	4.5	12.8	10.7	0.044	12.1	4	36.9	< 0.001	0.07	0.3	6	1.1	2	2	275	0.2	0.2	< 0.1	4.7	0.253	0.2
162964	0.1	0.52	472	1.12	2.01	1.9	13.6	14.1	0.062	10.3	3.7	24.9	< 0.001	< 0.01	0.5	9	1.9	2.5	2	499	< 0.1	0.3	< 0.1	2.6	0.244	0.12
162965	0.2	4.05	1340	0.37	1.2	1.5	3.7	132	0.017	2.2	0.8	0.7	< 0.001	0.05	0.7	41	1	1.2	2	100	< 0.1	0.3	< 0.1	0.2	0.389	< 0.05
162966	0.1	2.62	1910	0.19	0.92	1.7	2.5	173	0.017	5.9	0.6	15.8	< 0.001	< 0.01	0.1	40	< 0.1	0.7	2	75.4	< 0.1	0.2	< 0.1	0.2	0.453	0.12
162967	0.2	1.14	2060	0.68	0.63	2.6	5.4	92.9	0.028	3.7	1.1	< 0.2	< 0.001	0.03	0.5	31	0.6	1.7	2	434	0.1	0.4	< 0.1	0.2	0.55	< 0.05
162968	0.3	2.04	2440	0.49	0.46	5.7	6.5	74.4	0.067	2.8	1.5	1.6	0.003	0.18	0.7	15	0.5	2	2	109	0.3	0.4	< 0.1	0.2	0.928	< 0.05
162969	0.2	2.44	2720	0.23	0.78	1.7	5.2	92.5	0.023	9	1.1	13.1	0.001	0.3	1.4	43	0.9	1.6	2	104	< 0.1	0.2	< 0.1	0.3	0.463	0.07
162970	0.2	1.8	2310	0.23	1.91	1	7.8	96	0.038	3.1	1.8	15.2	< 0.001	0.2	1.1	42	2.2	2.2	2	101	< 0.1	0.3	< 0.1	0.5	0.35	0.08
162971	0.3	1.71	1860	0.13	1.22	0.8	9.5	105	0.045	2.9	2.2	29.1	0.001	0.32	0.6	41	0.6	2.7	1	139	< 0.1	0.3	< 0.1	0.5	0.352	0.11
162972	0.4	1.27	774	0.52	2.72	4.1	31.3	15.3	0.111	14.3	8.3	85.6	< 0.001	0.11	< 0.1	16	0.3	6.2	2	617	0.2	0.8	< 0.1	3.9	0.422	0.42
162973	0.2	2.03	1550	0.33	2.04	0.6	9.6	90.9	0.043	2	2.1	11.9	< 0.001	0.08	0.5	41	0.8	2.6	1	84.4	< 0.1	0.3	< 0.1	0.5	0.418	0.07
162974	0.2	2.3	1360	0.39	0.76	0.2	4.2	122	0.02	2.7	0.9	22.9	< 0.001	0.04	0.3	37	0.5	1.3	1	88.1	< 0.1	0.2	< 0.1	0.2	0.279	0.09
162975	< 0.1	0.76	477	1.17	2.01	4.1	17	16.8	0.075	8.5	4.8	52	< 0.001	0.01	0.1	12	0.2	2.9	2	167	0.2	0.2	< 0.1	3.5	0.256	0.28
162976	0.2	3.36	242	1.18	0.48	5.7	8.3	15.4	0.042	5	2.5	33.4	< 0.001	< 0.01	< 0.1	8	1	1.4	6	59	0.3	0.2	< 0.1	7.2	0.27	0.12

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
162977	0.2	0.9	291	1.2	2.08	5.3	22.3	6.2	0.031	4.8	6.7	34.9	< 0.001	< 0.01	< 0.1	6	0.8	3.9	3	88	0.1	0.4	< 0.1	7.9	0.213	0.12
162978	0.2	0.36	126	1.73	2.7	2.7	3.2	5.2	0.034	3.2	0.8	25.4	< 0.001	< 0.01	< 0.1	8	0.5	0.8	4	77.6	< 0.1	0.2	< 0.1	5.8	0.296	0.08
162979	0.2	0.94	206	1.45	2.17	5.2	20.5	4.5	0.025	3.7	5.8	30.1	< 0.001	< 0.01	0.2	5	< 0.1	3.8	8	93.6	0.2	0.4	< 0.1	7.2	0.201	0.16
162980	0.2	0.63	265	1.07	> 3.00	9.3	10.9	8	0.034	2.3	3.3	25	< 0.001	< 0.01	< 0.1	5	0.3	1.9	7	72.8	0.6	0.3	< 0.1	5.6	0.187	0.09
162981	0.2	0.56	310	1.23	1.91	8.5	20.1	6.7	0.033	3.6	6	30.3	< 0.001	0.35	< 0.1	5	< 0.1	3.5	5	105	0.7	0.4	< 0.1	6.6	0.16	0.1
162982	< 0.1	< 0.01	< 1	< 0.05	< 0.01	< 0.1	< 0.1	< 0.5	0.037	< 0.5	< 0.1	< 0.2	< 0.001	0.28	< 0.1	5	2.9	< 0.1	1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.18	< 0.05
162983	0.2	0.43	259	1.41	2.75	9.3	16.3	4.4	0.062	3.4	4.8	29	< 0.001	0.01	< 0.1	7	< 0.1	2.8	5	92.1	0.7	0.4	< 0.1	6	0.232	0.09
162984	0.3	2.63	3570	1.55	1.28	1.7	21.8	119	0.177	6.6	5.6	23.9	0.001	1.62	0.7	18	1.3	4.7	2	293	< 0.1	0.7	< 0.1	4.4	0.469	0.1
162985	0.1	0.96	481	1.4	> 3.00	4.7	11.6	10	0.053	7.4	3.4	26.5	< 0.001	0.01	0.5	7	1.3	2.1	2	448	0.4	0.2	< 0.1	2.5	0.201	0.13
162986	< 0.1	0.65	325	0.25	2.41	1.5	13.3	9.6	0.052	8	3.9	82.1	< 0.001	< 0.01	0.5	6	1.2	2.2	2	414	< 0.1	0.2	< 0.1	3.2	0.213	0.46
162987	< 0.1	0.53	283	0.3	2.4	1.9	14.1	9.7	0.062	9.2	4	65.3	< 0.001	0.03	0.4	7	0.9	2.3	2	498	0.1	0.2	< 0.1	3.1	0.218	0.42
162988	0.3	2.29	2530	0.1	1.36	0.5	9.6	63.5	0.042	1.7	2.2	7.6	0.002	0.08	0.4	47	1.9	2.7	1	123	< 0.1	0.6	< 0.1	0.6	0.355	0.06
162989	< 0.1	2.94	1180	0.16	1.52	2	2.7	124	0.024	1	0.6	< 0.2	0.001	0.05	5.3	23	1.2	0.9	2	89.1	0.1	0.1	< 0.1	< 0.1	0.482	< 0.05
162990	0.1	2.4	1830	0.31	0.49	1.5	4.6	81.5	0.023	0.8	1	11.3	< 0.001	0.27	5.5	39	2.1	1.3	2	76.8	< 0.1	0.1	< 0.1	0.3	0.441	0.07
162991	0.2	2.22	1740	0.18	0.17	0.3	4.1	140	0.018	1.1	0.9	1.3	< 0.001	0.03	0.8	44	< 0.1	1.3	1	170	< 0.1	0.3	< 0.1	0.2	0.345	< 0.05
162992	0.2	2.96	1340	0.22	1.21	0.4	3.7	134	0.014	0.8	0.8	3.5	< 0.001	0.04	0.2	41	0.6	1.2	1	102	< 0.1	0.3	< 0.1	0.2	0.322	< 0.05
162993	0.3	3.75	1210	0.13	2.05	0.3	5.3	179	0.021	1.1	1.1	1.6	0.001	0.15	0.4	56	1.7	1.7	1	152	< 0.1	0.4	< 0.1	0.2	0.258	< 0.05
162994	< 0.1	0.23	587	3.02	0.04	0.5	1.1	11.1	0.013	0.8	0.3	3.4	0.007	0.01	0.9	6	1.1	0.3	2	9.4	< 0.1	< 0.1	< 0.1	0.1	0.0251	< 0.05
162995	< 0.1	2.47	1400	1.19	0.9	1	4.4	75	0.017	1.3	1	36.7	0.012	0.4	1.7	30	1.3	1.3	2	109	< 0.1	0.2	< 0.1	0.2	0.228	0.2

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
162996	0.4	1.3	767	0.32	2.51	2.3	29.4	12.6	0.095	14.3	7.8	87.4	0.001	0.11	< 0.1	16	0.4	6	2	599	< 0.1	0.8	< 0.1	4.4	0.31	0.44
162997	0.2	5.72	1580	0.32	0.84	0.9	5.9	254	0.025	1.3	1.3	1.2	0.002	0.05	0.4	41	1.6	1.7	1	130	< 0.1	0.4	< 0.1	0.3	0.349	< 0.05
162998	< 0.1	0.29	158	0.49	> 3.00	0.9	8.6	3.8	0.031	10.9	2.4	63.3	0.006	0.04	0.4	3	< 0.1	1.4	2	382	< 0.1	< 0.1	< 0.1	1.7	0.174	0.37
162999	0.1	3.77	1430	0.22	1.64	1.4	5	124	0.023	0.9	1.2	4.2	< 0.001	0.22	0.5	37	< 0.1	1.2	1	41.9	< 0.1	0.2	< 0.1	0.3	0.472	< 0.05
163000	0.2	1.09	1490	0.67	1.07	0.2	4.9	189	0.02	1.9	1.1	17.9	0.002	0.06	0.3	36	< 0.1	1.9	1	79.7	< 0.1	0.2	< 0.1	0.6	0.343	0.09
161951	0.2	4.3	1190	0.15	1.71	0.5	4.3	226	0.019	1.7	0.9	0.9	< 0.001	0.23	0.4	30	2.5	1.3	2	82.7	< 0.1	0.3	< 0.1	0.2	0.261	< 0.05
161952	0.3	3.67	1560	< 0.05	1.66	0.2	6.2	96.6	0.021	0.7	1.3	0.9	0.001	0.05	0.3	46	0.7	1.9	1	86.5	< 0.1	0.5	< 0.1	0.4	0.28	< 0.05
161953	0.3	1.67	2020	< 0.05	0.11	0.2	6.8	99.3	0.03	1.9	1.5	57.6	< 0.001	0.14	0.5	42	0.3	1.9	1	65.6	< 0.1	0.4	< 0.1	0.4	0.255	0.19
161954	< 0.1	0.47	335	2.57	0.1	0.7	1.1	15.7	0.011	0.6	0.2	5.6	< 0.001	0.02	2.1	10	< 0.1	0.3	1	10.3	< 0.1	< 0.1	< 0.1	0.1	0.104	< 0.05
161955	0.2	0.33	215	1.37	1.65	3.2	3.9	8.1	0.028	2.5	1	41.3	< 0.001	0.02	< 0.1	7	0.9	0.9	5	83.1	0.2	0.2	0.2	4.6	0.185	0.14
161956	< 0.1	0.07	85	2.95	0.08	1.3	1.4	42.1	0.008	7.7	0.4	2.8	< 0.001	0.75	0.2	1	2	0.2	2	15.9	< 0.1	< 0.1	< 0.1	0.5	0.0237	< 0.05
161957	< 0.1	0.02	74	3.85	0.04	0.6	0.1	110	0.009	9.1	< 0.1	0.9	< 0.001	2.65	0.6	< 1	6.9	< 0.1	2	2.8	< 0.1	< 0.1	0.4	< 0.1	0.0047	< 0.05
161958	< 0.1	0.05	89	1.75	0.04	0.4	1.6	349	0.041	19.3	0.5	1.1	< 0.001	7.34	0.8	< 1	9.6	0.3	2	2.2	< 0.1	< 0.1	0.8	0.2	0.0059	< 0.05
161959	0.4	0.71	151	1.68	2.77	8.4	30.9	7	0.038	3.9	8.2	46.3	0.001	0.31	< 0.1	7	< 0.1	11.3	15	113	0.1	0.7	0.1	7.5	0.261	0.23
161960	0.3	3.03	2170	0.4	1.57	0.8	20.5	134	0.132	5	5.3	26.9	< 0.001	0.71	0.2	20	1.2	4.6	2	349	< 0.1	0.7	< 0.1	4	0.349	0.1
161961	0.3	3.57	1530	0.78	1.62	0.5	6.3	56.6	0.033	4.2	1.4	4.2	< 0.001	0.61	< 0.1	49	1.5	1.8	16	55.5	< 0.1	0.4	< 0.1	0.4	0.406	0.05
161962	0.2	1.11	631	1.01	0.48	0.9	2.4	37.2	0.01	8	0.5	1.3	< 0.001	0.14	0.2	23	1.5	0.8	10	130	< 0.1	0.2	< 0.1	0.1	0.204	< 0.05
161963	0.3	3.47	1340	0.35	0.66	1.8	5.8	79.5	0.026	9.2	1.2	1.9	< 0.001	0.13	< 0.1	44	1.4	1.8	6	116	< 0.1	0.4	< 0.1	0.3	0.524	< 0.05
161964	0.2	1.6	623	0.68	2.17	4.1	13.5	32.6	0.042	26.5	3.8	17.4	< 0.001	0.15	< 0.1	16	1.3	2.7	3	208	0.2	0.4	< 0.1	3.3	0.377	0.07
161965	0.2	0.1	110	1.34	2.87	8.6	8.6	9	0.013	14.6	2.5	52.7	< 0.001	0.01	0.1	3	1.4	1.8	7	68.9	0.5	0.3	< 0.1	10.8	0.0653	0.17
161966	< 0.1	0.16	106	1.26	0.21	2.8	0.6	6.2	0.005	22.2	0.2	29.8	< 0.001	0.57	0.2	1	5.5	0.2	14	9.1	0.3	< 0.1	0.2	2.8	0.0081	0.11

Sample No	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS
	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
161967	0.5	0.13	197	1.26	0.16	13.4	18	2.7	0.008	6.9	5.2	31.4	< 0.001	0.06	0.1	3	0.3	4.2	61	185	1.5	0.8	< 0.1	10.7	0.0705	0.13
161968	0.3	0.31	188	2.24	1.63	9.1	15.9	2.4	0.009	5.8	4.8	48.6	< 0.001	0.02	< 0.1	3	< 0.1	3.4	9	35.7	0.7	0.5	< 0.1	8.9	0.0634	0.22
161969	< 0.1	0.18	99	12.2	0.02	2.6	0.8	2	0.006	23.6	0.2	31.6	0.011	0.15	< 0.1	< 1	1.6	0.2	11	5.2	0.2	< 0.1	0.3	2.1	0.0207	0.12
161970	< 0.1	0.04	72	3.18	0.02	0.9	1	3.1	0.006	59.9	0.3	19.2	< 0.001	0.25	0.2	< 1	3.4	0.2	5	0.7	< 0.1	< 0.1	0.2	0.5	0.01	0.06
161971	0.1	0.12	123	2.09	2.44	3.6	3.5	30.4	0.004	16.3	1.1	9.6	< 0.001	0.69	0.2	1	5	0.7	5	61.3	0.5	0.1	0.3	3.8	0.016	< 0.05
161972	0.4	1.34	781	0.23	2.46	1.6	31.2	14.5	0.108	12.6	8.2	100	< 0.001	0.12	< 0.1	17	1	6.3	2	562	< 0.1	0.9	< 0.1	4.1	0.265	0.45
161973	0.2	0.13	97	2.34	> 3.00	8.8	9	7.5	0.005	10.9	2.9	7.2	< 0.001	0.37	0.1	2	3	1.8	3	89.6	1.3	0.3	< 0.1	9.8	0.0277	< 0.05

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162856	0.3	0.1	278	< 0.1	17.4	1.5	104	24	A15-8058
162857	< 0.1	0.3	18	0.1	1.2	0.1	8.6	2	A15-8058
162858	0.2	1.1	52	0.2	12.2	1.3	58.1	111	A15-8058
162859	< 0.1	0.8	30	< 0.1	5.9	0.6	37.6	66	A15-8058
162860	0.3	1.2	156	0.2	22.4	1.6	145	114	A15-8058
162861	0.2	< 0.1	257	< 0.1	14.9	1.4	99.7	6	A15-8058
162862	0.3	< 0.1	234	< 0.1	19.1	1.8	116	17	A15-8058
162863	< 0.1	< 0.1	296	< 0.1	5	0.7	132	43	A15-8058
162864	0.2	0.2	140	< 0.1	9.9	1.2	113	68	A15-8058
162865	0.6	0.9	237	< 0.1	35.3	3.3	150	93	A15-8058
162866	0.2	< 0.1	221	0.2	13.7	1.3	81.3	25	A15-8058
162867	0.4	0.2	187	< 0.1	23.5	2.1	440	13	A15-8058
162868	0.3	0.1	270	< 0.1	17.8	1.7	147	11	A15-8058
162869	0.3	< 0.1	275	< 0.1	16.3	1.5	98.4	4	A15-8058
162870	0.3	0.6	222	< 0.1	16.4	1.5	113	2	A15-8058
162871	0.2	< 0.1	231	< 0.1	15.1	1.3	132	6	A15-8058
162872	0.4	1.4	79	< 0.1	28.1	2.4	113	76	A15-8058

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162873	0.6	0.2	129	< 0.1	39.7	3.5	170	4	A15-8058
162874	< 0.1	0.1	193	< 0.1	4.5	0.7	166	42	A15-8058
162875	0.3	0.1	260	0.1	19	1.9	253	37	A15-8058
162876	0.2	< 0.1	394	< 0.1	10.2	1.2	83.3	46	A15-8058
162877	0.3	0.4	239	< 0.1	18.6	1.9	92.5	45	A15-8058
162878	0.3	0.1	293	< 0.1	16.6	1.6	132	35	A15-8058
162879	0.3	0.1	250	< 0.1	17.5	1.7	225	12	A15-8058
162880	0.2	1.2	51	0.6	13.6	1.3	15.8	83	A15-8058
162881	0.1	0.8	47	0.2	8.6	0.8	64.2	58	A15-8058
162882	0.1	1.3	58	< 0.1	8.8	0.7	56.5	60	A15-8058
162883	0.1	1.3	72	1.4	7.7	0.7	61.6	90	A15-8058
162884	0.3	1.5	108	0.3	23	1.8	159	50	A15-8058
162885	< 0.1	0.5	29	0.1	4.3	0.4	49.7	27	A15-8058
162886	0.3	0.1	213	< 0.1	18.9	1.7	91.5	7	A15-8058
162887	0.3	0.1	185	< 0.1	19.3	1.8	107	5	A15-8058
162888	0.3	< 0.1	245	< 0.1	18.1	1.7	104	10	A15-8058
162889	0.1	1.1	69	< 0.1	7.2	0.6	66.4	65	A15-8058
162890	< 0.1	0.9	18	0.6	6.8	0.6	12.3	24	A15-8058

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162891	0.3	1.8	< 1	0.3	17.8	1.9	5.3	117	A15-8058
162892	0.3	2.2	< 1	0.5	20.9	2.1	10.8	126	A15-8058
162893	0.4	1.1	251	2.3	22.7	2.3	88.6	91	A15-8058
162894	0.1	1	47	0.4	9.4	0.9	20.5	105	A15-8058
162895	0.1	< 0.1	195	< 0.1	5.5	0.7	90.3	22	A15-8058
162896	0.4	1.5	92	< 0.1	26.5	2.3	101	109	A15-8058
162897	0.1	1.3	42	0.8	9.4	0.9	30.7	109	A15-8058
162898	0.2	1.9	82	< 0.1	10.9	1.1	47.3	147	A15-8058
162899	0.1	0.6	193	< 0.1	8.3	0.8	122	50	A15-8058
162900	< 0.1	0.7	40	0.1	4.2	0.4	33.6	61	A15-8058
162951	< 0.1	1.1	52	0.1	6.4	0.5	63.2	78	A15-8058
162952	< 0.1	0.2	11	< 0.1	0.9	< 0.1	7.8	5	A15-8058
162953	0.6	1.7	78	< 0.1	37.9	4	76.4	172	A15-8058
162954	0.6	2.2	22	< 0.1	33.4	3.9	96.8	64	A15-8058
162955	0.2	1.5	19	0.7	11.2	1.4	43.3	36	A15-8058
162956	0.2	1	60	0.6	11.1	1.2	46.7	80	A15-8058

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162957	< 0.1	1	37	< 0.1	6	0.5	58.1	67	A15-8058
162958	< 0.1	0.4	28	0.2	2.6	0.2	34.5	6	A15-8058
162959	0.1	0.6	35	< 0.1	6.4	0.6	44.7	15	A15-8058
162960	0.3	0.9	58	< 0.1	24.5	1.6	107	5	A15-8405
162961	< 0.1	0.7	34	0.1	4.3	0.3	22.2	74	A15-8405
162962	< 0.1	0.4	73	0.4	4.8	0.4	47.4	69	A15-8405
162963	0.1	0.8	45	0.1	8.8	0.8	51	95	A15-8405
162964	0.1	0.6	70	< 0.1	10.1	0.7	35.7	90	A15-8405
162965	0.2	< 0.1	200	< 0.1	15.8	1.4	69.6	16	A15-8405
162966	0.1	< 0.1	241	< 0.1	5.9	0.8	87	49	A15-8405
162967	0.3	< 0.1	296	< 0.1	18.9	1.7	98.5	21	A15-8405
162968	0.3	0.2	298	< 0.1	15.5	2	146	35	A15-8405
162969	0.2	< 0.1	241	< 0.1	7.3	1	106	55	A15-8405
162970	0.2	0.1	219	< 0.1	9.6	1.4	157	65	A15-8405
162971	0.2	0.1	219	0.4	11	1.5	130	70	A15-8405
162972	0.4	2	99	< 0.1	33.7	2.5	87.8	140	A15-8405
162973	0.1	0.1	245	< 0.1	8.7	1.2	122	87	A15-8405
162974	0.1	7.7	179	< 0.1	7.7	0.9	67.6	38	A15-8405
162975	0.1	0.4	80	0.3	7.9	0.7	62.2	80	A15-8405
162976	0.2	1.6	46	1	13.6	1.2	30.2	152	A15-8405

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162977	0.2	1.5	26	0.4	14.9	1.3	25.6	176	A15-8405
162978	0.2	1.6	33	0.1	15.2	1.5	10.1	229	A15-8405
162979	0.2	1.3	21	0.9	11.8	1.2	17.1	39	A15-8405
162980	0.2	1.5	32	0.9	15.7	1.4	35.3	178	A15-8405
162981	0.2	1.3	25	0.3	15.4	1.2	39.4	155	A15-8405
162982	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.2	< 1	A15-8405
162983	0.2	1.5	25	0.3	15.8	1.3	22.8	174	A15-8405
162984	0.3	1.2	93	< 0.1	26.4	1.7	124	65	A15-8405
162985	< 0.1	0.6	51	< 0.1	8.1	0.7	62.3	99	A15-8405
162986	< 0.1	0.9	44	< 0.1	6.1	0.4	57.9	78	A15-8405
162987	< 0.1	1.4	48	0.2	7.6	0.5	56.3	96	A15-8405
162988	0.2	0.1	219	< 0.1	19.5	1.7	137	46	A15-8405
162989	< 0.1	< 0.1	230	< 0.1	2.7	0.4	92.9	23	A15-8405
162990	< 0.1	< 0.1	221	< 0.1	4.4	0.7	93.3	51	A15-8405
162991	0.2	< 0.1	190	< 0.1	16.1	1.3	69.1	12	A15-8405
162992	0.2	< 0.1	192	< 0.1	15.8	1.3	73.7	8	A15-8405
162993	0.3	< 0.1	172	< 0.1	22.9	1.9	76.8	7	A15-8405
162994	< 0.1	< 0.1	21	< 0.1	1.4	0.1	10.8	3	A15-8405
162995	< 0.1	< 0.1	176	0.2	5	0.5	60.1	32	A15-8405

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
162996	0.4	1.2	82	< 0.1	34.2	2.6	87.5	119	A15-8405
162997	0.3	< 0.1	194	< 0.1	21.7	1.8	84	16	A15-8405
162998	< 0.1	0.6	28	0.4	2.3	0.1	46	88	A15-8405
162999	0.1	< 0.1	224	< 0.1	8.7	0.9	117	15	A15-8405
163000	0.1	< 0.1	177	< 0.1	6.2	1	81	37	A15-8405
161951	0.2	< 0.1	125	< 0.1	14.8	1.2	53.1	11	A15-8405
161952	0.3	< 0.1	250	< 0.1	23.9	1.9	89	5	A15-8405
161953	0.3	< 0.1	154	< 0.1	20.5	1.9	89.3	41	A15-8405
161954	< 0.1	< 0.1	50	< 0.1	3	0.3	13.9	9	A15-8405
161955	0.1	0.9	29	0.8	10.6	1.2	12.3	57	A15-8405
161956	< 0.1	0.3	5	0.1	1.9	0.2	8.3	6	A15-8405
161957	< 0.1	< 0.1	< 1	< 0.1	0.3	< 0.1	5.2	3	A15-8405
161958	< 0.1	0.2	3	0.1	1.9	0.1	17.6	2	A15-8405
161959	0.3	1.3	27	57.8	21.4	2.3	22.6	177	A15-8405
161960	0.3	1	63	0.2	24.7	1.7	110	45	A15-8405
161961	0.3	< 0.1	226	0.2	21.8	2.2	146	22	A15-8405
161962	0.2	< 0.1	224	0.6	15	1.4	33.9	12	A15-8405
161963	0.3	< 0.1	226	0.3	21.5	1.9	101	18	A15-8405
161964	0.2	0.8	94	0.2	19.3	1.6	79.7	158	A15-8405
161965	0.2	1.3	7	1.3	14.1	1.3	35.3	92	A15-8405
161966	< 0.1	0.4	3	0.7	4.4	0.5	222	18	A15-8405

Sample No	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS	File No
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
161967	0.5	2.8	10	0.6	40.3	3.3	20.3	124	A15-8405
161968	0.3	1.6	5	1.6	26.1	2.1	90	96	A15-8405
161969	< 0.1	0.4	4	1	6.4	0.6	954	23	A15-8405
161970	< 0.1	0.3	< 1	0.2	4.5	0.3	376	6	A15-8405
161971	0.1	1.1	3	0.3	8.2	0.7	76.6	31	A15-8405
161972	0.4	1.3	78	< 0.1	36.3	2.7	89.5	92	A15-8405
161973	0.2	3	3	0.8	13.8	1.3	20.2	61	A15-8405

Sample Descriptions – WRA Samples

Date	Geologist	TME Project Area	Property	UTM Easting (Stn)	UTM Northing (Stn)	Elevation (Stn)	Number	Type	Lithology	Rock Code	Description	Au (ppb)
6/19/2015	Steven Roach	TME East		439713	5269490		163351	rock grab	Granodiorite		Quartz Diorite - greenish grey to local pinkish hue fresh colour; intermediate composition with 5% mg blue quartz eyes-size <0.3cm, 20-30% feldspar, 5-15% quartz phenocrysts with a very fine grained weak carbonate matrix; porphyritic texture; <1: quartz stringers, barren to < 0.5 % PY	5
6/22/2015	Steven Roach	TME East		440348	5270215	403	163352	rock grab	Quartz-Eye Granodiorite		Quartz Eye Quartz Diorite- greenish grey to light green colour; felsic to intermediate composition with weak ser-carb interstitial matrix about 15% to 20% MG to CG (<0.5cm) quartz eyes (sil?); porphyritic texture; <1% quartz stringers (quartz eyes into quartz stringers); <0.5 % PY	5
7/11/2015	Steven Roach	TME East		442293	5268964	414	163353	rock grab	Felsite Sill (Tonalite)		Felsite Sill- pinkish grey fresh colour; felsic composition being sil-cherty like; <1% to 5% VFG (<0.1cm) quartz eyes; 5% scattered VFG amphibole; aphanitic; <1% quartz stringers, 0.5% PY	5
7/11/2015	Steven Roach	TME East		442576	5269141	412	163354	rock grab	Tonalite		Tonalite- beige brownish white to beige grey colour; felsic composition (sil?) with weak ser interstitial matrix; tightly patched vfg to fg (<0.1cm) quartz (inclusive quartz eyes) and feldspar phenocrysts 20% to 30%; porphyritic texture; <1% quarts stringers; occaisoinal PY <0.5 %	5
7/11/2015	Steven Roach	TME East		440597	5269189	410	163355	rock grab	Granodiorite		Quartz Diorite- green to greenish grey colour; intermediate composition with weak chl-carb interstitial matrix about 5% to 7% VFG to MG (0.5cm) quartz eye/quartz phenocrysts; sub-porphyritic texture weakly sheared; <1% quartz stringers; barren to <0.5 % PY	5
7/15/2015	Steven Roach	TME East		439000	5269387	412	163356	rock grab	Granodiorite (Tonalite)		Quartz eye Quartz Diorite- greenish grey, greyish white and grey with pinkish hue; intermediate composition with 5% to 7% FG to CG bluish quartz eyes/quartz phenocrysts (sil alt?) in a VFG AB (kspar?) matrix; 10% to 15% Chl-amp to amphobile; sub porphyritic to equigranular texture; <1% quartz stringers, <0.5% PY	5
7/19/2015	Steven Roach	TME East		437934	5270651	404	163357	rock grab	massive mafic flow		Massive Mafic Flow- green colour; mafic composition with <1% calcite joints (<0.5% CS) ; massive; <1% quartz stringers/quartz carb stringers, <0.5% PY; non magnetic	5
7/19/2015	Steven Roach	TME East		436823	5270365	388	163358	rock grab	felsic tuff		Felsic Tuff- light grey to greenish white colour felsic composition with weak -moderate sericite and weak carb interstitial; <1% to 2% quartz eye/feldspar crystals; massive and weak shearing; <1% quarts stringers; occaisional PY <0.5%	5
				441782	5269656	425	163359	rock grab	Granodiorite-(Tonalite)		Quartz eye Quartz Diorite to Tonalite - light greenish-white to grayish whte colors, felsic to intermediate composition with 40% to 70% albitic fd phenocrysts and 15% to 20% mg to cg bluish quartz eyes/quartz phenocrysts up to 0.5 cm in size, 5% to 10% amp; porphyritic texture; <1% quartz stringers, <0.5% py	5

Number	SiO2_%	TiO2_%	Al2O3_%	Fe2O3(T)_%	CaO_%	MgO_%	Na2O_%	K2O_%	MnO_%	P2O5_%	LOI_%	Total_%	File No
163351	68.48	0.46	13.9	3.62	2.21	1.32	3.67	2.23	0.047	0.12	3	99.06	A15-7860
163352	68.1	0.49	14.52	3.99	0.92	3.65	2.86	1.15	0.017	0.11	2.84	98.65	A15-7860
163353	77.12	0.11	11.81	1.83	0.33	0.74	5.69	0.37	0.014	0.01	0.63	98.67	A15-7860
163354	77.85	0.11	12.09	1.25	0.46	0.38	5.73	0.43	0.007	0.01	0.48	98.8	A15-7860
163355	73.13	0.32	13.35	2.64	0.44	2.22	3.5	1.41	0.026	0.07	1.83	98.94	A15-7860
163356	67.78	0.52	15.23	2.99	1.47	1.9	5.21	1.12	0.03	0.12	2.22	98.59	A15-7860
163357	49.29	0.98	14.8	12.99	9.55	7.19	2.72	0.15	0.203	0.07	2.2	100.2	A15-7860
163358	77.95	0.13	11.83	2.78	0.15	0.87	1.4	2.09	0.022	0.03	1.94	99.19	A15-7860
163359	71.16	0.45	14.47	3.6	0.81	1.38	5.26	0.93	0.025	0.11	1.43	99.63	A15-7860

APPENDIX 3

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-May-15
Invoice No.: A15-03496-Au
Invoice Date: 22-May-15
Your Reference: TME

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

20 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Sudbury (3000ppb upper limit) Au - Fire Assay AA (QOP Fire Assay)
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-03496-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

SAMPLE_NO	Au_FA-AA
	ppb
162701	< 5
162702	< 5
162703	40
162704	1350
162705	1790
162706	899
162707	50
162708	225
162709	176
162710	< 5
162711	< 5
162712	1050
162713	5
162714	< 5
162715	6
162716	< 5
162717	< 5
162718	6
162719	5
162720	< 5

QC

SAMPLE_NO	Au_FA-AA
	ppb
OxD108 Meas	413
OxD108 Cert	414
SG66 Meas	1100
SG66 Cert	1090
162710 Dup	< 5
162720 Dup	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-May-15
Invoice No.: A15-03496-TD
Invoice Date: 01-Jun-15
Your Reference: TME

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

20 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Sudbury (3000ppb upper limit) Au - Fire Assay AA (QOP Fire Assay)
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-03496-TD**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
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E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

SAMPLE_NO	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm
162701	0.53	6.27	1.0	282	1.2	0.10	0.17	< 0.1	22.0	1.3	14.8	0.50	3.5	3.1	2.3	0.33	1.86	18.3	2.6	0.2	4.9	< 10	0.9
162702	0.14	7.61	2.7	247	1.2	0.32	1.85	< 0.1	83.8	12.1	26.9	0.41	8.2	2.5	1.4	1.08	2.61	19.1	4.4	0.6	3.1	< 10	0.6
162703	0.07	7.10	15.5	401	0.8	0.16	0.87	< 0.1	33.3	11.1	32.9	1.82	36.3	1.4	0.9	0.62	3.36	19.5	1.7	0.5	1.8	30	0.4
162704	29.7	0.37	100	31	0.1	36.9	2.09	1.8	4.3	130	47.5	0.22	> 10000	0.7	0.5	0.27	5.70	2.0	0.7	< 0.1	0.4	60	0.2
162705	> 100	3.90	23.6	20	0.6	217	0.12	4.0	27.2	45.7	31.3	0.35	> 10000	2.5	2.0	0.45	11.3	11.7	2.4	0.4	1.8	50	0.6
162706	2.60	3.76	3.9	58	1.3	2.18	0.17	< 0.1	27.1	5.5	42.6	0.66	1160	3.1	1.5	0.68	5.32	9.9	3.9	0.4	2.5	30	0.7
162707	0.91	3.00	27.9	53	0.5	7.42	8.50	0.5	36.1	30.1	463	0.42	652	1.4	0.6	1.14	9.30	10.9	3.2	0.5	3.0	< 10	0.3
162708	37.3	0.65	194	46	0.1	130	3.13	1.2	12.7	237	36.1	0.17	> 10000	1.0	0.5	0.34	8.80	1.5	1.6	0.2	0.3	< 10	0.2
162709	28.7	5.68	53.9	114	1.2	73.2	0.89	< 0.1	71.7	61.3	29.2	0.43	> 10000	2.0	1.0	0.80	4.95	17.2	5.2	0.6	3.5	< 10	0.4
162710	0.84	7.11	0.8	14	0.6	0.24	7.29	< 0.1	10.8	46.6	134	0.11	228	3.4	2.4	0.96	10.3	18.6	3.7	0.4	1.0	< 10	0.9
162711	0.23	8.13	2.4	14	0.2	0.03	8.64	< 0.1	6.4	52.7	171	< 0.05	156	2.4	1.8	0.49	9.14	17.1	2.2	0.6	0.6	20	0.7
162712	0.19	6.95	428	396	1.2	0.05	6.01	< 0.1	39.1	40.8	156	2.21	87.6	4.0	1.8	1.58	9.49	19.2	5.2	0.7	1.9	20	0.9
162713	0.15	9.72	33.4	350	0.9	0.18	1.28	0.2	41.8	19.5	94.7	1.48	73.5	1.4	0.8	1.05	4.43	25.5	2.7	0.7	2.6	< 10	0.3
162714	0.06	8.35	13.6	259	1.2	0.05	5.52	0.2	10.2	38.4	121	2.14	115	2.7	2.0	0.93	6.54	18.9	3.3	0.4	1.1	20	0.8
162715	< 0.05	6.73	26.3	130	0.6	0.10	6.67	< 0.1	13.1	50.0	105	0.91	107	1.2	0.8	0.83	9.52	18.7	1.9	0.8	1.9	< 10	0.3
162716	< 0.05	4.81	10.8	157	0.3	< 0.02	10.8	0.1	11.2	32.1	89.5	1.01	80.2	0.9	0.6	0.96	7.85	14.0	2.0	0.3	1.1	20	0.2
162717	< 0.05	4.99	9.8	227	0.4	< 0.02	8.42	0.1	11.0	31.6	53.8	1.19	111	0.8	0.6	0.57	8.89	15.3	1.7	0.3	1.5	< 10	0.3
162718	< 0.05	9.03	12.4	695	1.1	0.06	2.68	< 0.1	55.1	6.8	14.4	2.12	25.3	0.9	0.5	1.10	2.44	26.3	2.9	0.6	3.1	< 10	0.2
162719	< 0.05	7.28	21.7	580	0.8	0.05	6.29	< 0.1	19.5	39.7	73.4	1.69	55.5	1.4	1.1	0.93	11.2	20.6	3.0	0.4	2.2	< 10	0.4
162720	< 0.05	3.41	5.1	244	0.4	0.02	5.30	< 0.1	10.6	21.8	51.8	0.82	52.3	1.4	0.8	0.66	6.50	9.9	2.2	0.3	0.6	20	0.3

Results

SAMPLE_NO	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
162701	< 0.1	1.52	7.4	6.7	0.4	1.16	372	0.23	2.24	9.9	7.4	1.5	0.008	2.1	2.1	39.3	0.006	< 0.01	0.1	5	1.5	1.9	1
162702	< 0.1	0.83	42.2	6.8	0.3	1.00	390	0.68	> 3.00	3.5	31.0	18.1	0.048	2.9	8.8	21.3	< 0.001	0.08	0.2	8	1.9	5.0	2
162703	< 0.1	1.56	15.1	18.2	0.2	0.81	459	0.43	2.37	0.2	11.2	15.1	0.056	3.1	3.4	37.3	< 0.001	0.08	< 0.1	8	0.4	2.2	< 1
162704	1.0	0.12	2.4	3.5	< 0.1	0.91	484	6.35	0.02	0.7	2.3	38.5	0.009	5.5	0.6	3.5	0.004	2.65	0.6	< 1	14.7	0.5	5
162705	3.5	0.80	11.4	11.1	0.4	0.49	152	13.7	1.31	3.6	10.8	9.8	0.058	7.9	3.2	25.4	0.017	8.44	0.3	7	32.2	2.4	9
162706	0.2	1.66	11.3	15.1	0.3	0.25	108	2.51	0.22	6.3	14.4	9.1	0.035	20.2	3.5	56.1	0.009	2.64	0.7	6	1.7	3.8	7
162707	< 0.1	0.11	16.1	19.8	0.1	5.40	1930	0.88	0.15	8.2	17.4	338	0.040	7.8	4.6	6.4	0.004	0.10	2.2	15	1.3	3.5	1
162708	1.5	0.17	7.8	2.7	< 0.1	1.16	675	3.80	0.04	0.9	6.7	28.1	0.022	32.1	1.7	4.6	0.013	6.41	0.3	< 1	56.4	1.5	5
162709	0.5	2.25	34.3	8.4	0.2	0.74	332	4.48	0.09	9.0	33.3	10.6	0.021	12.6	8.7	73.5	< 0.001	1.55	0.4	6	17.4	7.7	5
162710	< 0.1	0.05	4.2	8.1	0.4	3.67	1660	0.07	1.19	0.2	8.2	63.5	0.030	2.8	1.6	1.1	0.004	0.09	< 0.1	45	1.9	2.8	< 1
162711	< 0.1	0.04	2.5	9.5	0.2	4.03	1510	0.16	1.56	0.3	4.9	132	0.022	1.2	1.0	0.6	0.002	0.09	0.1	41	0.7	1.6	< 1
162712	< 0.1	0.76	21.6	7.9	0.3	3.91	2490	1.05	2.07	0.9	21.6	152	0.146	4.8	5.4	19.4	< 0.001	0.76	0.2	19	2.2	5.1	1
162713	< 0.1	2.03	18.5	26.2	0.1	1.50	721	0.31	1.27	0.3	17.8	72.1	0.042	10.6	4.6	52.4	0.011	0.09	0.2	26	0.7	3.2	< 1
162714	< 0.1	1.69	4.8	21.7	0.3	2.26	1620	0.06	1.26	< 0.1	7.5	76.2	0.034	4.3	1.6	41.5	0.011	0.06	0.1	41	1.8	2.4	< 1
162715	< 0.1	0.63	5.2	29.9	0.2	2.29	1290	0.27	0.99	1.3	9.4	82.8	0.044	2.4	1.9	14.2	0.004	0.63	0.2	40	2.1	2.5	< 1
162716	< 0.1	0.77	4.5	15.3	0.2	2.61	1850	0.23	0.95	0.1	8.4	42.8	0.030	2.3	1.8	19.0	0.004	0.13	0.3	31	0.3	2.4	< 1
162717	< 0.1	0.95	4.3	15.1	0.2	2.50	2030	< 0.05	0.57	< 0.1	7.0	27.4	0.030	2.8	1.7	21.1	0.002	0.06	0.2	34	< 0.1	1.7	< 1
162718	< 0.1	1.99	25.7	5.0	0.1	0.95	481	0.05	> 3.00	0.7	26.2	9.3	0.079	5.0	6.6	43.7	0.002	0.09	0.5	6	0.5	4.2	< 1
162719	< 0.1	1.43	7.5	28.2	0.2	4.26	1520	0.07	0.59	0.1	14.0	38.7	0.044	3.8	2.8	28.8	< 0.001	0.10	0.2	48	1.3	3.7	< 1
162720	< 0.1	0.65	4.4	16.9	0.2	2.49	1280	< 0.05	0.32	< 0.1	7.0	20.5	0.034	2.9	1.6	15.7	0.004	0.02	0.2	27	0.4	2.3	< 1

Results

SAMPLE_NO	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
162701	57.7	0.3	0.6	< 0.1	5.7	0.101	0.39	0.4	1.4	14	0.3	21.1	2.2	60.4	175
162702	160	0.2	0.5	< 0.1	7.1	0.239	0.19	0.2	3.4	50	0.2	16.2	1.9	38.5	117
162703	104	< 0.1	0.3	< 0.1	4.3	0.241	0.22	0.1	1.0	72	< 0.1	8.3	1.1	60.2	61
162704	11.4	< 0.1	0.1	9.3	0.4	0.0129	0.09	< 0.1	0.1	2	0.4	4.7	0.5	205	14
162705	25.4	0.3	0.4	111	1.7	0.208	0.21	0.3	1.3	38	8.0	18.4	2.5	650	77
162706	15.5	0.4	0.6	1.4	1.5	0.199	0.20	0.3	0.7	10	1.0	17.7	1.5	48.1	95
162707	296	0.5	0.4	0.5	2.1	0.441	< 0.05	0.1	0.5	105	1.1	7.2	0.8	134	111
162708	12.6	< 0.1	0.3	46.6	0.3	0.0169	0.07	< 0.1	0.2	3	0.2	6.3	0.4	192	10
162709	10.5	0.5	0.6	38.7	3.9	0.175	0.21	0.2	1.2	14	3.0	11.5	1.1	38.7	107
162710	170	< 0.1	0.7	0.8	0.4	0.301	< 0.05	0.4	< 0.1	244	< 0.1	22.1	2.4	106	40
162711	91.9	< 0.1	0.4	0.2	0.2	0.385	< 0.05	0.3	< 0.1	249	< 0.1	15.9	1.6	92.3	13
162712	345	< 0.1	0.7	< 0.1	3.7	0.494	0.39	0.3	1.1	92	< 0.1	19.9	1.7	128	73
162713	215	< 0.1	0.3	< 0.1	3.2	0.299	0.44	0.1	0.9	148	< 0.1	6.8	1.0	116	104
162714	404	< 0.1	0.5	0.1	0.4	0.156	0.31	0.3	0.3	101	< 0.1	17.7	2.2	119	40
162715	389	< 0.1	0.2	0.1	0.4	0.472	0.14	0.1	0.1	333	< 0.1	6.6	1.2	118	80
162716	360	< 0.1	0.2	0.2	0.1	0.356	0.13	0.1	< 0.1	227	< 0.1	5.1	0.8	74.8	45
162717	263	< 0.1	0.2	0.2	0.2	0.309	0.13	0.1	< 0.1	225	< 0.1	5.4	1.0	88.1	63
162718	555	< 0.1	0.3	< 0.1	2.3	0.272	0.22	< 0.1	0.5	65	< 0.1	4.9	0.5	39.2	122
162719	585	< 0.1	0.4	< 0.1	0.5	0.392	0.17	0.2	0.2	305	< 0.1	8.6	1.4	216	86
162720	368	< 0.1	0.3	< 0.1	0.1	0.230	0.09	0.1	< 0.1	171	< 0.1	7.3	1.0	126	26

QC

SAMPLE_NO	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm
GXR-1 Meas	30.7	2.07	414	669	1.0	1460	1.01	2.4	14.0	7.8	11.3	2.69	1200	4.0		0.57	23.8	13.8	4.1		0.5	3790	
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960	3900	
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	2.56	6.24	94.9	86	1.9	19.7	1.10	0.2	105	12.9	48.3	2.38	6480	2.5		1.51	2.84	19.2	4.0		1.1	160	
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30	110	
SDC-1 Meas		7.92	0.6	626	2.8		1.09		86.2	16.9	44.3	4.01	30.1	5.2	3.2	1.66	4.53	21.6	6.7		0.8	< 10	1.3
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	6.70	4.10	1.70	4.82	21.00	7.00		8.30	200.00	1.50
GXR-6 Meas	0.24	> 10.0	257	1150	1.3	0.16	0.16	0.1	33.1	12.4	46.7	3.90	67.3	1.9		0.73	5.18	29.6	2.4		2.2	70	
GXR-6 Cert	1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	2.80		0.760	5.58	35.0	2.97		4.30	68.0	
SAR-M (U.S.G.S.) Meas	2.72	5.81	34.4	726	2.5	1.89	0.62	5.8	107	9.6	76.6		325				2.97	12.5					
SAR-M (U.S.G.S.) Cert	3.64	6.30	38.8	801	2.20	1.94	0.61	5.27	122.0	10.70	79.7		331.0000				2.99	17					
DNC-1a Meas				104						53.3	175		98.7			0.54		14.2					
DNC-1a Cert				118						57.0	270		100.00			0.59		15					
SBC-1 Meas			24.2	599	3.3	0.66		0.4	103	20.8	61.4	7.86	30.2	5.1	2.8	1.98		29.5	7.4		2.6		1.2
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000	7.10	3.80	1.98		27.0	8.5		3.7		1.40
OREAS 45d (4-Acid) Meas		7.85	6.3	175	0.9	0.33	0.18		35.9	29.6	506	3.75	389	1.9	1.2	0.67	14.0	20.4	2.1		2.1		0.4
OREAS 45d (4-Acid) Cert		8.150	13.80	183.0	0.79	0.31	0.185		37.20	29.50	549.0	3.910	371.0	2.26	1.38	0.57	14.520	21.20	2.42		3.830		0.46
DMMAS 118 Meas																							
DMMAS 118 Cert																							

QC

SAMPLE_NO	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
GXR-1 Meas	0.7	0.04	6.8	7.6	0.3	0.21	901	16.4	0.05	0.9	7.6	40.5	0.055	724		1.4		0.25	42.6	2	16.8	2.7	29
GXR-1 Cert	0.770	0.050	7.50	8.20	0.280	0.217	852	18.0	0.0520	0.800	18.0	41.0	0.0650	730		14.0		0.257	122	1.58	16.6	2.70	54.0
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	0.2	2.13	56.1	11.4	0.2	1.58	144	287	0.48	9.3	38.2	40.1	0.149	47.5		90.8		1.78	5.0	7	9.3	6.2	6
GXR-4 Cert	0.270	4.01	64.5	11.1	0.170	1.66	155	310	0.564	10.0	45.0	42.0	0.120	52.0		160		1.77	4.80	7.70	5.60	6.60	5.60
SDC-1 Meas		1.84	40.2	35.4		0.97	851		1.46	0.2	36.8	35.2	0.086	22.5		83.8			< 0.1	14		7.0	< 1
SDC-1 Cert		2.72	42.00	34.00		1.02	880.00		1.52	21.00	40.00	38.0	0.0690	25.00		127.00			0.54	17.00		8.20	3.00
GXR-6 Meas	< 0.1	1.15	12.5	33.7	0.3	0.57	995	0.61	0.09	0.6	11.4	25.6	0.046	96.5		49.4		0.02	0.4	26	2.2	2.3	< 1
GXR-6 Cert	0.260	1.87	13.9	32.0	0.330	0.609	1010	2.40	0.104	7.50	13.0	27.0	0.0350	101		90.0		0.0160	3.60	27.6	0.940	2.67	1.70
SAR-M (U.S.G.S.) Meas	0.9	1.92	50.0	28.0		0.45	5130	11.4	1.12	14.7		42.9	0.040	919		94.3			5.4	6	1.9		2
SAR-M (U.S.G.S.) Cert	1.08	2.94	57.4	27.4		0.50	5220	13.1	1.140	29.9		41.5	0.07	982		146			6.0	7.83	0.39		2.76
DNC-1a Meas			3.7	4.4						1.2	4.4	270		5.6		3.0			0.3	31			
DNC-1a Cert			3.6	5.20						3	5.20	247		6.3		5			0.96	31			
SBC-1 Meas			49.4	163	0.5			1.97		11.3	45.9	85.6		33.0	12.2	95.4			1.0	20		9.0	3
SBC-1 Cert			52.5	163.0	0.54			2.40		15.3	49.2	82.8		35.0	12.6	147			1.01	20.0		9.6	3.3
OREAS 45d (4-Acid) Meas	< 0.1	0.42	16.6	20.7	0.2	0.24	489	0.25	0.09	0.5	13.5	244	0.036	20.3	3.9	32.7		0.05	< 0.1	52		2.6	< 1

SAMPLE_NO	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
OREAS 45d (4-Acid) Cert	0.096	0.412	16.9	21.50	0.18	0.245	490.000	2.500	0.101	14.50	13.4	231.0	0.042	21.8	3.70	42.1		0.049	0.82	49.30		2.80	2.78
DMMAS 118 Meas																				7			
DMMAS 118 Cert																				6.1			

QC

SAMPLE_NO	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GXR-1 Meas	277	< 0.1	0.7	11.4	2.7	0.0263	0.47	0.3	32.8	85	116	25.4	2.1	789	26
GXR-1 Cert	275	0.175	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	38.0
DH-1a Meas					> 500				2310						
DH-1a Cert					910				2629						
GXR-4 Meas	200	0.5	0.5	1.0	16.1	0.260	2.60	0.2	5.5	87	26.2	12.5	1.0	70.2	38
GXR-4 Cert	221	0.790	0.360	0.970	22.5	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0	186
SDC-1 Meas	169	< 0.1	0.9		10.5	0.123	0.50	0.5	2.7	41	< 0.1		3.2	101	33
SDC-1 Cert	180.00	1.20	1.20		12.00	0.606	0.70	0.65	3.10	102.00	0.80		4.00	103.00	290.00
GXR-6 Meas	33.5	< 0.1	0.3	< 0.1	4.9		1.87		1.4	157	< 0.1	10.4	1.4	127	81
GXR-6 Cert	35.0	0.485	0.415	0.0180	5.30		2.20		1.54	186	1.90	14.0	2.40	118	110
SAR-M (U.S.G.S.) Meas	141			0.7	14.9	0.342	2.15		4.0	68	4.7	26.4		971	
SAR-M (U.S.G.S.) Cert	151			0.96	17.2	0.38	2.7		3.57	67.2	9.78	28.00		930.0	
DNC-1a Meas	133					0.271				155		14.8	2.0	66.9	39
DNC-1a Cert	144.0					0.29				148.00		18.0	2.0	70.0	38.000
SBC-1 Meas	171	0.7	1.1		14.1	0.458	0.64	0.5	5.6	224	1.1	26.7	2.9	187	110
SBC-1 Cert	178.0	1.10	1.20		15.8	0.51	0.89	0.56	5.76	220.0	1.60	36.5	3.64	186.0	134.0
OREAS 45d (4-Acid) Meas	29.8	< 0.1	0.5		15.7	0.177	0.24		2.8	123	< 0.1	10.3	1.3	43.8	82
OREAS 45d (4-Acid) Cert	31.30	1.02	0.400		14.5	0.773	0.27		2.63	235.0	1.62	9.53	1.33	45.7	141
DMMAS 118 Meas															
DMMAS 118 Cert															

Quality Analysis ... *Innovative Technologies*

Date Submitted: 19-May-15
Invoice No.: A15-03496-TD-Assay
Invoice Date: 05-Jun-15
Your Reference: TME

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

20 Rock samples were submitted for analysis.

The following analytical package was requested: Code 8-4 Acid Total Digestion Code 8-4 Acid Total Digestion Assays
Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-03496-TD-Assay**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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Results

SAMPLE_NO	Ag_ICP-OES	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_ICP-OES	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
162701		0.53	6.27	1.0	282	1.2	0.10	0.17	< 0.1	22.0	1.3	14.8	0.50		3.5	3.1	2.3	0.33	1.86	18.3	2.6	0.2	4.9
162702		0.14	7.61	2.7	247	1.2	0.32	1.85	< 0.1	83.8	12.1	26.9	0.41		8.2	2.5	1.4	1.08	2.61	19.1	4.4	0.6	3.1
162703		0.07	7.10	15.5	401	0.8	0.16	0.87	< 0.1	33.3	11.1	32.9	1.82		36.3	1.4	0.9	0.62	3.36	19.5	1.7	0.5	1.8
162704		29.7	0.37	100	31	0.1	36.9	2.09	1.8	4.3	130	47.5	0.22	1.75	> 10000	0.7	0.5	0.27	5.70	2.0	0.7	< 0.1	0.4
162705	158	> 100	3.90	23.6	20	0.6	217	0.12	4.0	27.2	45.7	31.3	0.35	7.51	> 10000	2.5	2.0	0.45	11.3	11.7	2.4	0.4	1.8
162706		2.60	3.76	3.9	58	1.3	2.18	0.17	< 0.1	27.1	5.5	42.6	0.66		1160	3.1	1.5	0.68	5.32	9.9	3.9	0.4	2.5
162707		0.91	3.00	27.9	53	0.5	7.42	8.50	0.5	36.1	30.1	463	0.42		652	1.4	0.6	1.14	9.30	10.9	3.2	0.5	3.0
162708		37.3	0.65	194	46	0.1	130	3.13	1.2	12.7	237	36.1	0.17	5.84	> 10000	1.0	0.5	0.34	8.80	1.5	1.6	0.2	0.3
162709	32	28.7	5.68	53.9	114	1.2	73.2	0.89	< 0.1	71.7	61.3	29.2	0.43	1.50	> 10000	2.0	1.0	0.80	4.95	17.2	5.2	0.6	3.5
162710		0.84	7.11	0.8	14	0.6	0.24	7.29	< 0.1	10.8	46.6	134	0.11		228	3.4	2.4	0.96	10.3	18.6	3.7	0.4	1.0
162711		0.23	8.13	2.4	14	0.2	0.03	8.64	< 0.1	6.4	52.7	171	< 0.05		156	2.4	1.8	0.49	9.14	17.1	2.2	0.6	0.6
162712		0.19	6.95	428	396	1.2	0.05	6.01	< 0.1	39.1	40.8	156	2.21		87.6	4.0	1.8	1.58	9.49	19.2	5.2	0.7	1.9
162713		0.15	9.72	33.4	350	0.9	0.18	1.28	0.2	41.8	19.5	94.7	1.48		73.5	1.4	0.8	1.05	4.43	25.5	2.7	0.7	2.6
162714		0.06	8.35	13.6	259	1.2	0.05	5.52	0.2	10.2	38.4	121	2.14		115	2.7	2.0	0.93	6.54	18.9	3.3	0.4	1.1
162715		< 0.05	6.73	26.3	130	0.6	0.10	6.67	< 0.1	13.1	50.0	105	0.91		107	1.2	0.8	0.83	9.52	18.7	1.9	0.8	1.9
162716		< 0.05	4.81	10.8	157	0.3	< 0.02	10.8	0.1	11.2	32.1	89.5	1.01		80.2	0.9	0.6	0.96	7.85	14.0	2.0	0.3	1.1
162717		< 0.05	4.99	9.8	227	0.4	< 0.02	8.42	0.1	11.0	31.6	53.8	1.19		111	0.8	0.6	0.57	8.89	15.3	1.7	0.3	1.5
162718		< 0.05	9.03	12.4	695	1.1	0.06	2.68	< 0.1	55.1	6.8	14.4	2.12		25.3	0.9	0.5	1.10	2.44	26.3	2.9	0.6	3.1
162719		< 0.05	7.28	21.7	580	0.8	0.05	6.29	< 0.1	19.5	39.7	73.4	1.69		55.5	1.4	1.1	0.93	11.2	20.6	3.0	0.4	2.2
162720		< 0.05	3.41	5.1	244	0.4	0.02	5.30	< 0.1	10.6	21.8	51.8	0.82		52.3	1.4	0.8	0.66	6.50	9.9	2.2	0.3	0.6

Results

SAMPLE_NO	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS
	ppb	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
162701	< 10	0.9	< 0.1	1.52	7.4	6.7	0.4	1.16	372	0.23	2.24	9.9	7.4	1.5	0.008	2.1	2.1	39.3	0.006	< 0.01	0.1	5	1.5
162702	< 10	0.6	< 0.1	0.83	42.2	6.8	0.3	1.00	390	0.68	> 3.00	3.5	31.0	18.1	0.048	2.9	8.8	21.3	< 0.001	0.08	0.2	8	1.9
162703	30	0.4	< 0.1	1.56	15.1	18.2	0.2	0.81	459	0.43	2.37	0.2	11.2	15.1	0.056	3.1	3.4	37.3	< 0.001	0.08	< 0.1	8	0.4
162704	60	0.2	1.0	0.12	2.4	3.5	< 0.1	0.91	484	6.35	0.02	0.7	2.3	38.5	0.009	5.5	0.6	3.5	0.004	2.65	0.6	< 1	14.7
162705	50	0.6	3.5	0.80	11.4	11.1	0.4	0.49	152	13.7	1.31	3.6	10.8	9.8	0.058	7.9	3.2	25.4	0.017	8.44	0.3	7	32.2
162706	30	0.7	0.2	1.66	11.3	15.1	0.3	0.25	108	2.51	0.22	6.3	14.4	9.1	0.035	20.2	3.5	56.1	0.009	2.64	0.7	6	1.7
162707	< 10	0.3	< 0.1	0.11	16.1	19.8	0.1	5.40	1930	0.88	0.15	8.2	17.4	338	0.040	7.8	4.6	6.4	0.004	0.10	2.2	15	1.3
162708	< 10	0.2	1.5	0.17	7.8	2.7	< 0.1	1.16	675	3.80	0.04	0.9	6.7	28.1	0.022	32.1	1.7	4.6	0.013	6.41	0.3	< 1	56.4
162709	< 10	0.4	0.5	2.25	34.3	8.4	0.2	0.74	332	4.48	0.09	9.0	33.3	10.6	0.021	12.6	8.7	73.5	< 0.001	1.55	0.4	6	17.4
162710	< 10	0.9	< 0.1	0.05	4.2	8.1	0.4	3.67	1660	0.07	1.19	0.2	8.2	63.5	0.030	2.8	1.6	1.1	0.004	0.09	< 0.1	45	1.9
162711	20	0.7	< 0.1	0.04	2.5	9.5	0.2	4.03	1510	0.16	1.56	0.3	4.9	132	0.022	1.2	1.0	0.6	0.002	0.09	0.1	41	0.7
162712	20	0.9	< 0.1	0.76	21.6	7.9	0.3	3.91	2490	1.05	2.07	0.9	21.6	152	0.146	4.8	5.4	19.4	< 0.001	0.76	0.2	19	2.2
162713	< 10	0.3	< 0.1	2.03	18.5	26.2	0.1	1.50	721	0.31	1.27	0.3	17.8	72.1	0.042	10.6	4.6	52.4	0.011	0.09	0.2	26	0.7
162714	20	0.8	< 0.1	1.69	4.8	21.7	0.3	2.26	1620	0.06	1.26	< 0.1	7.5	76.2	0.034	4.3	1.6	41.5	0.011	0.06	0.1	41	1.8
162715	< 10	0.3	< 0.1	0.63	5.2	29.9	0.2	2.29	1290	0.27	0.99	1.3	9.4	82.8	0.044	2.4	1.9	14.2	0.004	0.63	0.2	40	2.1
162716	20	0.2	< 0.1	0.77	4.5	15.3	0.2	2.61	1850	0.23	0.95	0.1	8.4	42.8	0.030	2.3	1.8	19.0	0.004	0.13	0.3	31	0.3
162717	< 10	0.3	< 0.1	0.95	4.3	15.1	0.2	2.50	2030	< 0.05	0.57	< 0.1	7.0	27.4	0.030	2.8	1.7	21.1	0.002	0.06	0.2	34	< 0.1
162718	< 10	0.2	< 0.1	1.99	25.7	5.0	0.1	0.95	481	0.05	> 3.00	0.7	26.2	9.3	0.079	5.0	6.6	43.7	0.002	0.09	0.5	6	0.5
162719	< 10	0.4	< 0.1	1.43	7.5	28.2	0.2	4.26	1520	0.07	0.59	0.1	14.0	38.7	0.044	3.8	2.8	28.8	< 0.001	0.10	0.2	48	1.3
162720	20	0.3	< 0.1	0.65	4.4	16.9	0.2	2.49	1280	< 0.05	0.32	< 0.1	7.0	20.5	0.034	2.9	1.6	15.7	0.004	0.02	0.2	27	0.4

Results

SAMPLE_NO	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
162701	1.9	1	57.7	0.3	0.6	< 0.1	5.7	0.101	0.39	0.4	1.4	14	0.3	21.1	2.2	60.4	175
162702	5.0	2	160	0.2	0.5	< 0.1	7.1	0.239	0.19	0.2	3.4	50	0.2	16.2	1.9	38.5	117
162703	2.2	< 1	104	< 0.1	0.3	< 0.1	4.3	0.241	0.22	0.1	1.0	72	< 0.1	8.3	1.1	60.2	61
162704	0.5	5	11.4	< 0.1	0.1	9.3	0.4	0.0129	0.09	< 0.1	0.1	2	0.4	4.7	0.5	205	14
162705	2.4	9	25.4	0.3	0.4	111	1.7	0.208	0.21	0.3	1.3	38	8.0	18.4	2.5	650	77
162706	3.8	7	15.5	0.4	0.6	1.4	1.5	0.199	0.20	0.3	0.7	10	1.0	17.7	1.5	48.1	95
162707	3.5	1	296	0.5	0.4	0.5	2.1	0.441	< 0.05	0.1	0.5	105	1.1	7.2	0.8	134	111
162708	1.5	5	12.6	< 0.1	0.3	46.6	0.3	0.0169	0.07	< 0.1	0.2	3	0.2	6.3	0.4	192	10
162709	7.7	5	10.5	0.5	0.6	38.7	3.9	0.175	0.21	0.2	1.2	14	3.0	11.5	1.1	38.7	107
162710	2.8	< 1	170	< 0.1	0.7	0.8	0.4	0.301	< 0.05	0.4	< 0.1	244	< 0.1	22.1	2.4	106	40
162711	1.6	< 1	91.9	< 0.1	0.4	0.2	0.2	0.385	< 0.05	0.3	< 0.1	249	< 0.1	15.9	1.6	92.3	13
162712	5.1	1	345	< 0.1	0.7	< 0.1	3.7	0.494	0.39	0.3	1.1	92	< 0.1	19.9	1.7	128	73
162713	3.2	< 1	215	< 0.1	0.3	< 0.1	3.2	0.299	0.44	0.1	0.9	148	< 0.1	6.8	1.0	116	104
162714	2.4	< 1	404	< 0.1	0.5	0.1	0.4	0.156	0.31	0.3	0.3	101	< 0.1	17.7	2.2	119	40
162715	2.5	< 1	389	< 0.1	0.2	0.1	0.4	0.472	0.14	0.1	0.1	333	< 0.1	6.6	1.2	118	80
162716	2.4	< 1	360	< 0.1	0.2	0.2	0.1	0.356	0.13	0.1	< 0.1	227	< 0.1	5.1	0.8	74.8	45
162717	1.7	< 1	263	< 0.1	0.2	0.2	0.2	0.309	0.13	0.1	< 0.1	225	< 0.1	5.4	1.0	88.1	63
162718	4.2	< 1	555	< 0.1	0.3	< 0.1	2.3	0.272	0.22	< 0.1	0.5	65	< 0.1	4.9	0.5	39.2	122
162719	3.7	< 1	585	< 0.1	0.4	< 0.1	0.5	0.392	0.17	0.2	0.2	305	< 0.1	8.6	1.4	216	86
162720	2.3	< 1	368	< 0.1	0.3	< 0.1	0.1	0.230	0.09	0.1	< 0.1	171	< 0.1	7.3	1.0	126	26

QC

SAMPLE_NO	Ag_ICP-OES	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_ICP-OES	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
GXR-1 Meas		30.7	2.07	414	669	1.0	1460	1.01	2.4	14.0	7.8	11.3	2.69		1200	4.0		0.57	23.8	13.8	4.1		0.5
GXR-1 Cert		31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00		1110	4.30		0.690	23.6	13.8	4.20		0.960
GXR-1 Meas		30.7	2.07	414	669	1.0	1460	1.01	2.4	14.0	7.8	11.3	2.69		1200	4.0		0.57	23.8	13.8	4.1		0.5
GXR-1 Cert		31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00		1110	4.30		0.690	23.6	13.8	4.20		0.960
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		2.56	6.24	94.9	86	1.9	19.7	1.10	0.2	105	12.9	48.3	2.38		6480	2.5		1.51	2.84	19.2	4.0		1.1
GXR-4 Cert		4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80		6520	2.60		1.63	3.09	20.0	5.25		6.30
GXR-4 Meas		2.56	6.24	94.9	86	1.9	19.7	1.10	0.2	105	12.9	48.3	2.38		6480	2.5		1.51	2.84	19.2	4.0		1.1
GXR-4 Cert		4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80		6520	2.60		1.63	3.09	20.0	5.25		6.30
SDC-1 Meas			7.92	0.6	626	2.8		1.09		86.2	16.9	44.3	4.01		30.1	5.2	3.2	1.66	4.53	21.6	6.7		0.8
SDC-1 Cert			8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00		30.000	6.70	4.10	1.70	4.82	21.00	7.00		8.30
SDC-1 Meas			7.92	0.6	626	2.8		1.09		86.2	16.9	44.3	4.01		30.1	5.2	3.2	1.66	4.53	21.6	6.7		0.8
SDC-1 Cert			8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00		30.000	6.70	4.10	1.70	4.82	21.00	7.00		8.30
GXR-6 Meas		0.24	> 10.0	257	1150	1.3	0.16	0.16	0.1	33.1	12.4	46.7	3.90		67.3	1.9		0.73	5.18	29.6	2.4		2.2
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20		66.0	2.80		0.760	5.58	35.0	2.97		4.30
GXR-6 Meas		0.24	> 10.0	257	1150	1.3	0.16	0.16	0.1	33.1	12.4	46.7	3.90		67.3	1.9		0.73	5.18	29.6	2.4		2.2
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20		66.0	2.80		0.760	5.58	35.0	2.97		4.30
MP-1b Meas	47													3.01									
MP-1b Cert	47.0													3.069									
SAR-M (U.S.G.S.) Meas		2.72	5.81	34.4	726	2.5	1.89	0.62	5.8	107	9.6	76.6			325				2.97	12.5			
SAR-M (U.S.G.S.) Cert		3.64	6.30	38.8	801	2.20	1.94	0.61	5.27	122.0	10.70	79.7			331.0000				2.99	17			
SAR-M (U.S.G.S.) Meas		2.72	5.81	34.4	726	2.5	1.89	0.62	5.8	107	9.6	76.6			325				2.97	12.5			
SAR-M (U.S.G.S.) Cert		3.64	6.30	38.8	801	2.20	1.94	0.61	5.27	122.0	10.70	79.7			331.0000				2.99	17			
DNC-1a Meas					104						53.3	175			98.7			0.54		14.2			
DNC-1a Cert					118						57.0	270			100.00			0.59		15			
DNC-1a Meas					104						53.3	175			98.7			0.54		14.2			
DNC-1a Cert					118						57.0	270			100.00			0.59		15			
CCU-1d Meas	122													23.9									
CCU-1d Cert	120.7													23.93									
CZN-4 Meas	49													0.407									
CZN-4 Cert	51.4													0.403									
SBC-1 Meas				24.2	599	3.3	0.66		0.4	103	20.8	61.4	7.86		30.2	5.1	2.8	1.98		29.5	7.4		2.6
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2		31.0000	7.10	3.80	1.98		27.0	8.5		3.7
SBC-1 Meas				24.2	599	3.3	0.66		0.4	103	20.8	61.4	7.86		30.2	5.1	2.8	1.98		29.5	7.4		2.6
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2		31.0000	7.10	3.80	1.98		27.0	8.5		3.7
OREAS 45d (4-Acid) Meas			7.85	6.3	175	0.9	0.33	0.18		35.9	29.6	506	3.75		389	1.9	1.2	0.67	14.0	20.4	2.1		2.1
OREAS 45d (4-Acid) Cert			8.150	13.80	183.0	0.79	0.31	0.185		37.20	29.50	549.0	3.910		371.0	2.26	1.38	0.57	14.520	21.20	2.42		3.830
OREAS 45d (4-Acid) Meas			7.85	6.3	175	0.9	0.33	0.18		35.9	29.6	506	3.75		389	1.9	1.2	0.67	14.0	20.4	2.1		2.1
OREAS 45d (4-Acid) Cert			8.150	13.80	183.0	0.79	0.31	0.185		37.20	29.50	549.0	3.910		371.0	2.26	1.38	0.57	14.520	21.20	2.42		3.830
PTC-1b Meas	52													7.91									
PTC-1b Cert	53.1													7.97									

SAMPLE_NO	Ag_ICP-OES	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_ICP-OES	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
DMMAS 118 Meas																							
DMMAS 118 Cert																							
162709 Dup	30													1.54									

QC

SAMPLE_NO	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS
	ppb	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
GXR-1 Meas	3790		0.7	0.04	6.8	7.6	0.3	0.21	901	16.4	0.05	0.9	7.6	40.5	0.055	724		1.4		0.25	42.6	2	16.8
GXR-1 Cert	3900		0.770	0.050	7.50	8.20	0.280	0.217	852	18.0	0.0520	0.800	18.0	41.0	0.0650	730		14.0		0.257	122	1.58	16.6
GXR-1 Meas	3790		0.7	0.04	6.8	7.6	0.3	0.21	901	16.4	0.05	0.9	7.6	40.5	0.059	724		1.4			42.6	2	16.8
GXR-1 Cert	3900		0.770	0.050	7.50	8.20	0.280	0.217	852	18.0	0.0520	0.800	18.0	41.0	0.0650	730		14.0			122	1.58	16.6
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	160		0.2	2.13	56.1	11.4	0.2	1.58	144	287	0.48	9.3	38.2	40.1	0.149	47.5		90.8		1.78	5.0	7	9.3
GXR-4 Cert	110		0.270	4.01	64.5	11.1	0.170	1.66	155	310	0.564	10.0	45.0	42.0	0.120	52.0		160		1.77	4.80	7.70	5.60
GXR-4 Meas	160		0.2	2.13	56.1	11.4	0.2	1.58	144	287	0.48	9.3	38.2	40.1	0.130	47.5		90.8			5.0	8	9.3
GXR-4 Cert	110		0.270	4.01	64.5	11.1	0.170	1.66	155	310	0.564	10.0	45.0	42.0	0.120	52.0		160			4.80	7.70	5.60
SDC-1 Meas	< 10	1.3		1.84	40.2	35.4		0.97	851		1.46	0.2	36.8	35.2	0.086	22.5		83.8			< 0.1	14	
SDC-1 Cert	200.00	1.50		2.72	42.00	34.00		1.02	880.00		1.52	21.00	40.00	38.0	0.0690	25.00		127.00			0.54	17.00	
SDC-1 Meas	< 10	1.3		1.84	40.2	35.4		0.97	851		1.46	0.2	36.8	35.2	0.055	22.5		83.8			< 0.1	17	
SDC-1 Cert	200.00	1.50		2.72	42.00	34.00		1.02	880.00		1.52	21.00	40.00	38.0	0.0690	25.00		127.00			0.54	17.00	
GXR-6 Meas	70		< 0.1	1.15	12.5	33.7	0.3	0.57	995	0.61	0.09	0.6	11.4	25.6	0.046	96.5		49.4		0.02	0.4	26	2.2
GXR-6 Cert	68.0		0.260	1.87	13.9	32.0	0.330	0.609	1010	2.40	0.104	7.50	13.0	27.0	0.0350	101		90.0		0.0160	3.60	27.6	0.940
GXR-6 Meas	70		< 0.1	1.15	12.5	33.7	0.3	0.57	995	0.61	0.09	0.6	11.4	25.6	0.036	96.5		49.4			0.4	27	2.2
GXR-6 Cert	68.0		0.260	1.87	13.9	32.0	0.330	0.609	1010	2.40	0.104	7.50	13.0	27.0	0.0350	101		90.0			3.60	27.6	0.940
MP-1b Meas																							
MP-1b Cert																							
SAR-M (U.S.G.S.) Meas			0.9	1.92	50.0	28.0		0.45	5130	11.4	1.12	14.7		42.9	0.040	919		94.3			5.4	6	1.9
SAR-M (U.S.G.S.) Cert			1.08	2.94	57.4	27.4		0.50	5220	13.1	1.140	29.9		41.5	0.07	982		146			6.0	7.83	0.39
SAR-M (U.S.G.S.) Meas			0.9	1.92	50.0	28.0		0.45	5130	11.4	1.12	14.7		42.9	0.057	919		94.3			5.4	9	1.9
SAR-M (U.S.G.S.) Cert			1.08	2.94	57.4	27.4		0.50	5220	13.1	1.140	29.9		41.5	0.07	982		146			6.0	7.83	0.39
DNC-1a Meas					3.7	4.4						1.2	4.4	270		5.6		3.0			0.3	31	
DNC-1a Cert					3.6	5.20						3	5.20	247		6.3		5			0.96	31	
DNC-1a Meas					3.7	4.4						1.2	4.4	270		5.6		3.0			0.3	31	
DNC-1a Cert					3.6	5.20						3	5.20	247		6.3		5			0.96	31	
CCU-1d Meas																							
CCU-1d Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		1.2			49.4	163	0.5			1.97		11.3	45.9	85.6		33.0	12.2	95.4			1.0	20	
SBC-1 Cert		1.40			52.5	163.0	0.54			2.40		15.3	49.2	82.8		35.0	12.6	147			1.01	20.0	
SBC-1 Meas		1.2			49.4	163	0.5			1.97		11.3	45.9	85.6		33.0	12.2	95.4			1.0	20	
SBC-1 Cert		1.40			52.5	163.0	0.54			2.40		15.3	49.2	82.8		35.0	12.6	147			1.01	20.0	
OREAS 45d (4-Acid) Meas		0.4	< 0.1	0.42	16.6	20.7	0.2	0.24	489	0.25	0.09	0.5	13.5	244	0.036	20.3	3.9	32.7		0.05	< 0.1	52	
OREAS 45d (4-Acid)		0.46	0.096	0.412	16.9	21.50	0.18	0.245	490.000	2.500	0.101	14.50	13.4	231.0	0.042	21.8	3.70	42.1		0.049	0.82	49.30	

SAMPLE_NO	Hg_TD-MS	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS
	ppb	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Cert																							
OREAS 45d (4-Acid) Meas		0.4	< 0.1	0.42	16.6	20.7	0.2	0.24	489	0.25	0.09	0.5	13.5	244	0.034	20.3	3.9	32.7			< 0.1	55	
OREAS 45d (4-Acid) Cert		0.46	0.096	0.412	16.9	21.50	0.18	0.245	490.000	2.500	0.101	14.50	13.4	231.0	0.042	21.8	3.70	42.1			0.82	49.30	
PTC-1b Meas																							
PTC-1b Cert																							
DMMAS 118 Meas																						7	
DMMAS 118 Cert																						6.1	
162709 Dup																							

QC

SAMPLE_NO	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GXR-1 Meas	2.7	29	277	< 0.1	0.7	11.4	2.7	0.0263	0.47	0.3	32.8	85	116	25.4	2.1	789	26
GXR-1 Cert	2.70	54.0	275	0.175	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	38.0
GXR-1 Meas	2.7	29	277	< 0.1	0.7	11.4	2.7	0.0278	0.47	0.3	32.8	85	116	25.4	2.1	789	26
GXR-1 Cert	2.70	54.0	275	0.175	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	38.0
DH-1a Meas							> 500				2310						
DH-1a Cert							910				2629						
DH-1a Meas							> 500				2310						
DH-1a Cert							910				2629						
GXR-4 Meas	6.2	6	200	0.5	0.5	1.0	16.1	0.260	2.60	0.2	5.5	87	26.2	12.5	1.0	70.2	38
GXR-4 Cert	6.60	5.60	221	0.790	0.360	0.970	22.5	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0	186
GXR-4 Meas	6.2	6	200	0.5	0.5	1.0	16.1	0.290	2.60	0.2	5.5	87	26.2	12.5	1.0	70.2	38
GXR-4 Cert	6.60	5.60	221	0.790	0.360	0.970	22.5	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0	186
SDC-1 Meas	7.0	< 1	169	< 0.1	0.9		10.5	0.123	0.50	0.5	2.7	41	< 0.1		3.2	101	33
SDC-1 Cert	8.20	3.00	180.00	1.20	1.20		12.00	0.606	0.70	0.65	3.10	102.00	0.80		4.00	103.00	290.00
SDC-1 Meas	7.0	< 1	169	< 0.1	0.9		10.5	0.139	0.50	0.5	2.7	41	< 0.1		3.2	101	33
SDC-1 Cert	8.20	3.00	180.00	1.20	1.20		12.00	0.606	0.70	0.65	3.10	102.00	0.80		4.00	103.00	290.00
GXR-6 Meas	2.3	< 1	33.5	< 0.1	0.3	< 0.1	4.9		1.87		1.4	157	< 0.1	10.4	1.4	127	81
GXR-6 Cert	2.67	1.70	35.0	0.485	0.415	0.0180	5.30		2.20		1.54	186	1.90	14.0	2.40	118	110
GXR-6 Meas	2.3	< 1	33.5	< 0.1	0.3	< 0.1	4.9		1.87		1.4	157	< 0.1	10.4	1.4	127	81
GXR-6 Cert	2.67	1.70	35.0	0.485	0.415	0.0180	5.30		2.20		1.54	186	1.90	14.0	2.40	118	110
MP-1b Meas																	
MP-1b Cert																	
SAR-M (U.S.G.S.) Meas		2	141			0.7	14.9	0.342	2.15		4.0	68	4.7	26.4		971	
SAR-M (U.S.G.S.) Cert		2.76	151			0.96	17.2	0.38	2.7		3.57	67.2	9.78	28.00		930.0	
SAR-M (U.S.G.S.) Meas		2	141			0.7	14.9	0.380	2.15		4.0	68	4.7	26.4		971	
SAR-M (U.S.G.S.) Cert		2.76	151			0.96	17.2	0.38	2.7		3.57	67.2	9.78	28.00		930.0	
DNC-1a Meas			133					0.271				155		14.8	2.0	66.9	39
DNC-1a Cert			144.0					0.29				148.00		18.0	2.0	70.0	38.000
DNC-1a Meas			133					0.278				155		14.8	2.0	66.9	39
DNC-1a Cert			144.0					0.29				148.00		18.0	2.0	70.0	38.000
CCU-1d Meas																	
CCU-1d Cert																	

SAMPLE_NO	Sm_TD-MS	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CZN-4 Meas																	
CZN-4 Cert																	
SBC-1 Meas	9.0	3	171	0.7	1.1		14.1	0.458	0.64	0.5	5.6	224	1.1	26.7	2.9	187	110
SBC-1 Cert	9.6	3.3	178.0	1.10	1.20		15.8	0.51	0.89	0.56	5.76	220.0	1.60	36.5	3.64	186.0	134.0
SBC-1 Meas	9.0	3	171	0.7	1.1		14.1	0.517	0.64	0.5	5.6	224	1.1	26.7	2.9	187	110
SBC-1 Cert	9.6	3.3	178.0	1.10	1.20		15.8	0.51	0.89	0.56	5.76	220.0	1.60	36.5	3.64	186.0	134.0
OREAS 45d (4-Acid) Meas	2.6	< 1	29.8	< 0.1	0.5		15.7	0.177	0.24		2.8	123	< 0.1	10.3	1.3	43.8	82
OREAS 45d (4-Acid) Cert	2.80	2.78	31.30	1.02	0.400		14.5	0.773	0.27		2.63	235.0	1.62	9.53	1.33	45.7	141
OREAS 45d (4-Acid) Meas	2.6	< 1	29.8	< 0.1	0.5		15.7	0.194	0.24		2.8	123	< 0.1	10.3	1.3	43.8	82
OREAS 45d (4-Acid) Cert	2.80	2.78	31.30	1.02	0.400		14.5	0.773	0.27		2.63	235.0	1.62	9.53	1.33	45.7	141
PTC-1b Meas																	
PTC-1b Cert																	
DMMAS 118 Meas																	
DMMAS 118 Cert																	
162709 Dup																	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 29-May-15
Invoice No.: A15-03837-Au
Invoice Date: 04-Jun-15
Your Reference: 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

41 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Sudbury Au - Fire Assay AA
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-03837-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Date Submitted: 29-May-15
Invoice No.: A15-03837-Au
Invoice Date: 04-Jun-15
Your Reference: 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

41 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-03837-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

SAMPLE_NO	Au_FA-AA
	ppm
162721	< 0.005
162722	0.051
162723	0.022
162724	< 0.005
162725	< 0.005
162726	< 0.005
162727	< 0.005
162728	< 0.005
162729	< 0.005
162730	< 0.005
162731	< 0.005
162732	< 0.005
162733	< 0.005
162734	0.006
162735	< 0.005
162736	2.17
162737	< 0.005
162738	< 0.005
162739	< 0.005
162372	< 0.005
162373	< 0.005
162374	< 0.005
162375	< 0.005
162376	< 0.005
162377	< 0.005
162378	< 0.005
162379	< 0.005
162380	< 0.005
162381	< 0.005
162382	< 0.005
162383	< 0.005
162384	1.50
162385	< 0.005
162386	< 0.005
162387	< 0.005
162388	< 0.005
162389	< 0.005
162390	< 0.005
162391	< 0.005
162392	< 0.005
162393	< 0.005

QC

SAMPLE_NO	Au_FA-AA
	ppm
OxD108 Meas	0.411
OxD108 Cert	0.414
OxD108 Meas	0.409
OxD108 Cert	0.414
OxD108 Meas	0.402
OxD108 Cert	0.414
SG66 Meas	1.08
SG66 Cert	1.09
SG66 Meas	1.07
SG66 Cert	1.09
SG66 Meas	1.08
SG66 Cert	1.09
162730 Dup	< 0.005
162739 Dup	< 0.005
162382 Split	< 0.005
162382 Dup	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 29-May-15
Invoice No.: A15-03837 (i)
Invoice Date: 15-Jun-15
Your Reference: 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

41 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-Sudbury Au - Fire Assay AA
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-03837 (i)**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
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Date Submitted: 29-May-15
Invoice No.: A15-03837 (i)
Invoice Date: 15-Jun-15
Your Reference: 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

41 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-03837 (i)**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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LAB Accrédité CCN

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

Results

SAMPLE_NO	Au_FA-AA	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb
162721	< 0.005	0.18	8.00	1.9	21	0.5	0.63	8.70	< 0.1	32.4	9.3	88.1	0.08	1000	4.5	2.9	2.63	6.81	26.2	4.8	1.2	1.3	70
162722	0.051	0.11	6.59	0.9	217	0.5	0.59	1.65	< 0.1	20.8	27.2	50.3	0.29	291	4.4	2.9	1.06	7.06	16.8	4.3	0.3	3.7	70
162723	0.022	< 0.05	0.30	1.2	7	< 0.1	0.16	0.18	< 0.1	1.7	5.9	57.7	0.11	12.7	0.1	< 0.1	< 0.05	0.98	1.1	0.2	< 0.1	0.1	70
162724	< 0.005	< 0.05	9.46	0.6	755	2.7	0.08	4.66	0.1	69.2	19.9	34.7	1.13	27.8	6.9	3.9	1.90	5.41	26.0	8.7	0.7	2.8	100
162725	< 0.005	0.07	8.26	1.8	94	0.6	0.26	2.61	< 0.1	20.7	47.2	64.9	0.45	76.3	3.8	2.1	1.00	8.04	16.4	3.5	0.2	2.7	20
162726	< 0.005	< 0.05	8.49	5.6	40	0.3	0.05	3.94	0.2	10.6	56.7	249	0.75	67.1	3.2	2.2	1.06	8.21	23.8	3.1	0.3	0.4	50
162727	< 0.005	0.11	8.68	13.2	894	1.5	0.17	0.78	0.2	44.2	15.7	46.7	1.43	54.5	1.5	0.8	0.88	3.56	22.0	2.8	0.5	2.8	60
162728	< 0.005	< 0.05	8.03	29.6	253	0.7	0.10	1.46	< 0.1	39.9	6.5	29.6	0.90	19.2	1.3	0.7	0.72	2.47	16.8	2.2	0.2	3.0	60
162729	< 0.005	0.06	6.04	4.1	109	1.0	0.24	8.61	0.1	25.2	36.0	103	0.10	219	4.5	2.1	1.57	11.7	28.7	5.3	1.7	1.7	60
162730	< 0.005	< 0.05	7.43	2.2	86	0.8	0.11	5.22	0.1	33.1	53.2	99.6	2.47	112	5.4	3.5	1.39	10.5	20.0	5.3	0.4	1.9	40
162731	< 0.005	0.24	7.75	1.1	173	0.5	0.12	2.10	0.1	22.8	25.4	22.2	0.64	35.3	4.5	2.8	1.05	7.60	17.7	4.0	0.3	2.3	70
162732	< 0.005	0.11	8.12	0.3	437	0.3	0.12	6.12	0.1	10.5	57.5	113	0.41	101	3.1	2.1	1.10	10.2	19.7	3.3	0.4	0.8	40
162733	< 0.005	0.07	7.37	< 0.1	47	0.5	0.16	6.30	0.1	12.5	44.1	34.1	0.23	138	4.9	3.0	1.10	11.7	21.9	4.7	0.3	0.8	50
162734	0.006	< 0.05	2.58	14.6	93	0.4	0.22	6.24	< 0.1	5.9	29.4	56.7	0.77	111	0.8	0.5	0.78	6.50	5.0	1.2	0.4	0.5	70
162735	< 0.005	0.06	6.77	52.4	288	1.1	0.30	6.92	< 0.1	11.1	44.4	134	3.14	157	1.5	1.0	0.80	7.13	14.7	2.0	0.4	1.1	50
162736	2.17	0.17	6.37	941	302	1.0	0.15	4.96	0.1	38.7	35.8	185	4.45	122	3.8	2.0	1.96	10.9	15.8	5.2	0.4	1.6	10
162737	< 0.005	0.06	6.32	9.9	547	0.9	0.04	4.11	0.1	43.0	9.0	39.2	1.68	18.5	1.2	0.5	1.24	3.39	12.5	3.0	0.6	2.2	50
162738	< 0.005	< 0.05	8.81	51.2	265	0.5	0.07	3.60	0.2	13.0	56.2	168	2.01	113	1.5	1.1	0.63	9.36	19.1	2.4	0.4	1.2	120
162739	< 0.005	< 0.05	9.22	6.1	1310	1.5	0.07	0.45	0.1	61.3	10.7	18.0	3.82	8.9	1.1	0.5	1.14	2.65	22.4	2.8	0.3	2.4	10
162372	< 0.005	< 0.05	6.84	1.8	712	2.5	0.07	4.79	< 0.1	37.9	21.6	33.0	1.68	29.6	4.1	2.6	1.15	5.84	27.0	5.2	0.4	3.1	40
162373	< 0.005	< 0.05	6.73	17.6	406	0.7	0.05	5.50	0.1	21.5	26.9	75.9	2.05	36.4	1.6	0.8	0.90	7.12	15.3	2.4	0.3	1.9	40
162374	< 0.005	< 0.05	5.99	24.4	238	0.5	0.08	6.25	< 0.1	11.4	35.7	82.2	1.63	82.4	1.2	0.7	0.66	8.20	15.1	2.0	0.2	0.9	20
162375	< 0.005	0.14	2.35	3.7	62	0.1	< 0.02	5.96	0.1	4.1	17.6	64.9	0.44	12.5	0.9	0.4	0.48	5.88	5.6	1.1	0.3	0.5	80
162376	< 0.005	0.07	7.61	29.4	231	0.6	0.05	3.82	< 0.1	16.7	35.3	95.7	1.25	71.5	1.5	1.0	0.91	9.79	18.9	2.1	0.6	2.4	10
162377	< 0.005	0.15	6.87	28.9	240	0.8	0.07	5.35	0.2	24.1	27.7	68.7	0.89	63.7	1.2	0.8	1.00	6.41	16.6	2.5	0.4	1.4	< 10
162378	< 0.005	0.10	7.05	34.7	227	0.5	0.05	4.89	0.3	13.5	42.3	97.2	0.56	90.0	1.3	0.8	0.87	8.44	17.9	2.3	0.3	0.8	20
162379	< 0.005	0.07	7.25	29.9	112	0.3	0.08	4.82	0.1	13.5	46.4	126	0.49	98.4	1.2	0.8	0.92	9.22	19.0	2.4	0.4	0.9	40
162380	< 0.005	< 0.05	6.62	29.5	362	0.5	0.05	6.52	0.2	14.5	42.2	98.4	0.76	73.9	2.4	1.3	1.09	7.83	18.4	3.3	0.4	1.0	20
162381	< 0.005	< 0.05	7.68	19.5	206	0.5	0.03	3.56	< 0.1	14.2	47.8	119	0.51	98.2	1.1	0.8	0.80	9.35	24.4	2.2	0.3	1.1	50
162382	< 0.005	< 0.05	5.90	16.0	214	0.5	0.04	4.87	< 0.1	11.1	40.3	117	0.24	93.2	1.1	0.6	0.70	8.43	15.8	1.8	0.6	1.8	70
162383	< 0.005	0.05	6.73	7.8	32	0.4	0.03	5.80	0.1	13.7	42.1	108	0.14	94.5	1.5	0.8	0.89	9.30	16.7	2.6	0.3	0.8	40
162384	1.50	2.41	7.25	5.1	216	1.0	4.98	3.14	0.5	23.4	23.4	61.0	2.04	> 10000	2.4	1.5	0.81	7.75	16.8	2.9	0.3	1.5	50
162385	< 0.005	0.35	7.50	14.7	176	1.4	0.06	6.16	0.1	16.4	43.9	131	2.02	57.6	2.8	1.7	1.19	8.19	16.7	3.2	0.5	1.8	40
162386	< 0.005	0.15	9.88	16.4	331	1.4	0.09	3.18	0.1	16.0	47.9	161	2.52	116	3.5	2.2	1.03	8.01	23.5	3.9	0.6	1.5	70
162387	< 0.005	0.10	9.19	2.7	344	1.5	0.05	1.73	< 0.1	49.3	10.1	14.3	1.76	5.4	1.1	0.5	1.15	2.55	26.9	2.6	0.5	2.9	90
162388	< 0.005	< 0.05	> 10.0	6.4	493	1.5	0.05	2.11	0.2	54.0	15.1	46.4	1.67	19.1	1.6	0.8	1.21	3.21	23.4	2.7	0.6	2.8	40
162389	< 0.005	< 0.05	9.38	6.2	510	1.8	0.05	1.78	0.2	50.6	9.6	21.8	1.46	16.8	1.1	0.4	1.00	2.55	25.6	2.7	0.5	2.8	20
162390	< 0.005	< 0.05	9.94	13.7	295	1.6	0.07	1.56	< 0.1	56.6	8.5	13.7	0.90	5.6	0.9	0.5	1.40	2.66	24.8	2.6	0.5	3.0	60
162391	< 0.005	< 0.05	9.51	7.7	231	1.1	0.06	1.64	0.2	52.4	7.8	15.0	0.87	5.7	0.9	0.5	1.21	2.66	24.2	2.8	0.5	2.9	50
162392	< 0.005	< 0.05	8.97	3.7	124	1.0	0.10	1.57	0.2	40.2	6.1	37.8	0.36	22.6	0.7	0.3	0.79	2.14	21.4	1.7	0.3	2.9	80
162393	< 0.005	< 0.05	7.50	5.0	377	0.6	0.05	5.81	0.1	23.8	54.7	72.8	0.64	152	3.8	2.5	1.08	9.71	21.1	3.6	0.7	2.2	40

Results

SAMPLE_NO	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
162721	1.2	0.2	0.16	18.5	11.1	0.4	1.33	903	0.79	0.96	0.8	19.7	31.8	0.040	3.8	4.2	5.8	< 0.001	0.10	< 0.1	21	2.5	4.6
162722	1.2	< 0.1	0.67	8.7	34.4	0.6	2.76	961	3.40	2.81	2.5	12.7	28.2	0.113	2.7	3.2	15.2	< 0.001	0.84	< 0.1	29	1.1	3.7
162723	< 0.1	< 0.1	0.09	0.9	1.3	< 0.1	0.07	108	2.44	0.12	0.5	0.6	6.5	0.003	0.6	0.2	1.8	0.003	0.11	< 0.1	1	0.3	0.1
162724	1.6	0.1	1.34	31.7	21.5	0.6	1.72	886	0.25	2.92	0.4	42.6	17.3	0.150	13.1	9.9	83.4	< 0.001	0.13	< 0.1	19	2.7	9.1
162725	0.9	< 0.1	0.28	9.8	15.5	0.4	2.99	1150	3.22	> 3.00	4.8	12.7	83.5	0.059	3.4	2.9	9.9	< 0.001	1.39	< 0.1	26	4.4	3.8
162726	0.9	< 0.1	0.13	4.0	17.9	0.4	2.87	1750	< 0.05	1.57	0.2	8.9	127	0.033	2.1	1.6	4.2	0.003	0.03	< 0.1	50	2.4	3.0
162727	0.3	< 0.1	1.56	22.1	12.7	0.1	0.74	465	0.52	2.80	5.2	19.4	34.7	0.051	26.2	5.5	49.8	< 0.001	0.32	1.4	13	< 0.1	3.7
162728	0.3	< 0.1	0.88	20.3	10.5	0.1	0.61	350	0.37	> 3.00	4.9	15.6	11.4	0.033	5.1	4.5	27.1	0.003	0.01	0.6	7	0.3	3.1
162729	1.0	< 0.1	0.57	11.0	18.8	0.3	3.11	1590	0.58	0.70	11.7	18.6	62.9	0.153	6.0	3.9	4.5	< 0.001	0.38	0.4	51	4.1	5.4
162730	1.4	< 0.1	0.23	16.4	16.3	0.6	3.14	1910	0.09	2.56	0.1	18.4	79.7	0.049	3.7	4.6	6.9	0.002	0.30	0.1	41	1.9	4.7
162731	1.1	< 0.1	0.51	10.1	19.2	0.5	2.87	1450	0.29	2.89	0.4	12.9	31.3	0.080	7.8	3.1	21.1	< 0.001	0.31	< 0.1	21	2.5	3.4
162732	0.8	< 0.1	0.89	4.4	9.0	0.3	4.36	1820	0.94	1.79	0.5	8.1	101	0.043	2.7	1.7	24.8	0.011	0.04	< 0.1	45	0.7	2.5
162733	1.2	< 0.1	0.29	5.1	5.3	0.6	2.86	2110	0.35	1.65	< 0.1	10.7	37.2	0.040	2.1	2.1	8.9	0.002	0.14	< 0.1	45	3.1	3.4
162734	0.2	< 0.1	0.62	2.9	4.1	0.1	1.67	1780	1.30	0.79	1.1	4.5	41.2	0.022	11.1	0.9	20.7	0.006	0.09	0.8	17	0.1	1.4
162735	0.4	< 0.1	1.49	4.8	9.3	0.2	2.47	1590	0.13	0.19	0.2	8.6	82.3	0.027	5.2	1.7	41.3	< 0.001	0.09	0.2	36	0.8	2.3
162736	0.8	< 0.1	0.63	25.9	8.5	0.3	3.44	3850	0.98	1.66	2.3	24.3	129	0.197	6.7	6.0	20.4	< 0.001	1.66	1.0	17	1.3	5.0
162737	0.2	< 0.1	1.39	21.2	12.8	< 0.1	1.17	752	0.10	0.79	1.6	23.9	13.6	0.058	4.1	5.5	40.4	< 0.001	0.01	1.1	7	0.5	4.3
162738	0.4	< 0.1	1.48	5.4	17.6	0.3	1.91	1850	< 0.05	1.46	< 0.1	11.2	119	0.043	2.9	2.1	45.5	0.015	0.30	0.2	43	0.6	2.8
162739	0.2	< 0.1	1.54	30.7	8.5	< 0.1	0.25	324	0.21	2.38	1.0	31.4	9.6	0.088	7.1	7.8	52.0	< 0.001	0.04	2.7	7	1.8	5.5
162372	1.0	< 0.1	1.53	14.0	24.1	0.4	1.71	1020	0.64	2.98	14.7	22.6	15.5	0.160	12.5	5.1	54.0	< 0.001	0.12	0.3	15	1.3	5.5
162373	0.4	0.1	1.41	10.2	12.9	0.2	2.24	1680	0.13	1.07	0.1	14.3	48.2	0.046	3.2	3.1	43.5	< 0.001	0.10	0.2	28	0.4	2.9
162374	0.3	< 0.1	0.97	4.7	18.9	0.2	2.23	1610	< 0.05	0.73	< 0.1	8.9	42.1	0.038	2.8	1.9	28.9	< 0.001	0.23	0.2	38	0.5	2.3
162375	0.2	< 0.1	0.27	2.0	8.4	< 0.1	2.10	1600	0.20	0.29	< 0.1	3.8	26.1	0.018	1.2	0.8	8.7	< 0.001	< 0.01	0.3	19	0.6	1.1
162376	0.4	< 0.1	0.85	8.3	28.4	0.3	1.71	2410	0.28	0.91	0.8	11.7	52.5	0.048	3.5	2.8	27.1	< 0.001	0.10	0.5	39	1.5	2.9
162377	0.3	< 0.1	0.65	11.3	23.7	0.2	2.13	1740	0.73	1.11	< 0.1	14.5	43.0	0.051	3.7	3.7	18.2	< 0.001	0.24	1.5	28	0.8	3.6
162378	0.3	< 0.1	0.42	5.9	28.1	0.2	2.76	2150	0.06	1.34	< 0.1	10.1	63.1	0.045	2.5	2.3	12.3	0.006	0.18	0.2	43	0.9	3.6
162379	0.3	0.1	0.28	5.6	31.2	0.2	3.22	2300	0.14	1.67	< 0.1	11.5	65.3	0.044	2.4	2.0	6.5	0.003	0.29	0.2	42	0.8	3.1
162380	0.6	0.1	0.48	6.5	27.2	0.3	2.73	1940	< 0.05	0.87	< 0.1	11.3	56.6	0.039	3.3	2.1	15.6	0.006	0.23	< 0.1	40	1.8	3.1
162381	0.3	< 0.1	0.30	6.2	29.5	0.3	2.88	1910	0.20	2.02	< 0.1	11.8	67.2	0.047	2.3	2.1	10.4	< 0.001	0.18	0.2	45	0.5	2.9
162382	0.2	< 0.1	0.25	4.0	22.8	0.2	2.64	2120	0.71	2.06	3.1	8.4	56.2	0.045	1.9	1.7	3.5	0.003	0.21	1.9	36	0.1	2.3
162383	0.3	< 0.1	0.08	5.8	31.2	0.3	2.72	2360	< 0.05	1.84	< 0.1	10.6	63.8	0.041	1.8	2.1	4.0	< 0.001	0.19	0.2	40	0.9	2.7
162384	0.7	0.9	2.91	13.2	18.7	0.2	1.97	596	645	2.23	7.0	11.5	24.7	0.102	22.0	3.0	70.8	0.023	1.40	1.2	18	14.0	2.4
162385	0.7	< 0.1	0.78	8.6	31.6	0.3	3.12	2040	2.57	0.98	0.7	10.5	88.5	0.044	4.4	2.4	26.8	0.003	0.03	0.6	31	0.1	2.9
162386	1.0	0.1	1.63	7.5	27.1	0.3	2.51	1860	0.45	1.41	0.6	10.8	94.2	0.044	4.9	2.4	51.4	< 0.001	0.11	0.2	44	2.4	2.9
162387	0.2	< 0.1	1.20	22.5	8.5	< 0.1	0.93	360	0.39	> 3.00	1.0	22.7	11.7	0.082	5.9	6.0	33.0	< 0.001	0.12	0.4	6	0.9	3.7
162388	0.3	< 0.1	1.35	25.8	12.9	0.1	1.39	522	0.21	> 3.00	< 0.1	27.3	21.6	0.072	8.5	7.1	40.4	< 0.001	0.14	0.2	10	1.3	4.5
162389	0.2	< 0.1	1.35	21.5	13.4	< 0.1	1.24	383	0.42	> 3.00	0.3	22.9	13.0	0.076	15.2	5.9	34.8	< 0.001	0.09	0.2	6	0.4	3.6
162390	0.2	< 0.1	0.64	26.3	10.4	0.1	1.13	343	0.20	> 3.00	2.2	27.6	9.3	0.083	12.5	7.2	13.8	< 0.001	0.15	1.2	6	0.5	4.2
162391	0.2	< 0.1	0.57	25.6	9.0	< 0.1	0.91	329	0.31	> 3.00	1.1	25.3	9.7	0.083	7.2	6.9	13.1	< 0.001	0.12	0.5	6	1.0	4.6
162392	0.1	< 0.1	0.16	19.8	7.5	< 0.1	0.86	251	0.73	> 3.00	1.9	19.4	8.4	0.059	7.7	5.1	3.3	0.003	0.13	1.2	4	0.9	3.5
162393	0.9	0.1	0.58	11.1	13.2	0.4	3.69	1680	0.35	2.47	0.3	12.6	72.0	0.043	3.9	3.3	18.1	0.002	0.11	0.4	43	2.7	3.1

Results

SAMPLE_NO	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
162721	< 1	> 1000	< 0.1	0.8	0.1	1.6	0.358	0.23	0.5	0.7	200	< 0.1	35.3	2.6	51.2	41
162722	< 1	80.7	< 0.1	0.7	< 0.1	1.4	0.660	0.16	0.5	0.5	106	0.2	32.8	3.4	120	160
162723	< 1	21.9	< 0.1	< 0.1	< 0.1	< 0.1	0.0435	< 0.05	< 0.1	< 0.1	16	0.3	1.4	< 0.1	3.4	4
162724	< 1	543	< 0.1	1.3	< 0.1	3.2	0.337	0.31	0.5	1.7	98	< 0.1	41.6	3.8	106	129
162725	2	160	0.2	0.6	0.2	1.0	0.503	0.10	0.3	0.4	180	0.2	24.8	2.5	103	110
162726	< 1	153	< 0.1	0.6	< 0.1	0.3	0.262	0.06	0.3	0.1	197	< 0.1	23.3	2.2	107	11
162727	2	224	< 0.1	0.4	0.2	3.0	0.360	0.29	0.1	1.0	89	0.3	9.7	1.1	81.3	103
162728	2	158	0.2	0.2	0.1	3.2	0.213	0.19	0.1	1.0	44	0.5	7.7	0.8	47.2	108
162729	1	611	0.5	0.8	0.3	0.8	1.38	0.11	0.4	0.3	401	2.3	22.7	2.5	155	53
162730	< 1	112	< 0.1	0.9	< 0.1	2.8	0.317	0.06	0.5	1.0	263	< 0.1	37.6	3.7	134	81
162731	3	95.8	< 0.1	0.7	< 0.1	1.8	0.312	0.39	0.5	1.5	87	< 0.1	31.8	3.7	172	93
162732	< 1	111	< 0.1	0.6	< 0.1	0.4	0.413	0.27	0.4	< 0.1	290	< 0.1	22.8	2.3	119	25
162733	< 1	118	< 0.1	0.8	< 0.1	0.5	0.365	0.12	0.5	0.2	292	< 0.1	35.2	3.6	149	29
162734	< 1	325	< 0.1	0.2	< 0.1	0.1	0.252	0.15	< 0.1	0.6	124	< 0.1	4.8	0.6	106	23
162735	< 1	500	< 0.1	0.3	< 0.1	0.2	0.300	0.26	0.2	0.2	202	< 0.1	9.2	1.2	161	42
162736	1	294	< 0.1	0.8	0.1	3.7	0.503	0.14	0.3	1.4	106	0.1	24.2	2.1	141	63
162737	< 1	389	< 0.1	0.3	< 0.1	1.4	0.241	0.19	0.1	0.4	62	< 0.1	6.7	0.5	54.4	92
162738	< 1	170	< 0.1	0.3	< 0.1	0.4	0.207	0.20	0.2	0.1	187	< 0.1	10.3	1.4	143	44
162739	< 1	506	< 0.1	0.3	< 0.1	2.2	0.302	0.24	< 0.1	1.0	68	< 0.1	6.0	0.6	49.2	111
162372	3	525	0.6	0.8	0.2	1.0	0.703	0.31	0.4	1.1	160	0.2	26.0	3.3	112	136
162373	< 1	326	< 0.1	0.3	< 0.1	0.7	0.420	0.20	0.2	0.3	197	< 0.1	8.4	1.3	90.5	77
162374	< 1	341	< 0.1	0.2	< 0.1	0.4	0.189	0.16	0.2	0.1	171	< 0.1	7.0	1.0	102	33
162375	< 1	149	< 0.1	0.2	< 0.1	0.2	0.150	0.38	< 0.1	< 0.1	99	< 0.1	5.5	0.6	62.3	17
162376	< 1	299	< 0.1	0.3	< 0.1	1.0	0.450	0.30	0.2	0.2	279	< 0.1	9.5	1.3	103	89
162377	< 1	352	< 0.1	0.3	< 0.1	0.9	0.250	0.18	0.1	0.4	158	< 0.1	7.8	1.2	80.9	59
162378	< 1	237	< 0.1	0.2	< 0.1	0.3	0.145	0.10	0.1	0.1	151	< 0.1	8.1	1.2	122	33
162379	< 1	156	< 0.1	0.3	< 0.1	0.3	0.188	0.08	0.2	0.1	193	< 0.1	7.6	1.3	139	29
162380	< 1	216	< 0.1	0.4	< 0.1	0.4	0.181	0.07	0.3	0.1	171	< 0.1	13.8	1.6	130	35
162381	< 1	141	< 0.1	0.2	< 0.1	0.3	0.219	0.06	0.2	0.1	192	< 0.1	7.7	1.4	153	41
162382	< 1	113	0.2	0.3	< 0.1	0.3	0.720	0.07	0.1	0.1	314	< 0.1	6.0	0.9	135	75
162383	< 1	108	< 0.1	0.4	< 0.1	0.3	0.153	< 0.05	0.2	0.1	148	< 0.1	7.8	1.2	130	24
162384	12	480	0.3	0.5	0.5	3.0	0.356	0.21	0.3	1.3	185	2.5	16.0	1.5	119	59
162385	< 1	410	< 0.1	0.6	< 0.1	0.6	0.396	0.09	0.3	0.3	248	< 0.1	19.9	2.3	131	75
162386	< 1	477	< 0.1	0.6	0.2	0.7	0.356	0.50	0.4	0.3	211	< 0.1	24.4	2.8	129	62
162387	< 1	520	< 0.1	0.3	0.2	1.7	0.303	0.30	< 0.1	0.5	66	< 0.1	5.8	0.4	56.4	117
162388	< 1	691	< 0.1	0.4	0.1	2.1	0.231	0.25	0.2	0.8	79	< 0.1	8.9	0.8	64.1	95
162389	< 1	708	< 0.1	0.2	0.2	1.7	0.271	0.20	< 0.1	1.3	67	< 0.1	6.2	0.6	63.2	115
162390	1	706	< 0.1	0.2	0.1	2.1	0.318	0.12	< 0.1	0.7	70	< 0.1	7.0	0.4	65.0	128
162391	< 1	584	< 0.1	0.2	0.1	2.0	0.295	0.08	< 0.1	0.7	62	< 0.1	6.6	0.4	58.2	124
162392	< 1	486	< 0.1	0.2	< 0.1	1.5	0.245	< 0.05	< 0.1	0.5	47	< 0.1	4.7	0.4	47.3	110
162393	< 1	411	< 0.1	0.6	< 0.1	1.7	0.447	0.07	0.4	0.6	277	< 0.1	26.7	2.5	105	80

QC

SAMPLE_NO	Au_FA-AA	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb
GXR-1 Meas		34.0	2.35	425	702	0.7	1430	1.02	2.7	14.3	8.2	15.5	2.85	1200	4.1		0.64	25.1	10.4	4.3		0.5	3910
GXR-1 Cert		31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960	3900
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		3.09	7.11	107	133	1.8	19.1	1.20	0.3	113	14.6	51.5	3.00	6710	2.4		1.75	3.10	16.9	5.1		1.3	110
GXR-4 Cert		4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30	110
SDC-1 Meas			8.92	1.4	645	2.7		1.07		88.5	17.7	57.3	3.94	30.1	5.5	3.0	1.63	4.72	19.9	6.6		1.0	50
SDC-1 Cert			8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	6.70	4.10	1.70	4.82	21.00	7.00		8.30	200.00
GXR-6 Meas		0.15	> 10.0	262	1550	0.9	0.16	0.19	0.1	13.2	12.2	88.6	3.13	62.5	1.2		0.38	4.58	36.6	1.3		2.7	70
GXR-6 Cert		1.30	17.7	330	1300	1.40	0.290	0.180	1.00	36.0	13.8	96.0	4.20	66.0	2.80		0.760	5.58	35.0	2.97		4.30	68.0
SAR-M (U.S.G.S.) Meas		2.94	6.71	38.0	817	2.4	1.82	0.63	5.4	116	11.8	96.5		322				3.24	19.9				
SAR-M (U.S.G.S.) Cert		3.64	6.30	38.8	801	2.20	1.94	0.61	5.27	122.0	10.70	79.7		331.0000				2.99	17				
DNC-1a Meas					102						58.3	230		95.7			0.59		13.2				
DNC-1a Cert					118						57.0	270		100.00			0.59		15				
OxD108 Meas	0.411																						
OxD108 Cert	0.414																						
OxD108 Meas	0.409																						
OxD108 Cert	0.414																						
OxD108 Meas	0.402																						
OxD108 Cert	0.414																						
SBC-1 Meas				27.6	663	2.9	0.64		0.5	106	22.3	111	7.92	30.8	5.2	2.8	2.10		25.2	8.0		3.0	
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000	7.10	3.80	1.98		27.0	8.5		3.7	
SG66 Meas	1.08																						
SG66 Cert	1.09																						
SG66 Meas	1.07																						
SG66 Cert	1.09																						
SG66 Meas	1.08																						
SG66 Cert	1.09																						
162721 Dup		0.10	8.06	0.7	23	0.5	0.66	9.07	< 0.1	32.9	9.8	71.2	0.07	1010	4.4	2.9	2.96	6.85	28.5	5.7	1.2	1.3	50
162730 Dup	< 0.005																						
162739 Dup	< 0.005																						
162382 Split	< 0.005	0.08	6.80	11.6	224	0.4	0.04	4.53	< 0.1	13.0	44.9	112	0.45	96.2	1.0	0.8	0.74	8.67	19.1	2.3	0.2	1.1	40
162382 Dup	< 0.005																						
162390 Dup		< 0.05	9.37	11.8	265	1.4	0.07	1.70	0.2	51.6	7.6	13.2	0.76	12.0	1.1	0.6	1.09	2.56	25.3	2.5	0.4	2.8	30
162392 Dup		< 0.05	9.18	5.4	126	1.1	0.11	1.59	< 0.1	39.9	6.8	42.2	0.18	24.2	0.7	0.3	0.90	2.24	24.7	1.7	0.3	2.9	100

QC

SAMPLE_NO	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
GXR-1 Meas		0.6	0.05	7.5	7.5	0.2	0.23	898	18.3	0.05	0.9	8.4	42.4	0.060	787		3.8		0.25	25.1	2	16.5	3.0
GXR-1 Cert		0.770	0.050	7.50	8.20	0.280	0.217	852	18.0	0.0520	0.800	18.0	41.0	0.0650	730		14.0		0.257	122	1.58	16.6	2.70
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		0.2	2.74	65.6	10.7	< 0.1	1.87	160	334	0.56	9.9	43.9	43.5	0.133	49.1		127		1.78	4.6	8	8.4	7.0
GXR-4 Cert		0.270	4.01	64.5	11.1	0.170	1.66	155	310	0.564	10.0	45.0	42.0	0.120	52.0		160		1.77	4.80	7.70	5.60	6.60
SDC-1 Meas	1.3		1.77	44.5	34.3		1.05	896		1.60	< 0.1	42.6	38.8	0.054	23.1		85.7			< 0.1	17		8.3
SDC-1 Cert	1.50		2.72	42.00	34.00		1.02	880.00		1.52	21.00	40.00	38.0	0.0690	25.00		127.00			0.54	17.00		8.20

SAMPLE_NO	Ho_TD-MS	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS
	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
GXR-6 Meas		< 0.1	1.35	4.9	39.5	0.2	0.39	907	0.78	0.12	1.5	6.2	23.7	0.030	84.2		35.5		< 0.01	0.7	19	1.3	1.4
GXR-6 Cert		0.260	1.87	13.9	32.0	0.330	0.609	1010	2.40	0.104	7.50	13.0	27.0	0.0350	101		90.0		0.0160	3.60	27.6	0.940	2.67
SAR-M (U.S.G.S.) Meas		1.0	1.44	59.3	27.6		0.51	5740	12.1	1.27	11.8		47.6	0.061	1000		81.4			5.0	9	2.6	
SAR-M (U.S.G.S.) Cert		1.08	2.94	57.4	27.4		0.50	5220	13.1	1.140	29.9		41.5	0.07	982		146			6.0	7.83	0.39	
DNC-1a Meas				3.7	4.4						1.6	5.3	279		5.8		4.8			0.4	31		
DNC-1a Cert				3.6	5.20						3	5.20	247		6.3		5			0.96	31		
OxD108 Meas																							
OxD108 Cert																							
OxD108 Meas																							
OxD108 Cert																							
OxD108 Meas																							
OxD108 Cert																							
SBC-1 Meas	1.3			53.6	158	0.4			1.89		14.6	49.3	91.8		33.5	13.0	121			1.0	21		9.4
SBC-1 Cert	1.40			52.5	163.0	0.54			2.40		15.3	49.2	82.8		35.0	12.6	147			1.01	20.0		9.6
SG66 Meas																							
SG66 Cert																							
SG66 Meas																							
SG66 Cert																							
SG66 Meas																							
SG66 Cert																							
162721 Dup	1.1	0.1	0.16	18.4	11.2	0.4	1.33	889	0.90	0.98	1.6	19.9	30.3	0.041	3.8	4.4	4.6	< 0.001	0.10	0.1	21	1.4	4.0
162730 Dup																							
162739 Dup																							
162382 Split	0.3	< 0.1	0.28	5.6	24.3	0.2	2.59	2070	< 0.05	2.09	< 0.1	10.1	58.9	0.041	2.0	2.2	7.6	0.003	0.22	0.1	39	0.5	2.3
162382 Dup																							
162390 Dup	0.2	< 0.1	0.63	25.2	10.4	< 0.1	1.09	332	1.38	> 3.00	1.1	25.0	10.5	0.078	12.1	6.8	16.7	< 0.001	0.14	0.5	5	0.9	4.0
162392 Dup	0.1	< 0.1	0.16	19.1	7.8	< 0.1	0.90	259	0.81	> 3.00	1.9	18.1	7.9	0.059	8.8	5.1	3.4	< 0.001	0.14	1.3	4	0.4	2.7

QC

SAMPLE_NO	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GXR-1 Meas	32	301	< 0.1	0.7	9.0	2.4	0.0277	0.40	0.4	32.4	88	110	32.4	2.1	840	19
GXR-1 Cert	54.0	275	0.175	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	38.0
DH-1a Meas						> 500				2580						
DH-1a Cert						910				2629						
GXR-4 Meas	8	230	0.5	0.6	0.8	14.4	0.290	2.33	0.2	5.7	98	28.8	15.7	1.0	76.1	41
GXR-4 Cert	5.60	221	0.790	0.360	0.970	22.5	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0	186
SDC-1 Meas	< 1	180	< 0.1	1.1		9.2	0.251	0.77	0.6	2.7	62	< 0.1		3.1	109	42
SDC-1 Cert	3.00	180.00	1.20	1.20		12.00	0.606	0.70	0.65	3.10	102.00	0.80		4.00	103.00	290.00
GXR-6 Meas	< 1	36.1	< 0.1	0.2	0.1	1.6		0.99		0.7	164	< 0.1	5.7	1.0	120	93
GXR-6 Cert	1.70	35.0	0.485	0.415	0.0180	5.30		2.20		1.54	186	1.90	14.0	2.40	118	110
SAR-M (U.S.G.S.) Meas	2	157			0.6	13.7	0.379	1.70		4.2	73	4.2	31.7		1050	
SAR-M (U.S.G.S.) Cert	2.76	151			0.96	17.2	0.38	2.7		3.57	67.2	9.78	28.00		930.0	
DNC-1a Meas		142					0.280				164		16.4	1.9	67.7	41
DNC-1a Cert		144.0					0.29				148.00		18.0	2.0	70.0	38.000

SAMPLE_NO	Sn_TD-MS	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
OxD108 Meas																
OxD108 Cert																
OxD108 Meas																
OxD108 Cert																
OxD108 Meas																
OxD108 Cert																
SBC-1 Meas	4	180	0.7	1.2		12.4	0.509	0.68	0.5	5.7	240	1.2	33.9	3.2	201	124
SBC-1 Cert	3.3	178.0	1.10	1.20		15.8	0.51	0.89	0.56	5.76	220.0	1.60	36.5	3.64	186.0	134.0
SG66 Meas																
SG66 Cert																
SG66 Meas																
SG66 Cert																
SG66 Meas																
SG66 Cert																
162721 Dup	< 1	990	< 0.1	0.9	0.2	1.2	0.391	0.17	0.4	0.7	207	0.2	36.3	3.2	48.5	40
162730 Dup																
162739 Dup																
162382 Split	< 1	117	< 0.1	0.3	< 0.1	0.4	0.286	< 0.05	0.2	0.1	212	< 0.1	7.1	1.0	145	48
162382 Dup																
162390 Dup	< 1	672	< 0.1	0.3	< 0.1	2.0	0.284	0.09	0.1	0.6	63	< 0.1	6.6	0.5	67.2	129
162392 Dup	< 1	486	< 0.1	0.2	0.2	1.5	0.247	< 0.05	< 0.1	0.5	47	< 0.1	4.4	0.3	48.5	114

Quality Analysis ... *Innovative Technologies*

Date Submitted: 05-Jun-15
Invoice No.: A15-04064-Au
Invoice Date: 09-Jun-15
Your Reference: TME

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

25 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-04064-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 05-Jun-15
Invoice No.: A15-04064-Au
Invoice Date: 09-Jun-15
Your Reference: TME

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

25 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-04064-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

SAMPLE_NO	Au_FA-AA
	ppm
162740	0.672
162741	< 0.005
162742	< 0.005
162743	< 0.005
162744	< 0.005
162745	< 0.005
162746	< 0.005
162747	0.023
162748	< 0.005
162749	0.008
162750	0.008
162751	< 0.005
162752	0.008
162753	< 0.005
162754	0.005
162755	0.008
162756	0.010
162757	< 0.005
162758	0.111
162759	< 0.005
162760	0.247
162761	< 0.005
162762	< 0.005
162763	0.018
162764	< 0.005

QC

SAMPLE_NO	Au_FA-AA
	ppm
OxD108 Meas	0.407
OxD108 Cert	0.414
162749 Dup	0.009
162759 Dup	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 05-Jun-15
Invoice No.: A15-04064-TD
Invoice Date: 16-Jun-15
Your Reference: TME

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

25 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-04064-TD**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

SAMPLE_NO	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm
162740	0.39	6.74	15.0	787	1.4	0.30	0.63	< 0.1	30.2	9.1	26.3	1.73	39.7	2.0	1.3	0.45	3.73	19.0	2.2	0.2	3.4	< 10	0.4
162741	0.09	4.91	122	284	0.6	0.04	6.78	0.1	29.6	25.7	340	0.31	23.6	2.1	1.0	0.96	4.85	11.2	3.4	0.3	2.2	< 10	0.4
162742	0.18	5.95	2.3	134	0.9	0.12	0.33	< 0.1	40.1	3.0	9.8	0.27	2.0	3.3	2.4	0.43	1.42	13.8	3.0	0.1	5.2	< 10	0.7
162743	< 0.05	7.59	1.7	17	0.7	0.11	8.20	< 0.1	4.0	60.2	21.9	0.08	3.5	1.4	0.9	0.58	9.90	23.4	1.2	0.2	0.1	< 10	0.3
162744	0.11	5.38	1.4	96	0.8	0.07	0.94	< 0.1	41.7	3.2	6.5	0.07	2.8	3.0	1.7	0.85	1.53	12.1	3.3	0.2	3.9	< 10	0.6
162745	< 0.05	3.91	0.8	10	0.3	0.02	9.01	< 0.1	7.2	25.9	50.9	0.05	122	2.5	1.6	0.58	5.70	10.8	2.0	0.3	0.6	< 10	0.6
162746	0.05	7.91	0.7	43	0.3	< 0.02	7.93	0.1	1.9	55.7	11.1	0.33	53.9	1.0	0.6	0.54	10.7	20.3	0.9	0.2	0.1	< 10	0.2
162747	0.06	7.55	12.9	83	0.4	0.02	6.24	0.1	5.6	49.2	233	0.56	70.4	2.7	1.8	0.57	7.82	14.8	2.1	0.1	0.2	10	0.6
162748	0.23	5.16	1.4	680	2.7	0.03	4.96	0.1	38.5	20.6	47.8	1.01	23.6	5.2	2.9	1.06	5.33	20.3	5.2	1.3	3.6	< 10	1.0
162749	0.25	4.51	10.4	75	0.1	< 0.02	3.87	0.2	3.4	29.0	139	0.24	156	1.6	0.9	0.30	4.62	8.1	1.2	0.1	< 0.1	< 10	0.3
162750	0.06	5.80	89.2	41	0.4	0.02	8.00	0.2	6.5	34.9	80.5	0.51	122	1.0	0.6	0.52	6.70	14.4	1.3	0.3	1.2	< 10	0.2
162751	< 0.05	3.37	113	35	0.2	0.02	8.79	0.1	4.2	19.9	53.6	0.33	62.7	0.8	0.5	0.49	5.99	8.4	1.0	0.3	0.8	< 10	0.2
162752	0.06	4.72	512	24	0.1	< 0.02	8.14	0.2	2.7	19.6	46.0	0.26	96.1	0.6	0.4	0.42	5.05	5.7	0.9	< 0.1	0.7	10	0.1
162753	< 0.05	5.75	4.2	141	0.8	0.02	0.35	< 0.1	59.0	10.3	22.4	0.34	2.2	2.4	1.3	0.80	2.68	14.1	3.2	0.2	3.4	< 10	0.4
162754	0.11	7.08	6.8	780	0.8	0.05	1.34	0.1	50.6	11.5	32.6	1.42	54.9	1.9	1.0	1.03	2.88	13.1	2.9	0.3	3.5	20	0.4
162755	0.11	5.13	20.0	74	< 0.1	0.04	6.42	0.1	7.0	37.1	118	0.31	295	1.4	0.8	0.47	6.13	11.1	1.5	0.2	1.2	< 10	0.3
162756	< 0.05	7.35	543	73	0.2	< 0.02	8.06	0.1	4.4	43.7	218	0.72	102	1.1	0.7	0.45	6.84	14.3	1.3	0.4	0.8	< 10	0.2
162757	0.06	7.59	8.1	74	0.2	< 0.02	9.35	0.1	5.5	48.3	219	0.72	99.4	2.5	1.6	0.58	6.59	13.9	2.1	0.3	0.4	< 10	0.6
162758	0.20	7.86	4210	594	1.4	0.39	0.80	< 0.1	50.3	9.0	19.1	2.13	13.2	2.1	1.1	0.81	3.44	19.4	2.9	0.2	2.8	< 10	0.4
162759	0.05	5.02	9.8	8	0.3	< 0.02	8.37	0.1	3.0	47.1	296	< 0.05	70.1	1.7	1.2	0.41	7.09	15.4	1.3	0.7	0.3	< 10	0.4
162760	0.89	7.57	18.4	974	3.1	1.62	3.34	< 0.1	67.1	16.3	99.4	11.0	2620	4.5	2.7	1.25	4.29	14.2	5.2	0.4	3.1	< 10	0.9
162761	< 0.05	7.34	2.6	30	0.2	< 0.02	9.91	0.1	4.7	44.1	192	0.08	97.3	2.2	1.5	0.51	6.33	12.0	1.9	0.3	0.4	10	0.5
162762	< 0.05	8.51	25.8	27	0.2	0.03	7.72	< 0.1	6.4	55.7	206	0.61	133	3.2	2.1	0.68	6.62	17.1	2.6	0.5	0.3	50	0.7
162763	0.08	8.13	21.0	241	0.5	0.10	4.09	< 0.1	16.0	63.0	77.9	3.03	211	4.8	3.0	1.07	10.0	19.1	4.2	0.5	0.7	< 10	1.0
162764	0.08	6.94	2.7	405	1.1	0.08	1.21	< 0.1	32.2	11.1	20.9	1.00	16.3	1.4	0.7	0.52	2.93	16.5	1.9	0.1	2.1	10	0.3

Results

SAMPLE_NO	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
162740	< 0.1	1.14	14.0	15.3	0.2	1.08	372	1.71	0.98	4.0	11.8	32.2	0.045	5.5	3.3	62.0	0.001	0.16	0.9	11	0.7	2.4	2
162741	< 0.1	0.42	13.6	18.4	0.1	2.73	975	0.28	1.62	1.9	15.6	142	0.111	3.3	3.8	12.5	0.002	0.01	1.5	15	0.7	3.7	1
162742	< 0.1	0.65	15.2	6.3	0.5	0.34	165	0.41	> 3.00	9.2	14.1	2.2	0.005	1.5	4.2	20.1	0.003	< 0.01	0.3	7	0.3	2.9	3
162743	< 0.1	0.06	1.8	17.0	0.1	2.73	973	0.05	0.03	< 0.1	2.7	50.2	0.006	2.6	0.6	1.5	0.008	0.23	< 0.1	37	0.6	0.9	< 1
162744	< 0.1	0.14	20.0	3.3	0.3	0.31	227	0.32	> 3.00	6.7	17.8	2.1	0.021	2.0	4.9	3.7	0.002	< 0.01	< 0.1	6	0.6	3.6	2
162745	< 0.1	0.01	3.1	23.4	0.2	2.18	1160	0.15	0.89	0.4	4.7	47.2	0.019	< 0.5	1.0	0.4	0.004	0.01	< 0.1	23	0.3	1.5	< 1
162746	< 0.1	0.12	0.8	12.2	0.1	2.87	1530	0.07	1.51	< 0.1	1.5	17.6	0.003	1.6	0.3	4.4	0.006	0.12	< 0.1	38	0.4	0.6	< 1
162747	< 0.1	0.20	2.1	17.6	0.2	4.11	1400	0.44	1.76	1.4	4.4	189	0.023	2.2	0.9	7.5	0.002	0.08	0.4	40	0.8	1.5	< 1
162748	< 0.1	1.54	13.1	20.8	0.4	1.47	893	0.68	2.74	12.7	20.6	17.9	0.149	12.8	4.8	51.7	0.002	0.13	< 0.1	14	1.1	5.1	3
162749	< 0.1	0.29	1.3	20.2	0.1	2.09	769	0.27	0.79	0.7	2.5	102	0.023	1.0	0.5	9.6	0.001	0.07	0.4	24	0.6	0.9	1
162750	< 0.1	0.20	2.4	16.9	0.1	3.29	1470	0.10	0.90	0.2	4.7	78.6	0.023	1.0	1.0	7.1	0.002	0.07	0.6	38	0.3	1.4	< 1
162751	< 0.1	0.13	1.6	4.9	0.1	2.75	1540	0.22	0.35	0.9	3.3	50.7	0.019	0.9	0.7	6.1	0.002	0.29	3.4	29	0.5	1.1	< 1
162752	< 0.1	0.09	0.9	2.9	< 0.1	1.52	1530	0.24	> 3.00	0.8	2.4	51.1	0.018	0.7	0.5	4.1	0.002	0.40	4.6	24	0.7	0.8	< 1
162753	< 0.1	0.41	28.6	18.5	0.2	1.08	283	0.22	> 3.00	1.8	22.8	19.3	0.035	1.4	6.6	8.3	0.002	< 0.01	< 0.1	6	0.2	4.0	2
162754	< 0.1	1.67	23.7	27.5	0.2	0.69	425	0.69	2.05	2.8	21.0	28.5	0.030	6.9	5.8	50.6	0.001	0.12	0.1	9	0.7	3.5	1
162755	< 0.1	0.27	2.8	18.3	0.2	2.15	1190	0.46	0.33	1.3	4.5	79.1	0.021	1.8	1.0	9.8	0.002	0.25	0.5	29	0.8	1.3	< 1
162756	< 0.1	0.50	1.6	18.7	0.2	3.34	1160	0.10	1.48	0.3	3.4	173	0.015	0.9	0.7	19.7	0.001	0.23	1.1	37	0.4	1.1	< 1
162757	< 0.1	0.16	2.1	24.1	0.2	3.23	1880	0.14	2.64	0.2	4.3	183	0.019	1.6	0.9	8.2	0.003	0.02	0.1	41	0.6	1.5	< 1
162758	< 0.1	1.87	23.8	19.9	0.1	0.63	358	0.87	2.61	7.4	20.5	13.9	0.066	5.3	5.8	53.1	0.002	0.73	2.2	13	0.2	3.6	2
162759	< 0.1	< 0.01	1.1	8.3	0.2	2.94	1470	0.33	0.78	1.5	2.8	176	0.017	0.8	0.5	< 0.2	0.003	0.02	4.8	33	0.7	1.0	< 1
162760	0.2	2.27	34.6	33.6	0.4	1.47	552	93.1	2.06	14.8	28.7	51.1	0.096	24.0	7.9	155	0.006	0.35	0.6	14	3.5	5.7	5
162761	< 0.1	0.05	1.8	5.5	0.2	3.33	1450	0.20	1.86	0.7	3.7	166	0.017	< 0.5	0.7	0.8	0.002	0.06	< 0.1	38	0.6	1.3	< 1
162762	< 0.1	0.10	2.4	33.0	0.3	2.22	1480	0.17	2.14	0.6	5.1	203	0.025	1.3	1.0	3.3	0.004	0.19	0.8	45	1.1	1.8	< 1
162763	< 0.1	0.91	6.4	37.9	0.5	3.66	1200	0.12	1.99	0.6	10.7	88.1	0.052	2.9	2.4	41.1	0.004	0.50	< 0.1	42	1.3	3.2	< 1
162764	< 0.1	1.40	15.0	17.8	0.1	0.68	464	0.48	2.60	3.8	12.2	18.0	0.049	2.5	3.5	41.8	0.002	0.03	0.1	9	0.2	2.1	1

Results

SAMPLE_NO	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
162740	132	< 0.1	0.3	< 0.1	3.7	0.294	0.46	0.2	1.0	88	1.9	12.1	1.4	52.3	122
162741	162	< 0.1	0.4	< 0.1	2.2	0.242	0.08	0.1	0.7	107	0.3	10.6	0.9	107	89
162742	68.6	0.6	0.5	< 0.1	6.0	0.0697	0.09	0.4	1.2	8	0.3	21.4	3.2	13.2	162
162743	809	< 0.1	0.2	< 0.1	0.1	0.263	< 0.05	0.1	< 0.1	465	< 0.1	8.0	0.8	59.2	4
162744	92.2	0.4	0.5	< 0.1	3.9	0.177	< 0.05	0.3	0.9	15	0.2	17.7	1.8	14.5	132
162745	68.2	< 0.1	0.4	0.1	0.2	0.348	< 0.05	0.2	< 0.1	187	< 0.1	14.7	1.5	70.3	24
162746	265	< 0.1	0.2	< 0.1	< 0.1	0.268	< 0.05	< 0.1	< 0.1	262	< 0.1	5.9	0.6	94.6	2
162747	147	< 0.1	0.4	< 0.1	0.2	0.445	< 0.05	0.3	< 0.1	257	1.1	16.6	1.7	95.7	5
162748	442	0.7	0.8	< 0.1	0.9	0.683	0.51	0.4	1.2	153	0.2	22.8	2.7	105	141
162749	57.5	< 0.1	0.2	< 0.1	0.1	0.267	< 0.05	0.1	0.2	150	0.3	9.2	0.9	54.4	2
162750	89.4	< 0.1	0.2	< 0.1	0.2	0.348	< 0.05	< 0.1	< 0.1	225	< 0.1	5.1	0.7	78.6	40
162751	41.4	< 0.1	0.1	< 0.1	0.1	0.274	< 0.05	< 0.1	< 0.1	166	< 0.1	3.8	0.6	46.7	26
162752	54.2	< 0.1	0.1	< 0.1	0.2	0.231	< 0.05	< 0.1	0.2	84	0.1	3.1	0.5	28.4	25
162753	56.4	< 0.1	0.4	< 0.1	4.7	0.220	0.05	0.2	0.6	50	< 0.1	13.1	1.2	40.4	113
162754	218	0.2	0.3	< 0.1	3.7	0.283	0.25	0.2	1.0	68	0.1	10.5	1.0	52.4	131
162755	66.9	< 0.1	0.2	< 0.1	0.6	0.271	0.05	0.1	0.2	161	0.5	7.5	0.9	105	47
162756	54.1	< 0.1	0.2	< 0.1	0.2	0.294	0.09	0.1	< 0.1	220	< 0.1	6.2	0.9	76.7	29
162757	156	< 0.1	0.4	< 0.1	0.2	0.279	< 0.05	0.2	< 0.1	229	< 0.1	15.4	1.6	77.9	10
162758	243	0.5	0.4	< 0.1	4.3	0.348	0.27	0.2	0.9	87	6.8	11.3	0.9	48.2	106
162759	124	< 0.1	0.3	< 0.1	< 0.1	0.430	< 0.05	0.2	< 0.1	264	< 0.1	8.6	1.1	73.9	8
162760	319	0.7	0.8	< 0.1	16.9	0.488	0.98	0.4	4.3	142	2.9	26.1	2.4	88.8	105
162761	74.4	< 0.1	0.3	< 0.1	0.2	0.353	< 0.05	0.2	< 0.1	235	< 0.1	13.3	1.3	58.4	10
162762	128	< 0.1	0.5	< 0.1	0.2	0.346	< 0.05	0.3	< 0.1	257	< 0.1	19.1	2.1	101	9
162763	162	< 0.1	0.7	< 0.1	0.6	0.489	0.19	0.5	0.2	214	< 0.1	28.4	3.0	132	26
162764	142	0.3	0.3	< 0.1	2.5	0.179	0.24	0.1	0.5	76	0.4	7.7	0.8	60.7	79

QC

SAMPLE_NO	Ag_TD-MS	Al_TD-MS	As_TD-MS	Ba_TD-MS	Be_TD-MS	Bi_TD-MS	Ca_TD-MS	Cd_TD-MS	Ce_TD-MS	Co_TD-MS	Cr_TD-MS	Cs_TD-MS	Cu_TD-MS	Dy_TD-MS	Er_TD-MS	Eu_TD-MS	Fe_TD-MS	Ga_TD-MS	Gd_TD-MS	Ge_TD-MS	Hf_TD-MS	Hg_TD-MS	Ho_TD-MS
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm
GXR-1 Meas	30.3	2.17	500	663	1.0	1270	1.05	2.4	14.3	7.9	18.5	2.65	1160	4.5		0.58	23.2	6.6	4.0		0.4	2550	
GXR-1 Cert	31.0	3.52	427	750	1.22	1380	0.960	3.30	17.0	8.20	12.0	3.00	1110	4.30		0.690	23.6	13.8	4.20		0.960	3900	
GXR-4 Meas	3.28	6.39	118	258	2.2	18.0	1.23	< 0.1	101	13.6	47.4	2.43	6580	2.7		1.38	2.82	16.1	4.6		1.2		
GXR-4 Cert	4.00	7.20	98.0	1640	1.90	19.0	1.01	0.860	102	14.6	64.0	2.80	6520	2.60		1.63	3.09	20.0	5.25		6.30		
SDC-1 Meas		5.71	1.0	575	2.7		0.99		58.0	17.1	64.7	3.31	30.4	4.7	2.8	1.07	4.17	18.6	5.0		1.5		1.0
SDC-1 Cert		8.34	0.220	630	3.00		1.00		93.00	18.0	64.00	4.00	30.000	6.70	4.10	1.70	4.82	21.00	7.00		8.30		1.50
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas	3.37	6.18	46.4	786	2.9	1.68	0.71	5.4	108	11.1	78.8		352				3.09	16.2					
SAR-M (U.S.G.S.) Cert	3.64	6.30	38.8	801	2.20	1.94	0.61	5.27	122.0	10.70	79.7		331.0000				2.99	17					
DNC-1a Meas				107						56.4	212		104			0.58		13.0					
DNC-1a Cert				118						57.0	270		100.00			0.59		15					
SBC-1 Meas			30.8	759	3.5	0.67		0.4	99.0	22.0	71.7	7.92	32.3	6.5	3.6	1.84		22.1	8.2		3.2		1.2
SBC-1 Cert			25.7	788.0	3.20	0.70		0.40	108.0	22.7	109	8.2	31.0000	7.10	3.80	1.98		27.0	8.5		3.7		1.40
OREAS 45d (4-Acid) Meas		7.68	10.5	184	0.8	0.33	0.24		34.2	29.8	408	3.62	385	2.2	1.3	0.57	13.7	20.9	2.3		2.1		0.5
OREAS 45d (4-Acid) Cert		8.150	13.80	183.0	0.79	0.31	0.185		37.20	29.50	549.0	3.910	371.0	2.26	1.38	0.57	14.520	21.20	2.42		3.830		0.46
162740 Dup	0.47	6.83	13.5	766	1.2	0.28	0.61	< 0.1	28.4	8.9	26.5	1.68	62.1	1.9	1.2	0.46	3.66	19.5	2.2	0.1	3.3	10	0.4

QC

SAMPLE_NO	In_TD-MS	K_TD-MS	La_TD-MS	Li_TD-MS	Lu_TD-MS	Mg_TD-MS	Mn_TD-MS	Mo_TD-MS	Na_TD-MS	Nb_TD-MS	Nd_TD-MS	Ni_TD-MS	P_TD-ICP	Pb_TD-MS	Pr_TD-MS	Rb_TD-MS	Re_TD-MS	S_TD-ICP	Sb_TD-MS	Sc_TD-ICP	Se_TD-MS	Sm_TD-MS	Sn_TD-MS
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
GXR-1 Meas	0.8	0.04	7.3	8.0	0.3	0.23	810	16.5	0.04	0.8	7.8	47.0	0.060	700		2.8		0.25	24.8	2	17.5	2.6	27
GXR-1 Cert	0.770	0.050	7.50	8.20	0.280	0.217	852	18.0	0.0520	0.800	18.0	41.0	0.0650	730		14.0		0.257	122	1.58	16.6	2.70	54.0
GXR-4 Meas	0.2	3.50	54.4	11.3	0.1	1.60	156	297	0.51	9.0	38.1	44.8	0.125	48.2		131		1.77	4.0	8	5.9	5.8	7
GXR-4 Cert	0.270	4.01	64.5	11.1	0.170	1.66	155	310	0.564	10.0	45.0	42.0	0.120	52.0		160		1.77	4.80	7.70	5.60	6.60	5.60
SDC-1 Meas		1.80	20.3	33.5		0.90	782		1.50	17.0	23.8	39.0	0.056	23.5		70.4			0.5	16		5.1	3
SDC-1 Cert		2.72	42.00	34.00		1.02	880.00		1.52	21.00	40.00	38.0	0.0690	25.00		127.00			0.54	17.00		8.20	3.00
GXR-6 Meas													0.038					0.02		29			
GXR-6 Cert													0.0350					0.0160		27.6			
SAR-M (U.S.G.S.) Meas	1.0	2.45	51.9	30.2		0.47	5260	12.4	1.22	23.4		51.3	0.059	895		126			5.3	9	1.3		3
SAR-M (U.S.G.S.) Cert	1.08	2.94	57.4	27.4		0.50	5220	13.1	1.140	29.9		41.5	0.07	982		146			6.0	7.83	0.39		2.76
DNC-1a Meas			3.7	4.8						1.4	4.7	304		6.3		3.5			0.7	32			
DNC-1a Cert			3.6	5.20						3	5.20	247		6.3		5			0.96	31			
SBC-1 Meas			48.7	174	0.5			2.10		12.6	44.9	97.2		36.1	11.9	118			0.9	22		9.0	3
SBC-1 Cert			52.5	163.0	0.54			2.40		15.3	49.2	82.8		35.0	12.6	147			1.01	20.0		9.6	3.3
OREAS 45d (4-Acid) Meas	< 0.1	0.40	16.3	22.1	0.2	0.27	463	0.58	0.10	2.7	13.3	261	0.037	21.7	3.7	40.7		0.05	0.1	58		2.7	1
OREAS 45d (4-Acid) Cert	0.096	0.412	16.9	21.50	0.18	0.245	490.000	2.500	0.101	14.50	13.4	231.0	0.042	21.8	3.70	42.1		0.049	0.82	49.30		2.80	2.78
162740 Dup	< 0.1	0.97	13.6	15.3	0.2	1.07	370	1.55	0.99	4.7	11.3	31.7	0.046	5.1	3.2	58.2	0.002	0.15	1.1	11	0.9	2.3	2

QC

SAMPLE_NO	Sr_TD-MS	Ta_TD-MS	Tb_TD-MS	Te_TD-MS	Th_TD-MS	Ti_TD-ICP	Tl_TD-MS	Tm_TD-MS	U_TD-MS	V_TD-MS	W_TD-MS	Y_TD-MS	Yb_TD-MS	Zn_TD-MS	Zr_TD-MS
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GXR-1 Meas	285	< 0.1	0.7	8.8	2.3	0.0276	0.42	0.3	30.6	91	136	30.2	2.1	759	21
GXR-1 Cert	275	0.175	0.830	13.0	2.44	0.036	0.390	0.430	34.9	80.0	164	32.0	1.90	760	38.0
GXR-4 Meas	202	0.6	0.5	0.9	17.3	0.290	3.09	0.2	5.0	97	33.0	13.8	1.0	72.8	40
GXR-4 Cert	221	0.790	0.360	0.970	22.5	0.29	3.20	0.210	6.20	87.0	30.8	14.0	1.60	73.0	186
SDC-1 Meas	142	1.1	0.8		6.2	0.286	0.62	0.4	2.0	105	0.8		2.7	101	52
SDC-1 Cert	180.00	1.20	1.20		12.00	0.606	0.70	0.65	3.10	102.00	0.80		4.00	103.00	290.00
GXR-6 Meas															
GXR-6 Cert															
SAR-M (U.S.G.S.) Meas	149			0.7	16.0	0.405	2.55		3.9	78	6.9	31.2		1020	
SAR-M (U.S.G.S.) Cert	151			0.96	17.2	0.38	2.7		3.57	67.2	9.78	28.00		930.0	
DNC-1a Meas	137					0.286				163		16.9	1.9	67.7	37
DNC-1a Cert	144.0					0.29				148.00		18.0	2.0	70.0	38.000
SBC-1 Meas	171	0.8	1.2		13.9	0.511	0.93	0.5	5.2	234	1.4	32.5	3.4	193	117
SBC-1 Cert	178.0	1.10	1.20		15.8	0.51	0.89	0.56	5.76	220.0	1.60	36.5	3.64	186.0	134.0
OREAS 45d (4-Acid) Meas	29.5	0.2	0.4		13.0	0.272	0.26		2.6	128	0.3	11.4	1.3	45.6	84
OREAS 45d (4-Acid) Cert	31.30	1.02	0.400		14.5	0.773	0.27		2.63	235.0	1.62	9.53	1.33	45.7	141
162740 Dup	129	0.1	0.3	0.1	3.7	0.303	0.46	0.2	1.0	90	2.4	11.8	1.3	51.1	121

Quality Analysis ... *Innovative Technologies*

Date Submitted: 18-Jun-15
Invoice No.: A15-04514-Au
Invoice Date: 29-Jun-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

15 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A15-04514-Au**

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

SAMPLE_NO	Au_FA-AA
	ppm
162765	< 0.005
162766	< 0.005
162767	< 0.005
162768	< 0.005
162769	< 0.005
162770	0.021
162771	0.032
162772	< 0.005
162773	< 0.005
162774	< 0.005
162775	< 0.005
162776	0.005
162777	< 0.005
165001	< 0.005
165002	< 0.005

QC

SAMPLE_NO	Au_FA-AA
	ppm
OxD108 Meas	0.399
OxD108 Cert	0.414
SG66 Meas	1.048
SG66 Cert	1.086
162774 Dup	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 18-Jun-15
Invoice No.: A15-04514-TD
Invoice Date: 07-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

15 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-04514-TD**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Date Submitted: 18-Jun-15
Invoice No.: A15-04514-TD
Invoice Date: 07-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

15 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-04514-TD**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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Results

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
162765	4.3	0.71	0.42	1.73	0.08	0.36	< 0.1	11	13.7	177	1.69	0.2	< 10	9.0	0.3	0.2	0.1	< 0.05	< 0.05	4.9	0.17	0.02	0.4
162766	16.3	0.99	0.37	7.56	1.88	0.19	0.2	19	4.3	39	0.90	1.6	20	2.2	1.4	1.4	0.6	< 0.05	1.19	1.5	0.95	0.07	0.9
162767	19.5	2.20	1.07	7.24	1.57	0.41	< 0.1	20	13.6	148	2.17	2.4	20	4.3	1.5	1.5	0.6	< 0.05	0.96	5.7	0.83	0.45	1.8
162768	33.8	1.59	0.90	6.89	1.59	0.42	< 0.1	38	16.9	324	2.13	3.9	< 10	12.4	1.5	1.3	0.6	< 0.05	1.09	6.6	0.94	0.12	2.0
162769	13.9	2.38	3.04	7.00	0.05	7.34	0.1	179	166	1360	6.64	0.6	< 10	156	1.3	0.2	0.5	< 0.05	0.21	47.2	0.46	< 0.02	1.1
162770	17.3	2.68	3.65	7.77	0.56	6.08	< 0.1	133	135	1540	7.54	0.2	30	155	1.4	0.2	0.6	< 0.05	0.61	54.2	0.59	0.05	1.1
162771	3.3	> 3.00	0.26	6.96	0.23	0.29	< 0.1	21	11.2	80	1.48	1.8	100	3.6	0.2	0.7	0.1	0.12	0.15	3.2	0.49	0.05	2.0
162772	20.1	2.67	1.40	5.48	1.48	4.77	0.1	140	24.2	940	5.32	3.1	20	14.2	2.4	2.6	0.9	< 0.05	0.99	21.2	0.98	0.03	2.0
162773	14.5	2.56	0.65	6.62	1.20	0.35	< 0.1	35	28.6	194	2.60	3.4	20	6.4	1.1	0.6	0.4	< 0.05	0.28	7.2	0.16	0.27	0.8
162774	7.3	1.13	3.43	8.49	0.21	7.84	< 0.1	265	99.1	1110	7.70	0.2	30	52.6	0.4	0.1	0.1	< 0.05	0.21	59.8	0.30	< 0.02	1.3
162775	10.4	2.17	1.54	6.72	0.76	2.10	< 0.1	137	84.2	777	5.99	1.6	20	72.5	0.8	0.7	0.3	< 0.05	0.20	31.8	0.80	< 0.02	0.9
162776	16.7	0.33	3.21	7.75	0.69	1.98	< 0.1	886	20.0	1310	14.8	0.4	20	115	0.4	0.3	0.2	< 0.05	0.33	97.5	0.28	0.11	0.4
162777	14.3	0.23	4.69	7.88	0.50	5.76	0.2	> 1000	19.6	1590	17.5	0.5	< 10	117	0.3	0.2	< 0.1	0.11	0.16	97.4	0.20	0.16	0.9
165001	4.9	> 3.00	0.64	6.34	0.34	0.95	< 0.1	14	17.3	238	1.32	2.0	10	5.7	1.6	0.9	0.7	< 0.05	0.12	4.6	0.67	0.04	1.3
165002	3.3	> 3.00	0.19	6.00	0.27	0.96	0.1	7	27.9	130	0.89	4.8	< 10	3.2	2.0	1.1	0.8	< 0.05	0.13	3.3	0.49	0.05	0.9

Results

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
162765	10.9	4.8	1.5	2.6	3.7	19.7	8	1.3	0.41	< 0.1	< 1	< 0.1	0.4	30	7.7	14.4	1.6	6.0	1.0	0.8	0.1	0.5	5.1
162766	5.2	20.1	0.8	49.3	17.1	96.7	65	1.9	< 0.05	0.2	9	< 0.1	< 0.1	424	21.7	47.2	5.4	20.5	4.0	3.3	0.6	2.7	1.9
162767	11.4	19.9	0.7	45.7	18.7	80.8	90	3.1	0.39	< 0.1	6	< 0.1	< 0.1	171	26.5	57.6	6.5	23.9	4.9	3.8	0.6	2.8	7.3
162768	29.9	15.6	0.7	46.5	16.4	114	136	5.2	2.11	< 0.1	4	< 0.1	< 0.1	276	23.4	50.0	5.7	20.5	3.8	3.1	0.5	2.4	5.0
162769	66.9	10.7	4.3	2.2	12.8	154	16	0.4	< 0.05	< 0.1	< 1	1.0	< 0.1	21	1.8	4.8	0.7	4.1	1.3	1.8	0.3	1.8	69.2
162770	93.5	14.3	1.7	13.8	16.0	134	6	0.2	< 0.05	< 0.1	< 1	0.2	< 0.1	108	2.2	5.6	0.9	4.6	1.8	2.1	0.4	2.4	110
162771	8.3	17.6	660	7.7	4.2	70.0	50	2.8	0.83	< 0.1	< 1	2.0	< 0.1	144	15.5	32.1	3.6	12.3	2.2	1.3	0.1	0.6	6.8
162772	110	24.1	5.7	38.5	20.7	475	126	13.0	0.71	< 0.1	3	0.1	< 0.1	626	10.6	30.4	4.0	18.9	4.9	4.6	0.7	3.8	21.9
162773	61.9	19.9	3.2	37.5	12.5	55.9	141	9.2	1.95	< 0.1	7	0.1	1.2	352	8.0	20.5	2.1	6.7	1.6	1.4	0.3	1.6	14.5
162774	50.9	17.0	1.1	8.0	3.6	169	5	0.2	< 0.05	< 0.1	< 1	< 0.1	0.4	74	0.9	2.0	0.3	1.4	0.4	0.6	0.1	0.6	118
162775	48.6	16.2	5.7	23.6	8.6	117	59	0.7	< 0.05	< 0.1	< 1	0.1	< 0.1	202	13.9	27.7	3.3	12.6	2.7	2.6	0.3	1.4	27.4
162776	161	21.3	23.7	24.2	4.5	61.0	14	0.2	< 0.05	< 0.1	< 1	< 0.1	< 0.1	198	1.4	3.3	0.5	2.6	0.8	0.9	0.1	0.7	111
162777	175	23.2	83.7	13.1	2.1	71.8	14	0.7	0.49	< 0.1	< 1	< 0.1	< 0.1	93	1.8	3.6	0.5	2.2	0.6	0.6	< 0.1	0.4	164
165001	22.2	15.7	1.6	6.4	17.2	44.1	102	0.8	< 0.05	< 0.1	2	< 0.1	0.8	201	30.7	59.1	6.2	21.1	3.9	2.9	0.5	2.4	99.3
165002	6.6	13.4	2.6	5.8	21.5	94.2	164	8.7	0.34	< 0.1	3	< 0.1	< 0.1	128	6.7	17.4	2.1	8.1	2.4	2.7	0.5	3.0	47.8

Results

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
162765	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	1	0.9	0.2	0.0401	0.006	< 0.01
162766	0.4	0.3	1.7	0.3	0.1	0.4	< 0.001	0.16	3.5	6	5.5	1.5	0.123	0.028	< 0.01
162767	0.7	0.3	1.9	0.3	0.3	0.4	< 0.001	0.16	1.0	7	6.7	1.7	0.146	0.025	< 0.01
162768	0.7	0.3	1.9	0.3	0.4	0.8	< 0.001	0.18	2.0	8	5.2	1.1	0.194	0.019	< 0.01
162769	0.3	0.2	1.5	0.2	< 0.1	< 0.1	< 0.001	< 0.05	0.9	34	0.8	< 0.1	0.212	0.013	< 0.01
162770	0.3	0.2	1.6	0.2	< 0.1	< 0.1	< 0.001	0.10	1.5	35	0.3	< 0.1	0.149	0.021	0.17
162771	0.2	< 0.1	0.4	< 0.1	0.2	0.4	< 0.001	0.41	3.7	2	4.1	1.2	0.0398	0.014	0.57
162772	0.7	0.4	2.5	0.4	0.6	0.3	< 0.001	0.57	10.7	11	1.6	1.0	0.650	0.147	0.11
162773	0.1	0.2	1.5	0.2	0.7	0.7	< 0.001	0.28	2.9	6	5.2	1.6	0.185	0.035	0.22
162774	0.2	< 0.1	0.5	< 0.1	< 0.1	< 0.1	0.004	0.12	1.4	28	0.3	< 0.1	0.110	< 0.001	0.22
162775	0.3	0.2	1.2	0.2	< 0.1	< 0.1	< 0.001	0.14	1.5	22	3.7	1.3	0.120	0.034	0.04
162776	0.2	< 0.1	0.5	< 0.1	< 0.1	< 0.1	< 0.001	0.13	2.4	42	0.4	0.1	0.481	0.005	0.49
162777	0.4	< 0.1	0.3	< 0.1	< 0.1	0.3	0.005	0.07	3.5	37	0.7	0.2	0.823	0.004	0.98
165001	0.5	0.3	2.1	0.3	< 0.1	< 0.1	< 0.001	< 0.05	1.9	5	4.5	1.1	0.0937	0.013	0.02
165002	0.1	0.4	2.6	0.4	0.5	0.5	< 0.001	< 0.05	3.9	4	5.6	1.4	0.142	0.013	0.05

QC

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
GXR-1 Meas	7.8	0.05	0.22	2.28	0.05	1.03	2.6	87	15.2	909	24.9	0.3	4150	40.2		1.0		33.4	2.80	7.5	0.62	1460	16.9
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
GXR-1 Meas	7.8	0.05	0.22	2.28	0.05	1.03	2.6	87	15.2	909	24.9	0.3	4150	40.2		1.0		33.4	2.80	7.5	0.62	1460	16.9
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	11.5	0.51	1.68	6.74	3.38	1.11	0.4	91	39.4	156	3.00	1.0	130	38.2		2.0		3.13	2.73	13.8	1.41	19.5	6.2
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
GXR-4 Meas	11.5	0.51	1.68	6.74	3.38	1.11	0.4	91	39.4	156	3.00	1.0	130	38.2		2.0		3.13	2.73	13.8	1.41	19.5	6.2
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
SDC-1 Meas	32.3	1.36	0.84	5.42	1.72	0.84		89	76.2	828	4.12	1.6	20	32.4	2.2	2.5	0.9		3.32	17.3	1.08		
SDC-1 Cert	34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70		
SDC-1 Meas	35.6	1.53	1.00	8.52	2.43	1.14		35	47.5	880	4.80	0.7	< 10	33.4	3.0	2.8	1.3		3.94	17.0	1.72		
SDC-1 Cert	34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70		
SDC-1 Meas	35.6	1.53	1.00	8.52	2.43	1.14		35	47.5	880	4.80	0.7	< 10	33.4	3.0	2.8	1.3		3.94	17.0	1.72		
SDC-1 Cert	34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70		
GXR-6 Meas	41.6	0.11	0.65	> 10.0	1.81	0.25	0.1	102	43.4	909	4.99	1.7	60	22.3		1.1		0.30	3.93	11.2	0.66	0.15	1.2
GXR-6 Cert	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas	28.6	1.14	0.45	5.94	2.17	0.67	5.2	55	74.8	5320	3.02			44.9		2.4		2.61		11.4		1.61	3.5
SAR-M (U.S.G.S.) Cert	27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94	0.39
SAR-M (U.S.G.S.) Meas	29.3	1.16	0.47	6.28	1.61	0.65	6.4	70	88.2	5350	3.14			41.9		2.5		2.72		10.2		1.70	2.3
SAR-M (U.S.G.S.) Cert	27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94	0.39
SAR-M (U.S.G.S.) Meas	29.3	1.16	0.47	6.28	1.61	0.65	6.4	70	88.2	5350	3.14			41.9		2.5		2.72		10.2		1.70	2.3
SAR-M (U.S.G.S.) Cert	27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94	0.39
DNC-1a Meas	4.8							147	242					261						55.1	0.54		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
DNC-1a Meas	4.7							163	160					271						55.1	0.59		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
DNC-1a Meas	4.7							163	160					271						55.1	0.59		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
SBC-1 Meas	162						0.3	220	67.7			2.8		85.5	2.8	3.0	1.2		7.26	21.8	1.75	0.63	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
SBC-1 Meas	166						0.5	231	71.2			3.1		83.7	2.7	3.3	1.3		8.14	21.2	1.91	0.67	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
SBC-1 Meas	166						0.5	231	71.2			3.1		83.7	2.7	3.3	1.3		8.14	21.2	1.91	0.67	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
OREAS 45d (4-Acid) Meas	21.0	0.09	0.24	8.24	0.43	0.20		113	525	488	14.5	1.6		234	1.0	0.7	0.5		3.95	29.2	0.60	0.37	

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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 45d (4-Acid) Cert	21.50	0.101	0.245	8.150	0.412	0.185		235.0	549.0	490.000	14.520	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31	
OREAS 45d (4-Acid) Meas	21.0	0.09	0.24	8.24	0.43	0.20		113	525	488	14.5	1.6		234	1.0	0.7	0.5		3.95	29.2	0.60	0.37	
OREAS 45d (4-Acid) Cert	21.50	0.101	0.245	8.150	0.412	0.185		235.0	549.0	490.000	14.520	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31	
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank																							
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1

QC

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
GXR-1 Meas	746	12.3	435	2.8	29.1	294	15	0.8	18.7	0.7	31	57.6	12.1	666	7.4	14.5		8.1	2.5	3.8	0.8	4.3	1090
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
GXR-1 Meas	746	12.3	435	2.8	29.1	294	15	0.8	18.7	0.7	31	57.6	12.1	666	7.4	14.5		8.1	2.5	3.8	0.8	4.3	1090
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	68.7	19.4	101	134	13.8	217	40	9.3	318	0.2	7	4.4	1.2	80	57.3	107		39.5	6.4	4.5	0.5	2.2	5900
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
GXR-4 Meas	68.7	19.4	101	134	13.8	217	40	9.3	318	0.2	7	4.4	1.2	80	57.3	107		39.5	6.4	4.5	0.5	2.2	5900
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
SDC-1 Meas	99.7	19.3	4.0	62.6		134	54	14.1			2	0.5		556	20.0	55.1		23.5	5.4	4.3	0.7	3.6	29.0
SDC-1 Cert	103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000
SDC-1 Meas	96.5	21.8	1.4	106		177	26	0.1			< 1	< 0.1		654	42.4	90.4		39.6	7.6	6.8	1.0	5.5	27.4
SDC-1 Cert	103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000
SDC-1 Meas	96.5	21.8	1.4	106		177	26	0.1			< 1	< 0.1		654	42.4	90.4		39.6	7.6	6.8	1.0	5.5	27.4
SDC-1 Cert	103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000
GXR-6 Meas	110	37.6	201	74.4	11.7	45.8	59	0.4	0.90	< 0.1	< 1	0.7	0.1	1680	12.1	31.7		11.2	2.3	2.4	0.4	1.8	56.2
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0
GXR-6 Meas																							
GXR-6 Cert																							
SAR-M (U.S.G.S.) Meas	1030	17.3	32.1	97.5	27.9	142		13.6	6.90	0.9	2	4.6	0.8	784	52.0	109							316
SAR-M (U.S.G.S.) Cert	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0							331.0000
SAR-M (U.S.G.S.) Meas	928	18.0	39.9	83.6	28.2	152		21.4	11.9	1.2	3	6.1	1.0	760	51.2	104							288

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
SAR-M (U.S.G.S.) Cert	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0							331.0000
SAR-M (U.S.G.S.) Meas	928	18.0	39.9	83.6	28.2	152		21.4	11.9	1.2	3	6.1	1.0	760	51.2	104							288
SAR-M (U.S.G.S.) Cert	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0							331.0000
DNC-1a Meas	63.0	13.1		3.8	14.4	120	34	1.6				0.6		98	3.3			4.6					91.1
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
DNC-1a Meas	65.2	15.4		4.3	16.5	139	41	1.6				1.0		110	3.9			4.6					90.7
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
DNC-1a Meas	65.2	15.4		4.3	16.5	139	41	1.6				1.0		110	3.9			4.6					90.7
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
SBC-1 Meas	191	27.6	23.4	127	28.8	163	106	11.4	1.97		3	0.9		771	48.2	99.1	11.7	44.1	9.2	7.0	1.1	5.3	30.0
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
SBC-1 Meas	180	29.0	27.7	145	31.2	185	122	13.4	2.07		3	0.9		599	51.0	106	12.2	46.2	8.6	7.7	1.2	6.0	31.4
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
SBC-1 Meas	180	29.0	27.7	145	31.2	185	122	13.4	2.07		3	0.9		599	51.0	106	12.2	46.2	8.6	7.7	1.2	6.0	31.4
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
OREAS 45d (4-Acid) Meas	41.8	21.6	7.0	40.0	11.2	31.6	62	0.8	0.43	< 0.1	< 1	< 0.1		177	16.7	35.9	3.8	13.8	2.6	2.3	0.4	2.0	345
OREAS 45d (4-Acid) Cert	45.7	21.20	13.80	42.1	9.53	31.30	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	371.0
OREAS 45d (4-Acid) Meas	41.8	21.6	7.0	40.0	11.2	31.6	62	0.8	0.43	< 0.1	< 1	< 0.1		177	16.7	35.9	3.8	13.8	2.6	2.3	0.4	2.0	345
OREAS 45d (4-Acid) Cert	45.7	21.20	13.80	42.1	9.53	31.30	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	371.0
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank																							
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2

QC

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		0.4	2.4	0.3	< 0.1	124		0.56	751	2	2.9	34.7	0.0283	0.058	0.24
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257
GXR-1 Meas		0.4	2.4	0.3	< 0.1	124		0.56	751		2.9	34.7			
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730		2.44	34.9			
DH-1a Meas											> 500	2220			
DH-1a Cert											910	2629			
DH-1a Meas											> 500	2440			
DH-1a Cert											910	2629			
DH-1a Meas											> 500	2440			
DH-1a Cert											910	2629			

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Meas		0.2	1.0	0.2	0.5	28.1		2.74	49.5	8	16.4	5.8	0.290	0.133	1.80
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
GXR-4 Meas		0.2	1.0	0.2	0.5	28.1		2.74	49.5	9	16.4	5.8	0.290	0.137	1.80
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
SDC-1 Meas		0.4	2.7		0.7	0.3		0.41	20.0	10	6.1	2.1	0.530	0.065	
SDC-1 Cert		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas		0.5	3.5		< 0.1	< 0.1		0.58	23.9	18	10.4	2.9	0.113	0.055	
SDC-1 Cert		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas		0.5	3.5		< 0.1	< 0.1		0.58	23.9	15	10.4	2.9	0.593	0.060	
SDC-1 Cert		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas			1.7	0.3	< 0.1	0.2		2.02	90.0	28	4.5	1.4		0.031	0.01
GXR-6 Cert			2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160
GXR-6 Meas										27				0.028	0.01
GXR-6 Cert										27.6				0.0350	0.0160
SAR-M (U.S.G.S.) Meas						1.9		2.04	909	8	14.1	3.9	0.265	0.067	
SAR-M (U.S.G.S.) Cert						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07	
SAR-M (U.S.G.S.) Meas						5.4		2.12	940	9	14.2	4.1	0.390	0.065	
SAR-M (U.S.G.S.) Cert						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07	
SAR-M (U.S.G.S.) Meas						5.4		2.12	940	10	14.2	4.1	0.253	0.062	
SAR-M (U.S.G.S.) Cert						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07	
DNC-1a Meas			1.8						5.1	27			0.281		
DNC-1a Cert			2.0						6.3	31			0.29		
DNC-1a Meas			1.8						6.2	35			0.290		
DNC-1a Cert			2.0						6.3	31			0.29		
DNC-1a Meas			1.8						6.2	32			0.287		
DNC-1a Cert			2.0						6.3	31			0.29		
SBC-1 Meas		0.5	3.2	0.5	0.6	0.8		0.62	31.1	18	13.2	5.4	0.488		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas		0.5	3.1	0.5	0.6	1.3		0.77	34.8	23	14.0	6.3	0.520		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas		0.5	3.1	0.5	0.6	1.3		0.77	34.8	23	14.0	6.3	0.511		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas			1.4	0.2	< 0.1	0.5		0.34	21.3	60	18.0	2.9	0.221	0.035	0.04
OREAS 45d (4-Acid) Cert			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas			1.4	0.2	< 0.1	0.5		0.34	21.3		18.0	2.9			
OREAS 45d (4-Acid) Cert			1.33	0.18	1.02	1.62		0.27	21.8		14.5	2.63			
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank										< 1			< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			

Quality Analysis ... *Innovative Technologies*

Date Submitted: 25-Jun-15
Invoice No.: A15-04647 (i)
Invoice Date: 20-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

18 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-04647 (i)**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 25-Jun-15
Invoice No.: A15-04647 (i)
Invoice Date: 20-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

18 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-04647 (i)**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
162778	< 0.005
162779	< 0.005
162780	0.007
162781	0.050
162782	< 0.005
162783	< 0.005
162784	1.436
162785	< 0.005
162786	< 0.005
162787	< 0.005
162788	< 0.005
162789	0.034
162790	0.007
162791	0.124
162792	< 0.005
162793	< 0.005
162794	< 0.005
165003	< 0.005

QC

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.417
OxD108 Cert	0.414
SG66 Meas	1.083
SG66 Cert	1.086
162787 Orig	< 0.005
162787 Dup	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 25-Jun-15
Invoice No.: A15-04647-TD
Invoice Date: 29-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

18 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-04647-TD**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Results

Analyte Symbol	Na	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	TD-ICP	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
162778		2.8	0.27	0.38	0.83	0.05	0.11	< 0.1	7	19.1	152	1.22	0.1	< 10	8.6	0.1	< 0.1	< 0.1	0.12	< 0.05	4.3	0.08	0.03
162779		19.0	0.10	3.41	4.79	0.56	0.97	< 0.1	35	24.0	341	2.85	1.8	< 10	9.9	1.4	0.4	0.5	0.15	0.25	10.5	0.95	0.18
162780	3.52	16.9	> 3.00	0.49	6.79	1.22	0.85	0.1	48	24.5	328	2.28	1.9	< 10	8.7	0.6	0.7	0.2	0.08	1.41	5.5	0.43	0.19
162781	4.76	27.6	> 3.00	1.30	7.68	0.32	2.73	< 0.1	72	25.9	937	4.01	2.0	20	18.8	1.1	0.9	0.4	0.16	0.33	19.1	0.70	0.26
162782	3.52	15.0	> 3.00	0.56	6.98	0.75	0.76	< 0.1	25	9.6	130	2.33	4.3	30	5.8	1.5	0.9	0.5	0.06	0.39	10.1	0.75	0.47
162783		16.8	3.00	0.83	7.79	1.21	1.39	< 0.1	41	14.2	190	2.42	3.0	< 10	14.3	1.1	0.7	0.4	< 0.05	0.73	7.8	0.84	0.09
162784		18.6	2.01	1.61	5.22	2.51	3.02	0.4	165	59.9	558	7.19	1.6	80	21.6	1.1	1.0	0.4	1.92	2.02	20.8	0.44	4.79
162785	4.95	12.9	> 3.00	0.92	7.49	0.54	2.04	< 0.1	64	26.3	369	2.99	2.5	20	10.6	1.1	1.0	0.5	0.31	0.45	9.3	0.97	0.09
162786	3.39	27.8	> 3.00	0.85	8.09	1.33	0.70	< 0.1	34	10.3	226	2.41	4.2	10	5.2	1.6	1.3	0.6	0.13	0.87	6.0	0.62	0.16
162787		19.2	0.88	0.63	5.12	1.05	1.04	0.1	45	37.1	536	3.07	0.4	30	14.2	0.7	0.5	0.2	< 0.05	0.90	9.3	0.52	0.16
162788	3.09	16.0	> 3.00	0.49	7.16	1.30	1.24	< 0.1	46	39.6	427	2.50	1.6	20	10.0	0.6	0.9	0.2	0.17	1.02	7.5	0.49	0.16
162789	3.50	13.7	> 3.00	0.42	5.68	0.58	0.54	< 0.1	30	28.0	304	2.15	2.3	< 10	10.1	0.7	0.4	0.2	0.13	0.62	9.2	0.29	0.66
162790		23.6	2.47	0.77	8.57	1.53	1.28	< 0.1	88	31.0	608	4.07	2.3	< 10	16.4	1.2	1.0	0.4	0.08	1.55	14.0	1.00	0.53
162791		16.8	2.61	0.78	7.41	1.93	1.72	< 0.1	46	58.5	406	2.97	3.0	10	15.6	1.5	1.1	0.6	< 0.05	1.00	8.9	0.79	0.24
162792	3.51	2.0	> 3.00	0.06	5.85	1.28	0.52	< 0.1	2	13.2	130	0.85	3.1	20	0.9	1.9	1.3	0.7	< 0.05	0.93	0.6	0.24	0.17
162793		24.9	0.95	1.35	4.99	1.14	0.58	< 0.1	32	32.4	237	2.72	1.6	< 10	10.7	0.8	0.6	0.3	< 0.05	0.92	11.5	0.47	5.49
162794		15.5	0.43	0.82	5.65	1.72	0.53	< 0.1	11	20.0	579	3.79	4.1	20	5.4	3.5	0.9	1.2	0.08	1.11	6.4	0.97	0.18
165003		12.6	0.61	1.42	4.32	0.99	1.02	< 0.1	30	24.0	537	3.25	0.9	20	17.3	0.5	0.5	0.2	< 0.05	0.32	13.9	0.19	0.04

Results

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	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	0.1	0.2	0.1	0.1	0.2	0.1	0.2	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
162778	0.2	23.2	2.5	0.9	1.3	0.9	9.0	3	0.5	0.20	< 0.1	< 1	< 0.1	< 0.1	22	3.3	6.1	0.6	2.0	0.4	0.2	< 0.1	0.1
162779	1.0	35.8	12.5	5.2	15.1	13.3	16.6	63	3.9	1.24	< 0.1	2	< 0.1	< 0.1	91	31.4	52.9	6.4	23.7	3.6	3.6	0.5	2.4
162780	0.5	46.2	18.4	51.6	29.7	5.3	161	61	3.4	0.84	< 0.1	1	0.2	< 0.1	350	11.5	22.1	2.4	8.4	1.4	1.1	0.1	0.8
162781	0.4	66.1	17.7	50.8	7.2	11.2	115	73	6.0	4.74	< 0.1	1	0.6	< 0.1	104	15.5	34.2	3.7	13.8	2.5	2.4	0.3	1.9
162782	1.4	15.7	16.2	3.0	22.9	14.8	126	159	8.5	1.80	< 0.1	1	0.4	< 0.1	254	22.9	44.1	5.0	19.4	3.3	3.1	0.5	2.5
162783	1.6	18.8	18.0	1.2	36.8	11.1	43.3	109	1.8	0.49	< 0.1	2	< 0.1	< 0.1	295	32.5	63.6	7.0	24.6	4.1	3.5	0.5	1.9
162784	11.2	98.0	16.6	6.6	45.8	9.4	417	54	5.9	621	0.7	10	1.1	0.6	446	5.8	12.9	1.5	6.3	1.3	1.7	0.3	1.7
162785	1.0	31.2	17.1	2.0	14.8	11.5	264	105	1.7	3.08	< 0.1	1	< 0.1	0.1	205	19.9	40.2	4.5	17.2	3.0	3.0	0.4	2.0
162786	1.0	23.4	22.9	2.3	37.8	15.3	118	161	4.4	1.36	< 0.1	3	< 0.1	0.1	343	26.3	51.5	5.7	20.4	3.7	3.6	0.5	2.5
162787	0.3	62.4	13.1	5.2	32.6	6.7	107	15	0.5	1.15	< 0.1	1	0.1	0.1	351	13.3	26.2	2.8	10.2	1.7	1.4	0.2	1.1
162788	0.3	41.9	18.4	5.4	31.4	4.9	176	54	2.9	0.58	< 0.1	< 1	0.2	0.2	377	8.3	17.5	2.1	7.5	1.2	1.2	0.2	0.8
162789	0.7	31.9	12.6	18.5	14.4	5.8	72.4	77	4.2	0.90	< 0.1	< 1	0.4	0.1	153	5.4	10.9	1.2	4.4	0.8	1.1	0.2	1.0
162790	0.2	67.0	19.9	4.9	45.9	10.5	211	90	3.5	1.08	< 0.1	1	0.2	0.2	491	24.3	52.4	5.2	18.7	3.3	2.9	0.4	1.7
162791	0.3	37.1	18.1	178	45.5	14.0	187	97	6.9	1.21	< 0.1	3	0.4	< 0.1	459	33.8	67.0	7.0	25.2	4.1	3.5	0.5	2.3
162792	0.9	9.6	15.9	7.7	32.3	20.4	61.4	84	4.2	0.43	< 0.1	2	0.1	< 0.1	745	17.2	34.5	4.4	16.0	3.4	3.7	0.6	3.0
162793	0.6	21.0	11.9	12.0	28.8	8.7	85.3	55	3.3	5.59	< 0.1	4	0.2	2.4	697	19.5	38.0	4.1	14.3	2.2	2.0	0.3	1.4
162794	1.5	47.1	14.8	11.4	53.8	39.0	36.5	133	11.5	1.71	< 0.1	4	0.2	0.3	379	21.9	42.1	5.2	20.6	4.3	5.0	0.9	5.0
165003	0.8	62.7	11.2	1.3	33.7	4.6	23.9	28	3.2	0.38	< 0.1	< 1	< 0.1	< 0.1	333	8.2	16.4	1.7	6.0	0.9	0.8	0.1	0.7

Results

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Cu
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	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	ICP-OES
162778	11.3	< 0.1	< 0.1	0.1	< 0.1	< 0.1	0.2	< 0.001	0.10	1.0	1	0.3	0.2	0.0210	0.006	< 0.01	
162779	14.0	0.4	0.2	1.4	0.2	0.3	1.3	0.001	0.15	1.5	6	5.6	1.3	0.126	0.030	< 0.01	
162780	10.9	0.3	0.1	0.6	< 0.1	0.3	1.3	< 0.001	0.16	4.2	8	3.2	0.6	0.135	0.044	0.09	
162781	61.2	0.2	0.2	1.0	0.2	0.4	1.7	0.002	0.06	159	11	2.9	0.7	0.330	0.075	0.61	
162782	192	0.2	0.2	1.6	0.2	0.6	1.0	0.005	0.08	3.0	6	5.4	1.5	0.207	0.041	0.44	
162783	65.2	0.5	0.2	1.0	0.2	< 0.1	0.1	< 0.001	0.11	2.8	8	8.0	1.7	0.244	0.043	0.09	
162784	> 10000	0.2	0.2	1.1	0.2	0.3	2.6	0.017	0.20	21.8	13	2.2	1.1	0.333	0.090	1.25	1.10
162785	7.8	0.3	0.2	1.3	0.2	< 0.1	0.2	< 0.001	0.05	3.1	9	3.0	1.0	0.269	0.078	0.02	
162786	6.8	0.5	0.3	1.5	0.2	0.2	0.3	< 0.001	0.08	2.2	8	7.1	1.7	0.249	0.041	< 0.01	
162787	23.5	0.3	0.1	0.6	< 0.1	< 0.1	0.1	0.004	0.07	3.1	7	1.8	0.7	0.215	0.045	0.02	
162788	13.2	0.2	< 0.1	0.4	< 0.1	0.2	0.3	< 0.001	0.44	3.7	6	2.0	0.7	0.191	0.037	0.02	
162789	35.3	0.1	< 0.1	0.7	< 0.1	0.3	0.2	< 0.001	0.19	3.2	5	3.3	1.0	0.131	0.024	0.27	
162790	20.8	0.2	0.2	1.1	0.2	0.2	0.4	0.001	0.22	4.4	11	5.2	0.9	0.191	0.056	0.14	
162791	6.8	0.3	0.2	1.4	0.2	0.5	2.9	0.010	0.22	5.3	8	7.4	1.5	0.224	0.048	0.77	
162792	7.2	0.4	0.4	2.4	0.4	0.1	0.1	0.002	0.12	3.5	3	7.5	1.8	0.0443	0.003	< 0.01	
162793	3.8	0.2	0.1	0.9	0.2	< 0.1	1.2	0.002	0.07	3.1	5	4.3	1.0	0.169	0.030	0.06	
162794	15.0	0.3	0.6	3.5	0.6	0.8	0.3	< 0.001	0.17	3.2	5	6.1	1.9	0.0744	0.008	0.10	
165003	5.8	< 0.1	< 0.1	0.5	< 0.1	0.1	0.2	0.002	0.08	1.8	3	3.1	0.5	0.117	0.019	< 0.01	

QC

Analyte Symbol	Na	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	TD-ICP	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
GXR-1 Meas		7.7	0.05	0.20	2.11	0.05	1.07	2.7	84	16.6	883	24.1	0.4	3920	39.0		0.9		30.8	2.74	7.9	0.59	1370
GXR-1 Cert		8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas		11.2	0.51	1.60	6.50	3.67	1.13	0.3	87	49.6	153	2.87	0.9	130	39.3		1.8		2.69	2.57	13.9	1.36	18.6
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
SDC-1 Meas		35.4	1.53	0.97	8.45	2.67	1.14		31	44.4	853	4.58	0.5	40	33.8	3.5	2.8	1.2		3.86	17.8	1.57	
SDC-1 Cert		34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
GXR-6 Meas		39.6	0.11	0.62	> 10.0	1.66	0.25	< 0.1	100	38.7	906	4.82	1.8	60	21.9		1.1		0.16	3.73	11.9	0.59	0.16
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
GBW 07239 Meas																							
GBW 07239 Cert																							
SY-4 Meas	5.41																						
SY-4 Cert	5.27																						
STM-2 Meas	6.46																						
STM-2 Cert	6.61																						
MP-1b Meas																							
MP-1b Cert																							
SAR-M (U.S.G.S.) Meas		28.3	1.16	0.44	5.76	2.94	0.56	5.6	63	86.2	5220	2.94			41.3		2.3		2.33		10.4		1.66
SAR-M (U.S.G.S.) Cert		27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94
DNC-1a Meas		4.7							145	162					249						53.6	0.53	
DNC-1a Cert		5.20							148.00	270					247						57.0	0.59	
CCU-1d Meas																							
CCU-1d Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		164						0.5	219	74.7			2.9		83.6	3.1	3.1	1.2		8.27	22.5	2.01	0.66
SBC-1 Cert		163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		20.5	0.10	0.23	8.19	0.41	0.21		126	512	490	14.2	1.9		235	1.2	0.8	0.4		3.79	30.1	0.59	0.40
OREAS 45d (4-Acid) Cert		21.50	0.101	0.245	8.150	0.412	0.185		235.0	549.0	490.000	14.520	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
162792 Orig	3.52																						
162792 Dup	3.50																						
162793 Orig		24.6	0.95	1.35	4.99	1.14	0.60	< 0.1	32	30.4	240	2.70	1.5	30	10.6	0.9	0.6	0.3	< 0.05	1.04	11.5	0.46	5.40
162793 Dup		25.1	0.95	1.35	4.99	1.14	0.57	< 0.1	33	34.4	235	2.73	1.7	< 10	10.9	0.8	0.6	0.3	< 0.05	0.81	11.6	0.48	5.58
165003 Orig		12.5	0.61	1.42	4.33	1.00	1.03	< 0.1	31	22.5	539	3.25	1.1	30	17.3	0.4	0.5	0.2	< 0.05	0.35	14.0	0.23	0.04
165003 Dup		12.6	0.60	1.42	4.31	0.99	1.00	< 0.1	30	25.6	535	3.25	0.7	10	17.3	0.5	0.4	0.2	< 0.05	0.29	13.9	0.16	0.04
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank	< 0.01																						
Method Blank	< 0.01																						

QC

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	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	0.1	0.2	0.1	0.1	0.2	0.1	0.2	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
GXR-1 Meas	16.8	763	10.8	424	2.5	27.7	277	16	0.7	18.3	0.7	27	52.8	11.5	677	7.3	13.6		7.6	2.4	4.1	0.7	4.0
GXR-1 Cert	16.6	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	6.8	71.2	19.0	99.0	147	13.1	208	31	8.9	311	0.2	7	4.6	1.0	94	58.0	103		39.3	6.1	4.5	0.5	2.4
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas		102	24.4	1.4	128		177	19	< 0.1			< 1	< 0.1		668	42.6	85.2		40.4	6.8	6.8	1.0	5.1
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	1.7	115	32.3	212	77.5	11.2	44.7	60	0.2	0.44	< 0.1	< 1	0.2	< 0.1	1700	12.4	30.2		11.4	2.3	2.2	0.3	1.8
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
GBW 07239 Meas																							
GBW 07239 Cert																							
SY-4 Meas																							
SY-4 Cert																							
STM-2 Meas																							
STM-2 Cert																							
MP-1b Meas																							
MP-1b Cert																							
SAR-M (U.S.G.S.) Meas	1.9	938	18.1	37.2	144	26.5	143		14.6	10.6	0.9	2	5.4	0.8	783	53.3	105						
SAR-M (U.S.G.S.) Cert	0.39	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0						
DNC-1a Meas		63.3	12.7		3.5	14.6	127	36	1.4				0.8		102	3.5			4.3				
DNC-1a Cert		70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20				
CCU-1d Meas																							
CCU-1d Cert																							
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas		190	26.7	27.5	148	30.7	171	113	12.7	2.26		4	1.2		544	51.5	103	11.8	46.6	8.4	7.8	1.1	5.5
SBC-1 Cert		186.0	27.0	25.7	147	36.5	178.0	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		42.6	21.7	7.6	42.3	10.6	30.8	79	0.5	0.44	< 0.1	< 1	0.1		181	17.2	34.5	3.7	13.2	2.7	2.3	0.4	2.1
OREAS 45d (4-Acid) Cert		45.7	21.20	13.80	42.1	9.53	31.30	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
162792 Orig																							
162792 Dup																							
162793 Orig	0.6	22.6	11.7	12.2	28.8	9.0	84.7	54	2.1	5.11	< 0.1	4	0.3	2.3	701	19.6	38.0	4.1	14.6	2.3	2.0	0.3	1.5
162793 Dup	0.6	19.4	12.0	11.9	28.9	8.5	86.0	57	4.6	6.06	< 0.1	4	0.2	2.5	694	19.3	38.0	4.1	13.9	2.2	2.0	0.3	1.4
165003 Orig	1.1	63.9	11.5	1.5	33.9	4.7	24.6	31	3.2	0.48	< 0.1	1	< 0.1	< 0.1	334	9.3	18.5	1.9	6.8	1.1	0.9	0.1	0.7
165003 Dup	0.6	61.5	10.9	1.1	33.5	4.5	23.1	25	3.2	0.29	< 0.1	< 1	< 0.1	< 0.1	333	7.1	14.4	1.5	5.3	0.8	0.8	0.1	0.7
Method Blank	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Cu
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	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	ICP-OES
GXR-1 Meas	1150		0.4	2.3	0.3	< 0.1	111		0.41	756	2	3.4	34.1	0.0259	0.058	0.24	
GXR-1 Cert	1110		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257	
DH-1a Meas												> 500	2310				
DH-1a Cert												910	2629				
GXR-4 Meas	6320		0.2	1.0	0.2	0.4	26.4		2.55	49.7	9	17.0	5.8	0.290	0.136	1.79	
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77	
SDC-1 Meas	35.0		0.6	3.2		< 0.1	< 0.1		0.73	23.7	17	11.7	3.0	0.0947	0.054		
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690		
GXR-6 Meas	60.9			1.4	0.2	< 0.1	< 0.1		1.31	88.8	28	4.9	1.3		0.032	0.01	
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160	
GBW 07239 Meas																	0.005
GBW 07239 Cert																	0.00486
SY-4 Meas																	< 0.001
SY-4 Cert																	0
STM-2 Meas																	
STM-2 Cert																	
MP-1b Meas																	3.10
MP-1b Cert																	3.069
SAR-M (U.S.G.S.) Meas	306						3.1		1.89	932	9	17.2	4.1	0.361	0.066		
SAR-M (U.S.G.S.) Cert	331.0000						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07		
DNC-1a Meas	91.3			1.8						5.9	30			0.263			
DNC-1a Cert	100.00			2.0						6.3	31			0.29			
CCU-1d Meas																	23.1
CCU-1d Cert																	23.93
CZN-4 Meas																	0.405
CZN-4 Cert																	0.403
SBC-1 Meas	29.9		0.5	3.5	0.5	0.5	1.1		0.69	34.6	21	15.5	5.7	0.495			
SBC-1 Cert	31.0000		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51			
OREAS 45d (4-Acid) Meas	373			1.4	0.2	< 0.1	0.4		0.19	21.2	59	19.2	2.9	0.259	0.037	0.05	
OREAS 45d (4-Acid) Cert	371.0			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049	
162792 Orig																	
162792 Dup																	
162793 Orig	3.4	0.3	0.1	1.0	0.2	< 0.1	0.7	0.001	0.08	3.1	5	4.4	1.1	0.168	0.030	0.05	
162793 Dup	4.3	0.2	0.1	0.9	0.1	< 0.1	1.7	0.002	0.06	3.0	5	4.2	1.0	0.170	0.030	0.06	
165003 Orig	5.4	0.1	< 0.1	0.6	< 0.1	0.1	0.3	0.001	0.09	1.8	3	3.3	0.5	0.118	0.018	< 0.01	
165003 Dup	6.3	< 0.1	< 0.1	0.5	< 0.1	0.1	0.2	0.004	0.06	1.8	3	2.8	0.5	0.116	0.019	< 0.01	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01	
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01	
Method Blank																	< 0.001
Method Blank																	
Method Blank																	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 10-Jul-15
Invoice No.: A15-05097-Au
Invoice Date: 20-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

8 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-05097-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 10-Jul-15
Invoice No.: A15-05097-Au
Invoice Date: 20-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

8 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-05097-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
162795	0.007
162796	0.005
162797	0.012
162798	0.018
162799	< 0.005
162800	0.005
162801	< 0.005
162802	< 0.005

QC

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.428
OxD108 Cert	0.414
SG66 Meas	1.076
SG66 Cert	1.086
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 10-Jul-15
Invoice No.: A15-05097-TD
Invoice Date: 29-Jul-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

8 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-05097-TD**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
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Results

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
162795	27.0	0.86	0.75	7.35	1.43	0.16	< 0.1	32	22.9	510	3.91	3.2	10	17.1	1.1	1.0	0.5	0.32	0.59	11.5	0.64	0.61	1.1
162796	21.8	2.85	1.62	9.39	1.92	5.15	< 0.1	75	24.7	935	5.46	2.2	< 10	13.7	3.2	3.0	1.5	0.09	1.25	19.7	1.72	0.36	2.7
162797	12.5	0.78	3.12	5.79	1.02	6.26	< 0.1	216	96.9	1360	6.93	0.9	20	65.4	0.4	0.3	0.2	< 0.05	0.69	35.9	0.50	0.21	0.8
162798	11.6	0.94	1.64	5.35	0.86	0.95	< 0.1	45	25.8	572	6.78	2.2	< 10	97.6	0.5	0.6	0.2	0.24	0.10	56.2	0.67	1.55	4.5
162799	21.4	1.35	0.53	9.88	2.67	1.75	0.1	52	20.9	333	2.54	5.2	20	11.9	0.7	2.9	0.3	< 0.05	4.22	8.7	1.32	0.11	1.6
162800	14.7	2.49	2.76	6.50	0.08	4.15	< 0.1	113	470	1000	5.09	0.3	20	306	1.6	0.4	0.6	0.13	0.15	63.1	0.61	0.10	0.6
162801	11.1	> 3.00	1.68	7.35	0.61	1.56	< 0.1	34	16.7	468	2.82	3.9	20	8.4	1.6	1.1	0.7	< 0.05	0.19	8.7	0.93	0.16	1.7
162802	11.9	0.09	1.74	4.39	1.27	0.35	< 0.1	49	37.4	364	2.90	1.3	20	9.8	0.4	0.6	0.1	< 0.05	0.64	11.1	0.11	0.09	0.9

Results

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
162795	52.2	20.8	2.0	35.9	11.7	73.2	96	0.6	0.31	< 0.1	2	< 0.1	< 0.1	245	18.7	36.7	4.6	17.1	3.7	3.3	0.4	2.0	11.0
162796	107	26.6	0.9	99.6	37.2	584	86	0.7	< 0.05	< 0.1	< 1	< 0.1	0.1	652	32.2	68.4	8.7	37.3	9.2	8.0	1.3	5.8	21.8
162797	75.1	13.2	42.5	32.5	4.1	54.1	34	0.3	< 0.05	< 0.1	< 1	2.1	< 0.1	150	2.6	6.1	0.9	4.2	1.2	1.2	0.2	0.6	105
162798	45.9	19.9	8.6	19.8	5.1	41.0	86	3.1	1.53	0.1	4	0.2	0.7	190	12.0	24.9	2.6	9.6	2.2	1.5	0.2	0.8	797
162799	91.6	29.6	1.3	112	8.3	205	248	1.1	< 0.05	< 0.1	1	0.2	0.1	1060	69.9	126	13.0	42.7	6.5	3.5	0.4	1.5	15.1
162800	56.5	12.9	5.3	3.3	17.2	55.4	9	0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	49	3.5	7.6	1.0	5.5	1.9	2.5	0.5	2.5	115
162801	50.7	20.0	1.7	16.1	19.2	135	152	1.1	< 0.05	< 0.1	1	0.1	< 0.1	180	26.3	50.9	5.7	20.1	4.1	4.0	0.6	2.8	6.0
162802	46.0	15.4	2.0	30.6	4.4	20.7	47	3.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	512	5.6	10.4	1.3	4.4	0.7	0.7	0.1	0.6	1.2

Results

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Na
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP
162795	0.5	0.2	1.7	0.3	< 0.1	< 0.1	0.001	0.11	3.2	11	4.9	1.7	0.119	0.031	0.04	
162796	0.8	0.6	3.3	0.5	< 0.1	< 0.1	0.006	0.30	12.9	20	3.4	1.3	0.240	0.146	0.12	
162797	0.2	< 0.1	0.7	0.1	< 0.1	< 0.1	0.008	0.09	0.8	38	0.3	< 0.1	0.371	0.023	0.26	
162798	0.2	0.1	0.7	0.1	0.2	< 0.1	0.006	0.07	2.7	9	1.8	0.5	0.171	0.028	0.51	
162799	0.8	0.1	0.8	0.1	< 0.1	< 0.1	0.001	0.40	10.4	6	12.4	2.9	0.336	0.116	< 0.01	
162800	0.3	0.2	1.8	0.2	< 0.1	< 0.1	0.004	0.33	1.0	39	0.7	0.1	0.127	0.028	0.13	
162801	0.5	0.3	2.2	0.4	< 0.1	< 0.1	0.005	0.20	2.7	8	4.9	1.6	0.222	0.048	< 0.01	3.26
162802	0.2	< 0.1	0.6	< 0.1	0.1	< 0.1	0.004	0.16	0.9	5	3.1	0.5	0.121	0.026	< 0.01	

QC

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
GXR-1 Meas	7.6	0.04	0.20	2.10	0.05	1.07	2.7	87	14.6	877	23.7	0.5	3550	39.2		1.0		28.8	2.41	8.2	0.56	1360	16.8
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	11.5	0.49	1.59	6.08	3.39	1.06	0.4	87	49.3	167	2.82	1.1	90	37.4		1.9		2.37	2.30	13.6	1.31	17.3	6.9
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
SDC-1 Meas	35.6	1.43	0.94	7.67	2.69	1.09		41	44.4	832	4.45	0.9	40	32.4	2.6	2.7	1.2		3.66	17.5	1.38		
SDC-1 Cert	34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70		
GXR-6 Meas	38.9	0.10	0.60	> 10.0	1.73	0.25	< 0.1	117	62.1	915	4.54	1.7	70	20.9		1.0		0.10	3.46	11.4	0.54	0.12	1.7
GXR-6 Cert	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
SY-4 Meas																							
SY-4 Cert																							
STM-2 Meas																							
STM-2 Cert																							
SAR-M (U.S.G.S.) Meas	29.7	1.14	0.45	5.77	2.87	0.63	4.5	67	85.1	5290	2.99			42.6		2.6		2.28		10.6		1.72	2.5
SAR-M (U.S.G.S.) Cert	27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94	0.39
DNC-1a Meas	4.5							153	248					252						53.0	0.51		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
SBC-1 Meas	151						0.3	216	107			2.9		79.6	1.9	2.7	0.9		5.30	20.8	1.09	0.55	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
162801 Orig																							
162801 Dup																							
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank																							

QC

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
GXR-1 Meas	816	10.4	424	2.2	25.7	286	17	0.7	17.6	0.8	27	32.0	9.7	607	7.5	13.4		7.5	2.9	3.7	0.7	3.5	1190
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	70.3	18.2	95.5	123	12.0	210	36	8.3	289	0.2	6	4.4	0.9	176	58.0	100		36.3	5.7	3.9	0.5	2.1	6300
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
SDC-1 Meas	104	23.7	1.7	108		170	34	0.6			< 1	< 0.1		576	40.9	81.5		34.5	7.5	6.4	1.0	4.4	31.8
SDC-1 Cert	103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000
GXR-6 Meas	113	33.1	220	66.9	9.9	43.6	67	1.5	0.45	< 0.1	< 1	1.1	< 0.1	1510	11.9	28.5		9.7	2.2	1.9	0.3	1.7	58.5
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0
SY-4 Meas																							
SY-4 Cert																							
STM-2 Meas																							
STM-2 Cert																							
SAR-M (U.S.G.S.)	959	19.0	36.6	125	26.5	148		11.9	10.00	1.0	2	4.1	0.8	718	56.3	106							322

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
Meas																							
SAR-M (U.S.G.S.) Cert	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0							331.0000
DNC-1a Meas	64.2	13.2		3.0	14.4	130	37	1.5				0.5		87	3.7			3.7					95.1
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
SBC-1 Meas	181	25.6	25.8	56.2	17.6	153	107	14.2	2.16		4	1.2		606	16.3	41.6	5.2	20.8	5.1	4.2	0.8	3.5	29.7
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
162801 Orig																							
162801 Dup																							
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank																							

QC

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S	Na
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		0.3	2.1	0.2	< 0.1	107		0.47	792	2	2.8	32.0	0.0275	0.060	0.25	
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257	
DH-1a Meas											> 500	2360				
DH-1a Cert											910	2629				
GXR-4 Meas		0.2	0.9	0.1	0.5	26.3		2.88	49.8	8	16.2	5.5	0.290	0.132	1.78	
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77	
SDC-1 Meas		0.5	3.1		< 0.1	< 0.1		0.51	23.8	16	9.6	2.7	0.142	0.056		
SDC-1 Cert		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690		
GXR-6 Meas			1.4	0.2	0.1	< 0.1		1.44	87.6	25	4.0	1.3		0.032	0.01	
GXR-6 Cert			2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160	
SY-4 Meas																5.22
SY-4 Cert																5.27
STM-2 Meas																6.62
STM-2 Cert																6.61
SAR-M (U.S.G.S.) Meas						3.1		2.14	1010	9	15.6	4.2	0.380	0.065		
SAR-M (U.S.G.S.) Cert						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07		
DNC-1a Meas			1.7						5.6	31			0.282			
DNC-1a Cert			2.0						6.3	31			0.29			
SBC-1 Meas		0.3	2.3	0.4	0.8	1.2		0.64	33.1	20	5.7	4.1	0.500			
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51			
162801 Orig																3.29
162801 Dup																3.23
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01	
Method Blank																< 0.01

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Jul-15
Invoice No.: A15-05404-Assay
Invoice Date: 12-Aug-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code 1C-OES 50g Sudbury Fire Assay ICPOES
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-05404-Assay**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Date Submitted: 17-Jul-15
Invoice No.: A15-05404-Assay
Invoice Date: 12-Aug-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-05404-Assay**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Na
Unit Symbol	%
Lower Limit	0.01
Method Code	TD-ICP
162809	7.24
162816	4.66
162818	4.44
162829	3.20
162830	4.61

QC

Analyte Symbol	Na
Unit Symbol	%
Lower Limit	0.01
Method Code	TD-ICP
SY-4 Meas	5.09
SY-4 Cert	5.27
162830 Orig	4.57
162830 Dup	4.66
Method Blank	< 0.01

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Jul-15
Invoice No.: A15-05404-Au
Invoice Date: 07-Aug-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code 1C-OES 50g Sudbury Fire Assay ICPOES

REPORT **A15-05404-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Results

Analyte Symbol	Au	Pd	Pt
Unit Symbol	ppm	ppb	ppb
Lower Limit	0.005	5	5
Method Code	FA-AA	FA-ICP	FA-ICP
162803	0.008		
162804	< 0.005		
162805	0.006		
162806	0.006		
162807	0.007		
162808	0.023		
162809	< 0.005		
162810	< 0.005		
162811	< 0.005		
162812	1.046		
162813	0.006		
162814	< 0.005		
162815	< 0.005		
162816	< 0.005		
162817	< 0.005		
162818	< 0.005		
162819	< 0.005		
162820	0.026		
162821	0.005	< 5	< 5
162822	< 0.005		
162823	< 0.005		
162824	< 0.005		
162825	< 0.005		
162826	< 0.005		
162827	< 0.005		
162828	< 0.005		
162829	< 0.005		
162830	0.155		
162831	< 0.005		

QC

Analyte Symbol	Au	Pd	Pt
Unit Symbol	ppm	ppb	ppb
Lower Limit	0.005	5	5
Method Code	FA-AA	FA-ICP	FA-ICP
PK2 Meas		5470	4450
PK2 Cert		5918.000	4749.000
OxD108 Meas	0.430		
OxD108 Cert	0.414		
SG66 Meas	1.094		
SG66 Cert	1.086		
CDN-PGMS-25 Meas		1750	380
CDN-PGMS-25 Cert		1830	400
162811 Orig	< 0.005		
162811 Dup	< 0.005		
162822 Orig	< 0.005		
162822 Dup	< 0.005		
Method Blank	< 0.005		
Method Blank	< 0.005		
Method Blank		< 5	< 5
Method Blank		< 5	< 5

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Jul-15
Invoice No.: A15-05404-TD
Invoice Date: 10-Aug-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA
Code 1C-OES 50g Sudbury Fire Assay ICPOES
Code Wgt Rpt (kg)-Internal Sudbury Received Weights

REPORT **A15-05404-TD**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Date Submitted: 17-Jul-15
Invoice No.: A15-05404-TD
Invoice Date: 10-Aug-15
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Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

29 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-05404-TD**

Notes:

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

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

Results

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
162803	2.6	0.15	0.10	0.87	0.37	0.29	< 0.1	10	2.5	109	0.74	< 0.1	< 10	17.9	0.3	0.3	< 0.1	< 0.05	0.14	4.4	0.10	0.10	0.1
162804	0.5	0.33	0.05	0.62	0.06	0.06	< 0.1	4	3.7	50	0.48	0.4	< 10	3.0	0.5	0.4	0.2	< 0.05	< 0.05	0.9	0.09	0.05	0.2
162805	2.5	2.26	0.17	3.17	0.06	0.13	< 0.1	11	10.9	125	0.99	1.4	< 10	8.6	2.3	1.7	0.8	< 0.05	< 0.05	2.2	0.76	0.03	0.6
162806	16.5	0.07	2.14	3.37	0.75	0.18	1.1	72	32.4	598	4.08	2.7	< 10	48.0	2.6	0.8	0.8	< 0.05	0.82	18.8	0.48	64.2	0.8
162807	30.9	1.22	4.41	7.59	0.19	4.95	0.3	175	154	1180	7.44	1.9	< 10	143	2.0	1.3	0.7	< 0.05	0.12	40.3	1.03	1.06	0.9
162808	45.1	0.02	4.55	6.58	0.27	4.25	1.0	171	111	1550	13.6	2.1	1170	229	1.9	0.7	0.7	0.89	0.22	126	0.59	3.16	6.4
162809	24.4	> 3.00	0.28	6.61	1.74	1.81	0.1	36	6.9	182	2.93	3.4	< 10	6.0	0.6	4.1	0.2	< 0.05	2.41	6.8	0.58	1.14	0.6
162810	33.9	1.95	4.11	7.14	0.09	1.08	< 0.1	350	27.9	915	9.22	1.0	< 10	45.1	4.7	0.8	1.7	< 0.05	0.54	42.9	1.70	0.36	2.3
162811	17.6	1.09	3.41	6.75	0.06	8.53	< 0.1	340	80.1	1590	10.2	1.1	< 10	84.3	2.5	0.7	0.8	< 0.05	0.05	54.3	0.92	0.14	1.3
162812	9.7	1.53	3.44	6.45	0.88	5.79	< 0.1	139	147	2260	9.27	3.3	< 10	149	2.4	1.4	0.9	< 0.05	2.09	41.8	1.74	0.07	1.7
162813	5.5	2.28	0.46	6.45	2.22	0.69	< 0.1	57	19.3	232	2.40	3.8	< 10	15.9	1.4	1.2	0.5	< 0.05	0.64	8.4	0.68	0.41	0.5
162814	3.8	1.80	0.58	4.90	1.10	0.41	< 0.1	14	< 0.5	225	1.66	1.6	< 10	2.6	4.6	1.6	1.5	< 0.05	0.24	4.8	1.16	0.05	1.2
162815	35.7	0.95	5.26	7.71	0.06	0.46	< 0.1	338	21.7	1630	9.76	3.6	< 10	41.4	2.4	1.0	0.8	< 0.05	0.16	31.9	0.88	0.32	0.8
162816	2.1	> 3.00	0.25	6.27	0.68	0.55	< 0.1	25	25.6	182	2.05	4.8	< 10	16.8	1.5	1.4	0.5	< 0.05	0.11	8.9	0.57	0.13	0.6
162817	1.2	0.59	0.24	2.18	0.69	0.77	< 0.1	18	22.0	358	2.00	0.9	< 10	10.9	0.5	0.7	0.2	< 0.05	0.07	5.2	0.22	< 0.02	< 0.1
162818	3.7	> 3.00	0.55	6.07	0.78	0.79	< 0.1	49	24.2	300	2.77	2.5	< 10	16.1	0.5	0.7	0.2	< 0.05	0.12	8.4	0.44	0.03	0.2
162819	13.4	1.54	3.06	6.95	0.63	4.62	< 0.1	177	123	1180	6.66	1.4	< 10	85.3	0.6	0.9	0.3	< 0.05	0.13	30.4	0.73	0.09	0.8
162820	1.2	0.06	0.50	0.78	0.21	1.36	< 0.1	13	30.2	286	1.87	0.4	< 10	12.5	0.2	0.2	< 0.1	< 0.05	< 0.05	5.1	0.15	0.69	0.1
162821	3.9	1.01	4.30	7.04	0.10	8.25	0.1	531	63.4	1410	9.18	0.6	< 10	200	1.3	0.5	0.5	< 0.05	< 0.05	74.3	0.51	0.08	1.9
162822	8.3	1.34	0.59	7.22	0.33	2.96	< 0.1	43	12.7	276	2.45	0.4	< 10	11.3	0.3	1.4	0.1	< 0.05	0.24	8.7	1.13	0.18	0.1
162823	8.6	0.97	0.37	2.52	0.40	0.23	< 0.1	26	32.0	160	1.62	0.5	< 10	11.5	0.3	0.6	< 0.1	< 0.05	0.13	6.2	0.20	< 0.02	< 0.1
162824	22.8	2.53	1.53	8.98	2.07	4.77	0.1	108	22.8	954	5.85	3.1	< 10	16.8	4.3	3.6	1.6	< 0.05	1.23	21.5	1.98	0.03	1.5
162825	12.3	2.39	0.97	6.36	1.11	0.79	0.2	31	24.6	240	3.23	4.7	< 10	10.6	2.1	1.2	0.8	< 0.05	0.36	6.8	0.63	0.14	3.4
162826	3.9	2.98	0.21	5.98	0.72	1.02	< 0.1	18	30.6	216	1.76	4.5	< 10	5.9	2.8	1.5	1.0	< 0.05	0.26	4.1	0.58	0.07	1.1
162827	4.6	2.78	1.03	6.26	0.85	0.54	< 0.1	43	33.0	187	3.42	4.3	< 10	11.4	1.0	1.6	0.4	< 0.05	0.13	10.9	0.39	0.20	3.6
162828	2.0	2.59	0.20	5.91	0.99	0.98	< 0.1	16	15.9	139	1.69	4.8	< 10	5.3	1.9	1.7	0.7	< 0.05	0.13	3.8	0.43	0.12	0.7
162829	2.4	> 3.00	0.40	5.77	0.81	0.76	< 0.1	16	24.6	125	1.49	4.2	< 10	4.9	1.1	1.5	0.4	< 0.05	0.13	5.3	0.47	0.05	0.4
162830	6.1	> 3.00	0.27	6.42	0.84	0.54	< 0.1	33	21.2	219	1.80	3.4	< 10	7.7	0.8	1.2	0.3	< 0.05	0.32	6.7	0.34	0.03	0.3
162831	3.0	0.26	0.22	1.05	0.15	0.29	< 0.1	11	50.9	117	0.88	0.3	< 10	4.2	0.3	0.3	0.1	< 0.05	0.06	2.0	0.16	0.06	< 0.1

Results

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
162803	10.1	3.3	14.7	10.9	2.4	15.0	12	1.3	0.56	< 0.1	< 1	0.1	< 0.1	90	2.7	6.1	0.7	2.1	0.4	0.4	< 0.1	0.4	13.4
162804	10.6	1.9	2.6	1.1	4.6	6.7	11	1.1	0.32	< 0.1	< 1	< 0.1	< 0.1	15	2.7	5.4	0.6	2.0	0.5	0.7	0.1	0.7	3.5
162805	6.5	8.1	3.4	1.0	23.1	16.9	21	1.8	0.30	< 0.1	1	< 0.1	< 0.1	16	65.7	127	13.5	44.3	7.2	5.4	0.8	3.6	23.2
162806	316	10.0	0.4	23.2	21.5	9.7	89	0.3	7.52	< 0.1	1	< 0.1	3.9	170	11.1	24.4	2.8	10.2	2.4	2.8	0.5	3.1	169
162807	134	21.4	3.2	5.2	18.4	175	84	2.5	1.86	0.1	4	< 0.1	< 0.1	38	7.4	15.3	2.1	7.6	2.1	2.8	0.5	2.9	787
162808	186	22.9	44.3	8.7	17.4	69.7	76	2.9	0.57	0.2	13	< 0.1	0.3	92	7.0	13.7	1.9	6.7	1.7	2.5	0.5	2.9	2810
162809	29.9	25.9	3.0	32.6	6.2	377	138	8.6	0.39	< 0.1	1	< 0.1	< 0.1	255	7.7	17.7	2.2	7.4	1.5	1.3	0.2	1.0	43.8
162810	108	26.8	2.5	3.4	44.1	38.2	29	4.3	0.34	0.1	3	< 0.1	< 0.1	32	24.3	49.0	6.3	22.5	5.7	6.5	1.3	7.2	15.3
162811	98.1	19.2	2.4	0.7	20.3	160	27	2.3	0.38	< 0.1	< 1	< 0.1	< 0.1	15	3.8	9.6	1.4	5.8	1.9	2.8	0.6	3.4	123
162812	130	21.0	480	25.9	23.6	389	133	14.7	2.48	< 0.1	1	0.4	< 0.1	384	21.1	39.5	5.3	19.3	4.7	5.1	0.9	4.4	93.2
162813	37.5	19.4	1480	63.1	12.5	139	120	6.4	0.84	< 0.1	1	0.3	0.9	599	30.8	63.6	7.1	21.2	3.3	2.6	0.5	2.4	125
162814	16.4	14.9	2.5	26.9	41.1	50.9	111	6.6	0.28	< 0.1	1	< 0.1	< 0.1	246	34.2	71.2	8.7	30.7	6.9	7.0	1.2	6.4	4.8
162815	1040	29.6	2.7	1.8	19.6	18.4	128	0.7	1.24	< 0.1	< 1	< 0.1	< 0.1	35	10.8	25.5	3.3	11.4	2.9	3.6	0.7	3.7	168
162816	12.2	16.2	6.9	16.7	14.5	163	149	11.2	1.04	< 0.1	2	0.2	< 0.1	184	28.4	55.4	5.9	18.0	3.2	2.8	0.5	2.5	20.5
162817	11.2	7.6	1.9	15.4	5.0	40.2	32	2.8	0.63	< 0.1	1	< 0.1	< 0.1	185	4.9	10.2	1.1	3.6	0.8	1.0	0.2	0.9	3.8
162818	23.9	21.9	1.7	15.5	5.8	41.2	94	2.7	0.48	< 0.1	1	< 0.1	< 0.1	314	9.7	18.5	2.0	6.6	1.3	1.2	0.2	0.9	20.9
162819	70.1	17.2	3.2	15.9	6.7	202	45	2.5	0.23	< 0.1	1	< 0.1	< 0.1	65	7.1	15.4	2.0	7.0	1.8	2.0	0.4	1.6	34.5
162820	9.7	3.0	3.0	5.1	1.8	22.7	15	0.6	0.46	< 0.1	< 1	0.1	< 0.1	40	1.2	2.5	0.3	1.1	0.3	0.3	< 0.1	0.3	19.9
162821	69.0	20.3	2.7	3.0	11.7	194	17	1.9	0.65	< 0.1	< 1	< 0.1	< 0.1	14	2.7	6.9	1.0	3.6	1.1	1.6	0.3	1.9	526
162822	14.9	25.5	2.3	8.7	4.2	345	17	1.6	1.20	< 0.1	< 1	< 0.1	< 0.1	1110	9.9	17.3	1.8	5.6	1.0	0.8	0.2	0.7	7.5
162823	23.9	8.8	3.3	10.2	2.5	34.8	20	1.4	0.25	< 0.1	< 1	< 0.1	< 0.1	79	4.2	8.5	0.9	3.0	0.6	0.6	< 0.1	0.4	6.0
162824	114	27.3	1.3	109	42.6	659	113	2.9	0.24	0.1	1	< 0.1	< 0.1	706	30.8	72.8	9.6	35.1	8.1	8.5	1.5	7.5	24.9
162825	27.1	20.1	4.1	27.1	20.8	99.2	151	8.2	0.46	< 0.1	4	< 0.1	< 0.1	338	25.3	51.0	5.6	17.6	3.6	3.7	0.6	3.3	111
162826	16.5	17.4	2.3	17.8	25.3	162	135	7.7	0.31	< 0.1	2	< 0.1	< 0.1	301	25.0	48.6	5.5	17.4	3.7	4.0	0.7	3.9	39.6
162827	26.5	19.1	4.9	20.4	10.7	277	137	7.6	0.67	< 0.1	3	0.2	< 0.1	452	16.4	31.1	3.4	10.4	2.2	2.1	0.3	1.8	91.9
162828	11.3	17.7	4.8	21.4	17.1	123	122	6.6	1.18	< 0.1	3	< 0.1	< 0.1	160	24.6	49.7	5.3	17.2	3.5	3.3	0.6	3.1	30.0
162829	12.5	18.1	2.4	20.1	11.7	115	126	5.1	0.43	< 0.1	3	< 0.1	< 0.1	317	20.1	39.8	4.1	13.2	2.7	2.8	0.4	2.2	19.8
162830	15.6	20.6	1.7	23.4	7.8	87.3	124	3.0	0.30	< 0.1	1	< 0.1	< 0.1	157	10.3	21.4	2.3	7.5	1.4	1.4	0.2	1.3	16.8
162831	8.2	3.1	3.2	4.9	2.9	20.6	11	0.7	0.52	< 0.1	1	< 0.1	< 0.1	27	4.0	8.7	1.0	3.2	0.6	0.5	< 0.1	0.5	4.2

Results

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
162803	0.2	< 0.1	0.3	< 0.1	< 0.1	0.3	0.007	< 0.05	2.4	1	1.1	0.2	0.0507	0.007	0.07
162804	0.2	< 0.1	0.4	< 0.1	< 0.1	0.1	0.006	< 0.05	0.5	< 1	0.9	0.2	0.0200	0.005	< 0.01
162805	0.3	0.3	2.1	0.4	0.1	0.1	0.008	< 0.05	0.6	5	3.1	0.4	0.0358	0.002	< 0.01
162806	0.5	0.4	2.6	0.4	< 0.1	0.1	0.008	0.10	13.0	14	2.4	0.7	0.323	0.019	0.06
162807	0.8	0.3	1.8	0.3	< 0.1	5.0	0.005	< 0.05	5.7	33	0.8	0.2	0.442	0.038	0.06
162808	0.8	0.3	1.9	0.4	< 0.1	163	0.004	0.05	13.4	25	0.7	0.3	0.408	0.035	3.48
162809	0.4	< 0.1	0.6	< 0.1	0.5	0.5	0.003	0.31	11.8	4	1.3	0.5	0.268	0.060	1.90
162810	0.8	0.6	4.0	0.5	0.2	0.8	0.003	< 0.05	2.1	45	0.7	0.4	0.925	0.050	0.16
162811	0.7	0.3	2.3	0.4	0.1	0.4	0.002	< 0.05	3.3	44	0.5	2.2	0.676	0.032	0.16
162812	0.7	0.2	1.9	0.3	0.7	0.4	< 0.001	0.11	5.4	19	3.6	1.1	0.784	0.159	0.76
162813	0.4	0.2	1.3	0.2	0.3	1.8	0.006	0.27	3.9	9	7.3	1.3	0.285	0.048	0.16
162814	0.3	0.7	4.5	0.8	0.2	0.5	0.007	0.09	2.5	3	5.9	1.2	0.121	0.002	< 0.01
162815	0.4	0.3	2.4	0.4	< 0.1	0.1	0.007	< 0.05	2.3	38	1.4	0.4	0.517	0.063	0.09
162816	0.3	0.2	1.5	0.3	0.8	0.3	0.007	0.05	4.4	5	6.2	1.3	0.137	0.012	0.11
162817	0.2	< 0.1	0.6	< 0.1	0.2	0.2	0.007	< 0.05	1.6	4	2.4	0.5	0.0475	0.003	< 0.01
162818	0.8	< 0.1	0.5	< 0.1	0.2	0.6	0.006	0.06	1.3	7	1.4	0.4	0.165	0.023	0.03
162819	0.7	< 0.1	0.7	0.1	< 0.1	0.1	0.003	0.13	2.3	30	0.9	0.2	0.351	0.028	0.08
162820	0.4	< 0.1	0.2	< 0.1	< 0.1	0.3	0.004	< 0.05	1.7	3	0.3	0.3	0.0328	0.003	< 0.01
162821	0.5	0.2	1.3	0.2	0.1	0.3	0.005	< 0.05	1.7	36	0.4	0.3	0.703	0.010	0.38
162822	0.5	< 0.1	0.2	< 0.1	0.1	0.1	< 0.001	< 0.05	1.1	5	0.3	0.2	0.140	0.026	< 0.01
162823	0.5	< 0.1	0.2	< 0.1	< 0.1	0.1	0.004	< 0.05	2.1	4	0.8	0.3	0.0974	0.010	< 0.01
162824	0.9	0.5	3.7	0.6	< 0.1	< 0.1	0.002	0.50	13.9	19	3.8	1.6	0.516	0.156	0.13
162825	0.3	0.3	2.1	0.3	0.7	0.6	0.008	0.11	3.1	6	6.3	1.4	0.169	0.014	0.44
162826	0.2	0.4	2.7	0.4	0.7	0.1	0.007	0.06	3.9	5	7.3	7.7	0.131	0.015	0.10
162827	0.3	0.1	1.1	0.2	0.6	0.4	0.008	0.07	4.2	8	4.4	1.0	0.218	0.031	0.60
162828	0.3	0.3	1.8	0.3	0.6	0.3	0.007	0.13	3.1	5	6.6	1.4	0.122	0.012	0.16
162829	0.3	0.1	1.1	0.2	0.4	0.2	0.006	0.08	2.7	4	5.2	0.9	0.105	0.012	0.03
162830	0.5	0.1	0.8	0.1	0.1	< 0.1	0.003	0.10	1.4	5	1.9	0.4	0.167	0.022	< 0.01
162831	0.2	< 0.1	0.3	< 0.1	< 0.1	0.1	0.004	0.08	1.1	2	0.8	0.3	0.0303	0.008	< 0.01

QC

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
GXR-1 Meas	8.4	0.04	0.21	2.13	0.05	0.95	3.6	74	9.1	855	23.6	0.5	3970	42.0		1.3		35.4	2.81	7.8	0.63	1580	15.4
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
GXR-1 Meas	8.6	0.04	0.19	1.77	0.06	1.04	3.8	82	7.5	939	25.1	0.5	3970	44.5		1.2		34.7	2.85	8.1	0.66	1570	16.6
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	12.1	0.43	1.60	6.17	2.67	0.99	0.8	83	35.6	157	3.02	1.2		42.8		2.6		2.72	2.36	14.4	1.47	19.8	6.0
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30		42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
GXR-4 Meas	11.5	0.48	1.63	5.72	3.28	0.97	0.9	84	35.3	144	2.97	1.2		41.4		2.4		2.87	2.31	13.0	1.50	18.0	6.4
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30		42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
GXR-6 Meas	43.1	0.10	0.57	> 10.0	1.51	0.22	0.2	88	33.7	863	4.90	1.4	< 10	24.4		1.4		< 0.05	3.54	12.4	0.61	0.18	0.7
GXR-6 Cert	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
GXR-6 Meas	40.5	0.12	0.44	> 10.0	1.58	0.21	0.1	105	45.2	879	5.02	1.9	20	25.6		1.5		< 0.05	3.39	12.0	0.52	0.16	1.1
GXR-6 Cert	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
SAR-M (U.S.G.S.) Meas	29.9	1.03	0.36	5.96	2.26	0.55	5.3	56	64.5	5040	3.02			45.6		2.9		7.95		10.9		1.74	1.3
SAR-M (U.S.G.S.) Cert	27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94	0.39
SAR-M (U.S.G.S.) Meas	28.3	1.21	0.35	5.63	2.26	0.57	5.5	46	66.4	5000	3.05			47.4		3.2		2.97		10.6		1.68	1.3
SAR-M (U.S.G.S.) Cert	27.4	1.140	0.50	6.30	2.94	0.61	5.27	67.2	79.7	5220	2.99			41.5		2.20		3.64		10.70		1.94	0.39
DNC-1a Meas	5.3							139	130					295						60.1	0.65		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
DNC-1a Meas	5.1							147	130					293						57.3	0.65		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
SBC-1 Meas	172						0.4	219	67.0			3.3		92.1	3.6	3.6	1.3		7.64	22.5	1.93	0.69	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
SBC-1 Meas	165						0.5	226	81.9			3.2		93.2	3.6	3.4	1.3		7.39	21.5	1.94	0.66	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
OREAS 45d (4-Acid) Meas	22.6	0.09	0.23	7.16	0.44	0.18		142	489	454	13.6	3.4		242	1.5	1.1	0.5		3.42	29.0	0.56	0.42	
OREAS 45d (4-Acid) Cert	21.50	0.101	0.245	8.150	0.412	0.185		235.0	549.0	490.000	14.520	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31	
OREAS 45d (4-Acid) Meas	23.5	0.08	0.20	6.20	0.49	0.19		106	482	491	14.5	1.6		254	1.4	1.0	0.5		3.53	29.1	0.65	0.35	
OREAS 45d (4-Acid) Cert	21.50	0.101	0.245	8.150	0.412	0.185		235.0	549.0	490.000	14.520	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31	
162827 Orig	4.6	2.85	1.05	6.32	0.84	0.57	< 0.1	44	36.2	196	3.47	4.5	< 10	11.8	1.0	1.4	0.4	< 0.05	0.13	10.9	0.39	0.21	3.7
162827 Dup	4.5	2.70	1.02	6.19	0.86	0.52	< 0.1	42	29.9	178	3.37	4.1	< 10	11.0	1.0	1.7	0.4	< 0.05	0.14	10.9	0.39	0.20	3.5
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		< 1	< 0.5	< 1	< 0.01	< 0.1		< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
GXR-1 Meas	775	11.2	406	2.9	28.8	299	19	0.6	17.5	0.8	23	19.5	7.1	635	7.8	15.5		7.2	2.5	4.1	0.8	4.8	1170
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
GXR-1 Meas	766	12.8	414	2.9	29.1	305	20	0.6	17.8	0.8	24	28.2	8.6	637	7.4	15.0		7.8	2.6	4.1	0.8	4.8	1170
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
DH-1a Meas																							
DH-1a Cert																							
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	72.5	20.1	105	124	14.2	227	37	8.9	309	0.2	7	4.3	0.9	141	57.0	107		35.5	5.9	4.4	0.6	2.6	6630
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
GXR-4 Meas	72.5	19.4	99.4	119	13.2	207	35	8.5	305	0.2	7	4.2	0.9	134	54.2	100		39.0	6.2	4.7	0.6	2.5	6100
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
GXR-6 Meas	125	40.3	177	60.2	11.3	47.8	50	< 0.1	0.36	< 0.1	< 1	0.2	< 0.1	1530	11.0	30.0		9.1	2.0	2.0	0.4	2.0	65.7
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0
GXR-6 Meas	124	34.9	206	52.8	10.4	41.8	58	0.3	0.62	< 0.1	< 1	0.7	< 0.1	1430	9.3	26.1		9.5	2.1	2.1	0.4	1.9	67.2
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0
SAR-M (U.S.G.S.) Meas	979	18.9	37.3	109	32.3	161		6.5	7.03	1.0	3	4.0	0.5	721	50.3	102							339
SAR-M (U.S.G.S.) Cert	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0							331.0000
SAR-M (U.S.G.S.) Meas	920	19.1	31.0	99.2	30.1	149		1.8	5.16	1.0	2	3.8	0.4	711	47.0	95.4							331
SAR-M (U.S.G.S.) Cert	930.0	17	38.8	146	28.00	151		29.9	13.1	1.08	2.76	6.0	0.96	801	57.4	122.0							331.0000
DNC-1a Meas	74.0	16.5		4.1	17.9	156	38	1.2				0.4		99	3.8			4.0					111
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
DNC-1a Meas	77.2	16.3		4.2	17.5	157	40	1.5				0.8		100	3.8			4.5					107
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
SBC-1 Meas	207	29.4	28.2	122	32.2	193	115	12.1	2.18		3	0.9		756	50.8	105	12.8	41.0	8.5	8.0	1.3	6.2	35.3
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
SBC-1 Meas	213	29.4	28.6	123	31.9	173	107	12.1	2.32		3	0.9		711	46.6	98.5	12.2	42.3	9.3	8.0	1.3	6.1	31.9
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
OREAS 45d (4-Acid) Meas	45.8	23.4	8.2	39.0	11.1	31.6	108	2.7	1.25	0.1	1	0.1		168	15.2	33.6	3.5	10.8	2.5	2.3	0.4	2.3	386
OREAS 45d (4-Acid) Cert	45.7	21.20	13.80	42.1	9.53	31.30	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	371.0
OREAS 45d (4-Acid) Meas	51.8	23.4	8.6	42.9	11.1	31.3	60	0.3	0.26	0.1	< 1	< 0.1		168	15.9	35.1	3.8	12.6	2.7	2.5	0.4	2.2	383
OREAS 45d (4-Acid) Cert	45.7	21.20	13.80	42.1	9.53	31.30	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	371.0
162827 Orig	26.1	19.5	4.9	20.4	10.9	282	143	7.9	0.84	< 0.1	4	0.2	< 0.1	451	16.3	31.0	3.4	10.4	2.2	2.1	0.3	1.8	95.6
162827 Dup	26.8	18.7	4.9	20.4	10.5	272	131	7.4	0.49	< 0.1	3	0.2	< 0.1	454	16.5	31.2	3.3	10.4	2.2	2.0	0.3	1.8	88.3
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1		< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1				< 0.1	< 0.1	< 0.2
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
Method Blank																							

QC

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		0.4	2.3	0.3	< 0.1	152		0.48	860	1	2.6	33.8	0.0220	0.056	0.38
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257
GXR-1 Meas		0.4	2.3	0.3	< 0.1	168		0.49	842	2	2.6	33.6	0.0268	0.059	0.24
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257
DH-1a Meas											> 500	2030			
DH-1a Cert											910	2629			
DH-1a Meas											> 500	2180			
DH-1a Cert											910	2629			
GXR-4 Meas		0.1	1.0	0.1	0.6	34.6		3.51	53.6	7	18.6	5.3	0.251	0.119	1.80
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
GXR-4 Meas		0.1	1.1	0.2	0.5	32.9		3.21	48.1	8	17.4	5.1	0.287	0.131	1.77
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
GXR-6 Meas			1.4	0.2	< 0.1	< 0.1		2.09	97.4	20	3.9	1.1		0.023	0.11
GXR-6 Cert			2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160
GXR-6 Meas			1.4	0.2	< 0.1	< 0.1		2.12	89.2		3.7	1.0			
GXR-6 Cert			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
SAR-M (U.S.G.S.) Meas						2.0		2.69	987	8	16.1	4.0	0.261	0.053	
SAR-M (U.S.G.S.) Cert						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07	
SAR-M (U.S.G.S.) Meas						0.4		2.67	926	9	14.8	3.8	0.206	0.054	
SAR-M (U.S.G.S.) Cert						9.78		2.7	982	7.83	17.2	3.57	0.38	0.07	
DNC-1a Meas			2.0						6.8	29			0.267		
DNC-1a Cert			2.0						6.3	31			0.29		
DNC-1a Meas			2.1						6.7	30			0.287		
DNC-1a Cert			2.0						6.3	31			0.29		
SBC-1 Meas		0.5	3.5	0.6	0.7	1.6		0.95	38.6	18	14.9	5.3	0.421		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas		0.5	3.4	0.6	0.7	1.5		0.99	35.0	20	14.2	5.2	0.523		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas			1.5	0.3	< 0.1	0.2		0.26	23.1	42	12.6	2.7	0.412	0.031	0.12
OREAS 45d (4-Acid) Cert			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas			1.5	0.2	< 0.1	< 0.1		0.29	22.6	54	13.4	2.6	0.518	0.036	0.05
OREAS 45d (4-Acid) Cert			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
162827 Orig	0.3	0.1	1.1	0.2	0.6	0.4	0.008	0.07	3.9	8	4.4	1.0	0.219	0.031	0.60
162827 Dup	0.3	0.1	1.0	0.2	0.6	0.4	0.007	0.07	4.4	8	4.4	1.0	0.218	0.031	0.59
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank										< 1			< 0.0005	< 0.001	< 0.01
Method Blank										< 1			< 0.0005	< 0.001	< 0.01
Method Blank										< 1			< 0.0005	< 0.001	< 0.01
Method Blank										< 1			< 0.0005	< 0.001	< 0.01

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-15
Invoice No.: A15-05722-Au
Invoice Date: 01-Aug-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

19 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A15-05722-Au**

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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Results

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
162832	< 0.005
162833	0.006
162834	< 0.005
162835	< 0.005
162836	2.128
162837	< 0.005
162838	0.006
162839	0.005
162840	0.029
162841	< 0.005
162842	< 0.005
162843	< 0.005
162844	0.005
162845	< 0.005
162846	< 0.005
162847	0.007
162848	0.005
162849	< 0.005
162850	< 0.005

QC

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.413
OxD108 Cert	0.414
SG66 Meas	1.053
SG66 Cert	1.086
162841 Orig	< 0.005
162841 Dup	< 0.005
Method Blank	< 0.005
Method Blank	0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-15
Invoice No.: A15-05722-UT6
Invoice Date: 25-Aug-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

19 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-05722-UT6**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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Results

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
162832	8.0	2.50	0.46	6.34	1.23	0.10	< 0.1	1	4.0	139	1.41	4.6	< 10	1.3	1.6	1.1	0.7	1.18	0.41	1.1	0.99	0.06	9.6
162833	17.6	0.27	0.86	5.50	2.05	0.17	< 0.1	< 1	4.7	56	0.58	3.0	< 10	0.8	1.6	1.8	0.6	0.26	0.82	0.6	0.27	0.03	< 0.1
162834	2.5	> 3.00	0.32	6.24	0.85	0.59	< 0.1	10	6.0	134	1.37	4.3	< 10	4.4	1.9	1.1	0.7	0.13	0.18	4.6	0.57	< 0.02	4.8
162835	1.5	> 3.00	0.36	6.37	0.29	0.98	< 0.1	13	8.3	177	1.89	3.8	< 10	4.1	1.4	1.0	0.6	0.06	0.13	7.1	0.54	< 0.02	2.5
162836	8.6	1.64	3.36	6.29	0.63	5.32	0.1	103	169	4170	11.3	1.6	< 10	128	1.8	1.1	0.9	0.27	3.51	37.0	1.70	0.04	12.2
162837	14.1	1.53	3.72	7.14	0.20	3.92	0.2	248	79.7	1670	7.58	0.3	< 10	81.5	1.6	0.3	0.7	0.12	0.21	45.4	0.71	< 0.02	< 0.1
162838	18.9	0.10	2.58	5.60	0.02	5.53	< 0.1	88	98.8	3840	16.3	1.7	< 10	41.9	0.7	< 0.1	0.2	< 0.05	0.24	16.4	0.50	< 0.02	7.1
162839	21.7	> 3.00	2.00	7.68	0.20	2.51	< 0.1	86	79.4	677	4.51	2.1	10	72.6	0.9	0.5	0.4	< 0.05	0.22	23.1	0.69	< 0.02	6.6
162840	24.4	0.96	2.78	6.56	1.44	7.68	< 0.1	242	144	1330	7.55	0.8	240	119	1.4	0.4	0.5	< 0.05	2.07	44.5	0.57	< 0.02	8.2
162841	23.2	1.30	4.64	7.62	0.86	6.81	< 0.1	252	182	1460	7.21	1.5	< 10	130	1.3	0.3	0.6	< 0.05	0.87	48.0	0.87	< 0.02	1.8
162842	7.9	> 3.00	0.51	6.71	0.41	1.69	0.1	33	18.1	246	2.07	3.3	< 10	12.1	0.9	1.0	0.3	0.14	0.58	12.0	0.59	0.21	7.6
162843	10.2	1.75	2.50	6.84	0.53	5.42	< 0.1	205	57.9	1500	7.61	0.9	< 10	35.6	2.1	0.5	0.9	< 0.05	0.32	43.9	1.10	< 0.02	8.7
162844	8.4	1.55	3.55	7.15	0.08	5.77	0.1	246	120	1680	7.71	0.3	20	79.5	1.6	0.3	0.7	< 0.05	0.12	42.9	0.71	< 0.02	1.2
162845	3.7	2.45	0.36	5.94	1.57	0.72	< 0.1	< 1	4.5	127	1.10	4.2	< 10	1.1	2.6	1.4	1.0	< 0.05	0.55	0.5	0.72	0.11	< 0.1
162846	7.6	2.03	0.33	5.84	1.33	0.65	< 0.1	1	5.2	204	1.35	0.8	< 10	1.5	1.9	0.8	0.8	< 0.05	0.67	1.2	0.96	< 0.02	1.5
162847	7.6	1.48	3.46	7.25	0.71	6.20	0.1	312	111	1810	9.47	2.2	< 10	93.2	2.4	0.6	1.0	0.15	1.54	47.5	1.04	< 0.02	< 0.1
162848	16.6	2.35	1.44	7.98	1.48	4.07	< 0.1	87	16.3	850	4.89	2.3	< 10	12.4	2.8	2.2	1.3	0.08	1.20	17.7	1.56	< 0.02	8.1
162849	21.8	2.57	2.58	8.20	0.39	3.32	0.2	117	71.4	664	5.16	0.4	< 10	76.1	1.4	0.7	0.6	0.05	0.42	25.4	0.81	< 0.02	2.7
162850	13.6	0.86	1.79	3.65	1.38	3.54	0.3	120	74.6	1040	4.44	1.0	40	44.0	1.0	0.4	0.4	< 0.05	0.27	28.0	0.61	0.10	5.5

Results

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
162832	33.7	18.8	5.2	41.6	18.8	34.1	170	4.1	0.28	< 0.1	1	< 0.1	0.4	158	30.7	64.9	7.7	27.9	5.6	4.9	0.7	2.9	46.7
162833	21.1	16.7	0.9	68.3	17.2	75.4	72	1.7	0.14	< 0.1	1	< 0.1	0.1	363	8.7	22.5	2.6	8.7	2.3	2.2	0.5	2.6	9.1
162834	23.1	16.8	1.1	22.8	22.8	80.2	153	3.9	0.75	< 0.1	1	< 0.1	0.1	349	19.3	40.5	4.3	14.9	3.3	3.2	0.5	3.0	40.8
162835	15.7	15.3	1.8	10.4	16.9	94.4	132	3.3	0.36	< 0.1	< 1	< 0.1	< 0.1	106	16.0	35.5	3.5	13.0	2.6	2.4	0.4	2.2	37.6
162836	118	16.2	979	24.1	24.1	303	65	0.8	0.94	< 0.1	1	0.8	< 0.1	129	23.9	39.8	5.9	24.0	5.5	5.5	0.8	3.7	135
162837	184	16.0	1.3	5.4	17.8	86.2	9	0.8	0.16	< 0.1	< 1	< 0.1	< 0.1	104	3.3	8.0	1.2	5.6	1.8	2.6	0.5	2.7	90.1
162838	93.9	12.7	2.0	0.6	7.1	29.6	73	2.1	0.19	< 0.1	< 1	0.4	< 0.1	5	5.9	13.3	1.7	6.9	1.7	1.7	0.2	1.0	24.1
162839	61.1	17.4	2.8	4.9	10.4	139	77	0.2	< 0.05	< 0.1	< 1	< 0.1	< 0.1	44	6.8	15.4	2.0	8.3	2.2	2.2	0.3	1.8	44.0
162840	81.4	13.8	7.6	42.6	15.1	84.5	27	1.4	3.95	< 0.1	< 1	0.5	< 0.1	478	2.4	5.8	0.8	4.4	1.5	2.0	0.4	2.0	175
162841	72.2	16.4	1.3	48.1	14.8	176	62	4.0	0.45	< 0.1	< 1	< 0.1	0.1	188	7.1	15.9	2.1	8.9	2.3	2.6	0.4	2.2	80.8
162842	39.9	17.6	2.0	16.0	10.3	264	126	3.0	0.27	< 0.1	2	< 0.1	0.2	187	14.9	31.2	3.2	11.6	2.5	2.0	0.3	1.5	40.0
162843	116	18.6	1.4	15.8	25.6	185	33	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	397	6.9	16.9	2.3	10.7	3.6	3.9	0.7	3.9	84.4
162844	71.8	15.7	1.6	2.2	18.1	122	7	0.2	< 0.05	< 0.1	< 1	< 0.1	< 0.1	40	2.7	7.3	1.1	5.6	2.1	2.5	0.5	2.8	99.5
162845	17.0	16.7	5.7	44.3	30.1	37.8	120	10.2	0.39	< 0.1	3	< 0.1	< 0.1	256	26.8	60.2	7.4	29.0	7.0	6.0	0.9	4.5	3.0
162846	22.1	17.2	3.6	50.8	24.5	43.8	44	3.3	0.39	0.1	2	0.2	< 0.1	203	32.8	67.8	7.8	30.1	5.1	4.8	0.6	3.4	104
162847	93.3	19.5	2.9	29.4	28.4	109	87	2.6	0.56	< 0.1	< 1	0.2	< 0.1	175	8.7	20.2	2.7	11.9	3.4	4.3	0.7	4.1	148
162848	102	20.4	2.7	95.3	37.0	475	94	0.7	0.14	0.1	1	< 0.1	0.1	567	31.0	70.9	9.0	38.0	8.7	7.3	1.2	5.6	21.5
162849	99.7	18.9	13.0	10.8	16.8	203	14	0.6	0.15	< 0.1	< 1	< 0.1	< 0.1	182	7.8	17.4	2.2	9.8	2.6	2.8	0.5	2.3	74.6
162850	82.4	8.5	1.3	33.2	11.6	69.9	38	2.3	0.26	< 0.1	< 1	0.1	0.2	124	4.2	9.8	1.4	6.0	1.7	1.7	0.3	1.6	97.7

Results

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
162832	0.7	0.3	1.9	0.3	< 0.1	0.2	0.001	0.06	1.5	5	4.8	1.3	0.0714	0.009	0.01
162833	0.5	0.3	2.2	0.4	0.1	< 0.1	< 0.001	0.14	1.6	3	6.7	1.9	0.0286	0.002	< 0.01
162834	0.5	0.4	2.4	0.4	< 0.1	0.2	< 0.001	0.05	1.6	5	4.8	1.4	0.118	0.013	0.05
162835	0.4	0.3	1.9	0.3	< 0.1	< 0.1	< 0.001	< 0.05	2.5	5	4.8	1.1	0.109	0.012	0.03
162836	0.7	0.3	1.9	0.2	< 0.1	< 0.1	0.003	0.31	6.2	17	4.1	1.4	0.455	0.188	1.62
162837	0.5	0.3	1.8	0.2	< 0.1	< 0.1	< 0.001	0.09	28.3	48	0.4	< 0.1	0.438	0.025	0.07
162838	0.3	0.1	0.9	0.2	0.1	0.2	< 0.001	< 0.05	0.8	15	0.9	0.2	0.230	0.027	0.10
162839	0.4	0.2	1.1	0.1	< 0.1	< 0.1	0.002	< 0.05	1.2	18	1.2	0.4	0.228	0.033	0.06
162840	0.2	0.2	1.5	0.3	< 0.1	> 200	0.002	0.07	1.0	36	0.2	0.1	0.416	0.023	0.38
162841	0.7	0.2	1.4	0.2	0.2	1.0	0.001	0.09	3.8	38	0.8	2.2	0.537	0.036	0.10
162842	0.3	0.1	1.2	0.2	< 0.1	0.7	< 0.001	< 0.05	5.8	5	2.6	0.7	0.167	0.026	0.17
162843	0.4	0.4	2.4	0.3	< 0.1	0.2	< 0.001	0.14	0.7	46	0.6	0.2	0.387	0.045	0.82
162844	0.4	0.3	1.8	0.3	< 0.1	0.1	0.003	< 0.05	0.9	45	0.3	< 0.1	0.280	0.022	0.05
162845	0.6	0.5	3.1	0.5	0.3	0.6	0.002	0.11	2.0	6	5.8	2.0	0.0488	0.002	< 0.01
162846	0.6	0.4	2.4	0.4	< 0.1	0.2	< 0.001	0.12	1.9	5	4.8	1.4	0.0908	0.009	0.01
162847	0.6	0.4	3.0	0.4	< 0.1	< 0.1	0.003	0.32	1.7	42	1.4	0.4	0.697	0.052	0.27
162848	1.0	0.5	2.8	0.4	< 0.1	< 0.1	< 0.001	0.35	9.3	20	3.6	1.2	0.386	0.162	0.14
162849	0.7	0.2	1.4	0.2	< 0.1	< 0.1	0.002	0.13	2.7	24	1.0	0.3	0.350	0.042	0.05
162850	0.4	0.2	1.2	0.1	< 0.1	6.9	0.002	0.14	10.1	20	0.3	0.1	0.425	0.021	1.38

QC

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
GXR-1 Meas	7.5	0.04	0.20	1.90	0.04	1.00	2.6	85	14.2	907	23.2	0.4	4000	37.3		0.9		29.9	2.71	7.6	0.62	1360	53.7
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	10.2	0.46	1.50	5.85	3.79	0.98	0.2	85	42.4	142	2.68	1.0	110	35.9		1.8		2.39	2.31	12.9	1.33	16.9	17.6
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
SDC-1 Meas	34.0	1.42	0.94	7.71	2.59	1.05		33	48.6	848	4.40	0.9	< 10	32.3	2.7	2.8	1.2		3.59	16.7	1.44		
SDC-1 Cert	34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70		
GXR-6 Meas	38.1	0.10	0.59	> 10.0	1.56	0.22	< 0.1	96	36.3	871	4.51	1.5	50	20.2		1.1		0.19	3.96	10.9	0.62	0.07	6.8
GXR-6 Cert	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
DNC-1a Meas	4.2							155	214					254						54.5	0.52		
DNC-1a Cert	5.20							148.00	270					247						57.0	0.59		
SBC-1 Meas	156						0.4	217	72.1			2.9		78.4	2.7	2.9	1.1		8.01	21.1	1.82	0.55	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
SdAR-M2 (U.S.G.S.) Meas	16.7						4.8	25	33.4			2.5	1250	45.2	2.1	6.1	0.9		1.56	12.3	1.34	0.87	
SdAR-M2 (U.S.G.S.) Cert	17.9						5.1	25.2	49.6			7.29	1440.00	48.8	3.58	6.6	1.21		1.82	12.4	1.44	1.05	
162835 Orig	1.5	> 3.00	0.37	6.29	0.29	1.02	< 0.1	11	10.5	180	1.88	3.9	< 10	4.0	1.3	1.0	0.6	0.06	0.08	7.1	0.53	< 0.02	3.2
162835 Dup	1.4	> 3.00	0.36	6.45	0.29	0.94	< 0.1	15	6.2	175	1.89	3.7	< 10	4.1	1.5	1.0	0.5	0.06	0.17	7.1	0.55	< 0.02	1.8
162837 Orig	13.4	1.45	3.51	6.76	0.19	3.71	0.1	202	74.6	1570	7.16	0.4	10	77.4	1.5	0.3	0.7	0.14	0.22	43.0	0.68	< 0.02	< 0.1
162837 Dup	14.7	1.60	3.92	7.52	0.21	4.12	0.2	294	84.8	1760	8.00	0.3	< 10	85.5	1.7	0.3	0.7	0.09	0.19	47.7	0.75	< 0.02	13.5
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3.2	10	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	0.06	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.1	< 1	5.4	6	< 0.01	< 0.1	< 10	0.8	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	2.1
Method Blank	< 0.5	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.1	< 1	6.1	8	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	0.07	< 0.05	< 0.1	< 0.05	0.09	1.0

QC

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
GXR-1 Meas	645	11.1	390	2.8	28.0	280	12	0.4	16.8	0.9	30	24.5	7.6	611	7.0	14.1		7.7	2.7	3.7	0.7	3.9	1200
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	58.1	15.1	92.3	158	12.5	199	35	8.6	302	0.2	7	3.9	1.0	113	53.3	101		37.2	5.3	3.9	0.5	2.1	6310
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
SDC-1 Meas	105	19.9	2.7	136		168	35	0.6			< 1	< 0.1		601	39.5	84.6		38.2	7.1	6.2	1.0	5.1	30.1
SDC-1 Cert	103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000
GXR-6 Meas	154	31.1	197	78.1	10.7	43.9	57	0.2	0.32	< 0.1	< 1	0.2	< 0.1	1530	11.1	29.2		10.1	2.3	1.9	0.3	1.8	62.1
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0
DNC-1a Meas	56.9	14.9		4.7	15.4	132	40	1.7				0.6		93	3.8			4.6					99.1
DNC-1a Cert	70.0	15		5	18.0	144.0	38.000	3				0.96		118	3.6			5.20					100.00
SBC-1 Meas	171	26.1	26.7	155	30.7	175	114	13.6	2.77		3	1.2		494	48.4	99.8	11.6	42.6	9.4	7.5	1.1	5.1	30.6
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
SdAR-M2 (U.S.G.S.) Meas	640	17.7		170	24.1	138	91	2.6	11.7					918	43.4	92.5	9.8	34.8	6.4	4.9	0.8	3.8	246

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
SdAR-M2 (U.S.G.S.) Cert	760	17.6		149	32.7	144	259	26.2	13.3					990	46.6	98.8	11.0	39.4	7.18	6.28	0.97	5.88	236.0000
162835 Orig	14.6	15.3	1.7	9.7	16.8	93.2	133	0.4	0.19	< 0.1	< 1	< 0.1	< 0.1	105	16.4	35.7	3.5	13.4	2.5	2.5	0.5	2.2	37.8
162835 Dup	16.8	15.2	1.9	11.0	16.9	95.6	131	6.2	0.52	< 0.1	1	0.2	< 0.1	107	15.6	35.3	3.5	12.6	2.6	2.3	0.4	2.3	37.4
162837 Orig	93.8	15.6	1.6	5.3	16.8	82.3	9	0.1	0.10	< 0.1	< 1	< 0.1	< 0.1	100	3.2	7.4	1.2	5.3	1.7	2.6	0.4	2.6	85.4
162837 Dup	274	16.4	1.0	5.4	18.7	90.0	9	1.5	0.22	< 0.1	< 1	< 0.1	< 0.1	108	3.4	8.6	1.3	6.0	1.8	2.7	0.5	2.7	94.9
Method Blank	< 0.2	< 0.1	0.3	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.15	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2
Method Blank	5.9	< 0.1	0.7	< 0.2	< 0.1	1.7	< 1	< 0.1	0.12	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	4.1
Method Blank	< 0.2	< 0.1	0.3	< 0.2	< 0.1	0.5	< 1	< 0.1	0.26	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2

QC

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		0.3	2.0	0.3	< 0.1	124		0.35	676	2	2.6	33.2	0.0272	0.060	0.25
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257
DH-1a Meas											> 500	2410			
DH-1a Cert											910	2629			
GXR-4 Meas		0.1	0.9	0.1	0.4	29.3		2.42	41.0	8	13.8	5.4	0.290	0.132	1.78
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
SDC-1 Meas		0.5	3.0		< 0.1	< 0.1		0.58	20.4	16	14.1	3.0	0.122	0.055	
SDC-1 Cert		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas			1.3	0.2	< 0.1	< 0.1		1.35	76.6		4.0	1.3			
GXR-6 Cert			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
DNC-1a Meas			1.7						5.1	31			0.290		
DNC-1a Cert			2.0						6.3	31			0.29		
SBC-1 Meas		0.5	3.1	0.5	0.7	1.4		0.72	28.9	21	13.3	5.6	0.526		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SdAR-M2 (U.S.G.S.) Meas		0.4	2.4	0.4	< 0.1	0.2			695	5	10.5	2.3			
SdAR-M2 (U.S.G.S.) Cert		0.54	3.63	0.54	1.8	2.8			808	4.1	14.2	2.53			
162835 Orig	0.5	0.3	1.8	0.3	< 0.1	< 0.1	< 0.001	< 0.05	2.5	5	4.8	1.1	0.0925	0.012	0.03
162835 Dup	0.3	0.3	2.1	0.3	0.2	0.2	< 0.001	< 0.05	2.5	5	4.7	1.1	0.125	0.012	0.03
162837 Orig	0.3	0.3	1.7	0.2	< 0.1	< 0.1	< 0.001	0.11	26.4	48	0.4	< 0.1	0.341	0.024	0.07
162837 Dup	0.6	0.3	1.9	0.2	< 0.1	< 0.1	< 0.001	0.07	30.2	48	0.4	< 0.1	0.534	0.026	0.07
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Sep-15
Invoice No.: A15-07860-Au
Invoice Date: 25-Sep-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

The following analytical package was requested: Code 4C (1-10) Whole Rock Analysis-XRF
Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-07860-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Date Submitted: 17-Sep-15
Invoice No.: A15-07860-Au
Invoice Date: 25-Sep-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A15-07860-Au**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
163351	< 0.005
163352	< 0.005
163353	< 0.005
163354	< 0.005
163355	< 0.005
163356	< 0.005
163357	< 0.005
163358	< 0.005
163359	< 0.005

QC

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.423
OxD108 Cert	0.414
SG66 Meas	1.092
SG66 Cert	1.086
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 17-Sep-15
Invoice No.: A15-07860-ICP-XRF
Invoice Date: 09-Oct-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

9 Rock samples were submitted for analysis.

The following analytical package was requested: Code 4C (1-10) Whole Rock Analysis-XRF
Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-07860-ICP-XRF**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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

Results

Analyte Symbol	Na	Al2O3	CaO	Co3O4	Cr2O3	CuO	Fe2O3(T)	K2O	LOI	MgO	MnO	Na2O	NiO	P2O5	SiO2	TiO2	Total	V2O5	Li	Na	Mg	Al	K
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	%	%
Lower Limit	0.01	0.01	0.01	0.005	0.01	0.005	0.01	0.01		0.01	0.001	0.01	0.003	0.01	0.01	0.01	0.01	0.003	0.5	0.01	0.01	0.01	0.01
Method Code	TD-ICP	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
163351		13.90	2.21	< 0.005	< 0.01	< 0.005	3.62	2.23	3.00	1.32	0.047	3.67	< 0.003	0.12	68.48	0.46	99.06	0.006	9.2	2.87	0.82	6.33	2.31
163352		14.52	0.92	< 0.005	0.01	< 0.005	3.99	1.15	2.84	3.65	0.017	2.86	< 0.003	0.11	68.10	0.49	98.65	0.007	21.4	2.30	2.35	6.87	1.18
163353	4.55	11.81	0.33	< 0.005	< 0.01	< 0.005	1.83	0.37	0.63	0.74	0.014	5.69	< 0.003	0.01	77.12	0.11	98.67	< 0.003	5.0	> 3.00	0.48	5.85	0.36
163354	4.69	12.09	0.46	< 0.005	< 0.01	< 0.005	1.25	0.43	0.48	0.38	0.007	5.73	< 0.003	0.01	77.85	0.11	98.80	0.003	1.7	> 3.00	0.20	5.48	0.41
163355		13.35	0.44	< 0.005	< 0.01	< 0.005	2.64	1.41	1.83	2.22	0.026	3.50	< 0.003	0.07	73.13	0.32	98.94	0.003	7.8	2.83	1.43	6.55	1.48
163356	4.21	15.23	1.47	< 0.005	< 0.01	< 0.005	2.99	1.12	2.22	1.90	0.030	5.21	< 0.003	0.12	67.78	0.52	98.59	0.004	13.3	> 3.00	1.19	7.48	1.14
163357		14.80	9.55	0.007	0.01	0.012	12.99	0.15	2.20	7.19	0.203	2.72	0.009	0.07	49.29	0.98	100.2	0.048	4.4	2.14	4.69	6.93	0.07
163358		11.83	0.15	< 0.005	< 0.01	< 0.005	2.78	2.09	1.94	0.87	0.022	1.40	< 0.003	0.03	77.95	0.13	99.19	< 0.003	11.4	1.16	0.56	5.88	2.20
163359	4.14	14.28	0.79	< 0.005	< 0.01	< 0.005	3.55	0.91	1.43	1.36	0.025	5.16	< 0.003	0.11	71.31	0.45	99.38	0.005	7.1	> 3.00	0.85	6.44	0.91

Results

Analyte Symbol	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se	Zn	Ga	As	Rb	Y
Unit Symbol	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	0.1	0.2	0.1	0.1	0.2	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
163351	1.71	< 0.1	45	21.7	350	2.26	4.9	60	14.4	1.5	0.9	0.5	0.31	0.46	8.0	0.61	0.04	1.1	42.8	8.9	0.3	59.2	13.1
163352	0.69	< 0.1	48	37.8	172	2.58	5.2	50	15.8	2.0	0.7	0.6	0.20	0.47	9.0	0.95	0.13	3.5	14.1	10.4	1.8	25.2	18.2
163353	0.26	< 0.1	6	11.6	153	1.22	9.4	40	1.1	3.0	0.9	0.9	0.29	0.08	1.6	0.67	0.07	3.9	18.8	13.2	0.7	7.6	23.6
163354	0.35	< 0.1	9	17.9	112	0.81	8.0	30	3.5	2.3	0.9	0.7	1.09	0.06	2.0	0.33	0.05	2.5	6.1	11.8	1.0	6.2	19.2
163355	0.32	< 0.1	24	17.4	230	1.76	5.3	30	6.1	1.2	1.0	0.3	0.31	0.63	5.0	0.34	0.04	2.0	22.4	8.9	1.1	33.7	10.0
163356	1.13	< 0.1	33	27.0	284	2.00	4.5	40	14.6	2.3	1.0	0.7	0.14	0.34	6.4	0.94	0.26	2.5	25.0	13.5	0.3	29.3	21.8
163357	7.08	0.2	234	99.2	1440	8.32	1.0	10	92.5	2.2	< 0.1	0.7	0.14	0.06	47.6	0.68	< 0.02	3.2	98.1	15.0	0.6	1.3	18.8
163358	0.11	< 0.1	2	18.5	208	1.81	1.9	60	3.9	2.4	1.2	0.7	0.56	0.69	1.5	0.68	1.98	3.2	19.7	14.4	2.6	60.9	20.9
163359	0.57	< 0.1	45	28.4	232	2.32	5.2	40	14.7	2.0	0.7	0.7	0.26	0.39	6.9	0.88	0.06	2.0	30.3	12.9	1.7	20.8	21.5

Results

Analyte Symbol	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu	Ge	Tm	Yb	Lu	Ta
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	0.2	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	0.2	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
163351	115	102	2.2	0.77	< 0.1	1	< 0.1	< 0.1	303	27.8	54.7	6.0	21.9	3.2	2.7	0.4	2.2	30.0	< 0.1	< 0.1	1.3	< 0.1	0.2
163352	89.4	112	1.5	0.70	< 0.1	6	< 0.1	< 0.1	213	42.6	78.3	8.7	32.6	4.7	3.7	0.5	2.9	8.4	< 0.1	0.2	1.6	0.1	< 0.1
163353	78.9	181	16.1	0.25	< 0.1	1	< 0.1	< 0.1	72	37.1	79.9	8.3	30.3	4.6	3.8	0.6	3.9	1.9	< 0.1	0.3	2.8	0.3	1.1
163354	55.5	140	8.7	0.79	< 0.1	2	< 0.1	< 0.1	63	24.8	62.1	4.7	17.2	2.8	2.7	0.5	3.0	15.1	0.6	0.2	2.2	0.2	0.3
163355	114	111	8.3	0.19	< 0.1	2	< 0.1	< 0.1	215	13.9	33.4	3.1	11.6	1.7	1.5	0.3	1.4	5.9	0.1	< 0.1	1.1	< 0.1	0.8
163356	163	93	0.6	0.16	< 0.1	1	< 0.1	< 0.1	141	36.6	71.6	7.5	27.4	4.0	3.7	0.6	3.5	11.8	0.3	0.2	1.8	0.1	< 0.1
163357	114	17	0.5	0.15	< 0.1	< 1	0.2	< 0.1	17	3.4	8.4	1.1	6.4	1.7	2.6	0.4	2.9	113	0.4	0.2	1.8	0.1	< 0.1
163358	54.2	56	7.8	1.94	0.1	3	0.2	< 0.1	146	30.7	63.1	7.1	27.9	4.9	4.2	0.6	3.4	4.6	< 0.1	0.2	2.2	0.2	0.3
163359	110	111	6.9	0.71	< 0.1	1	< 0.1	< 0.1	155	17.3	32.0	3.7	14.6	3.0	3.6	0.5	3.0	8.5	0.2	0.1	1.4	< 0.1	0.8

Results

Analyte Symbol	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
163351	0.2	0.002	0.09	3.8	7	6.8	1.3	0.263	0.046	0.01
163352	0.3	0.003	< 0.05	1.6	8	7.5	1.6	0.243	0.048	< 0.01
163353	0.3	0.001	< 0.05	2.1	5	6.4	1.3	0.0850	0.005	< 0.01
163354	0.2	0.001	< 0.05	2.3	4	8.2	1.2	0.0781	0.004	< 0.01
163355	0.9	< 0.001	< 0.05	2.1	5	6.8	1.0	0.188	0.028	< 0.01
163356	< 0.1	< 0.001	< 0.05	3.3	8	8.6	1.3	0.161	0.046	< 0.01
163357	< 0.1	0.001	< 0.05	1.2	49	0.4	< 0.1	0.435	0.024	0.03
163358	0.4	0.001	0.09	4.1	5	5.7	1.4	0.102	0.008	0.01
163359	0.2	< 0.001	< 0.05	2.2	5	6.4	0.8	0.249	0.039	< 0.01

QC

Analyte Symbol	Na	Al2O3	CaO	Co3O4	Cr2O3	CuO	Fe2O3(T)	K2O	LOI	MgO	MnO	Na2O	NiO	P2O5	SiO2	TiO2	Total	V2O5	Li	Na	Mg	Al	K
Unit Symbol	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	%	%
Lower Limit	0.01	0.01	0.01	0.005	0.01	0.005	0.01	0.01		0.01	0.001	0.01	0.003	0.01	0.01	0.01	0.01	0.003	0.5	0.01	0.01	0.01	0.01
Method Code	TD-ICP	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	FUS-XRF	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-1 Meas																			12.1	0.08	0.41	5.40	0.07
GXR-1 Cert																			8.20	0.0520	0.217	3.52	0.050
DH-1a Meas																							
DH-1a Cert																							
MICA-FE Meas		19.57	0.40	< 0.005	0.01	< 0.005	25.64	8.64		4.63	0.339	0.29	0.005	0.41	34.08	2.55							
MICA-FE Cert		19.5	0.430	0.003	0.01	0.001	25.6	8.75		4.55	0.350	0.300	0.004	0.450	34.4	2.50							
GXR-4 Meas																			11.0	0.66	2.18	7.32	4.94
GXR-4 Cert																			11.1	0.564	1.66	7.20	4.01
SDC-1 Meas																			32.4	1.75	1.26	8.38	3.55
SDC-1 Cert																			34.00	1.52	1.02	8.34	2.72
GXR-6 Meas																			36.2	0.13	0.59	> 10.0	1.78
GXR-6 Cert																			32.0	0.104	0.609	17.7	1.87
AC-E Meas		14.34	0.34				2.50	4.45			0.056	6.77			71.13	0.11							
AC-E Cert		14.70	0.34				2.56	4.49			0.058	6.54			70.35	0.11							
SY-4 Meas	5.37																						
SY-4 Cert	5.27																						
ZW-C Meas		18.74	0.42				9.54	7.77		0.18	0.933	0.32		0.02	53.51	0.05							
ZW-C Cert		18.45	0.37				9.46	7.72		0.16	0.97	0.33		0.025	54.00	0.050							
STM-2 Meas	6.40																						
STM-2 Cert	6.61																						
NCS DC73304 (GBW 07106) Meas		3.70	0.28				3.24	0.63		0.06		0.08		0.23	88.90								
NCS DC73304 (GBW 07106) Cert		3.52	0.30				3.22	0.65		0.082		0.061		0.222	90.36								
DNC-1a Meas																			4.1				
DNC-1a Cert																			5.20				
SBC-1 Meas																			147				
SBC-1 Cert																			163.0				
SdAR-M2 (U.S.G.S.) Meas																			15.4				
SdAR-M2 (U.S.G.S.) Cert																			17.9				
163359 Orig	4.16	14.47	0.81	< 0.005	< 0.01	< 0.005	3.60	0.93	1.43	1.38	0.025	5.26	< 0.003	0.11	71.16	0.45	99.63	0.005	7.1	> 3.00	0.85	6.69	0.91
163359 Dup	4.13	14.09	0.78	< 0.005	< 0.01	< 0.005	3.51	0.89	1.42	1.33	0.024	5.07	< 0.003	0.10	71.46	0.45	99.13	0.006	7.1	> 3.00	0.85	6.19	0.91
Method Blank																			< 0.5	< 0.01	< 0.01	< 0.01	< 0.01
Method Blank																			< 0.5	< 0.01	< 0.01	< 0.01	< 0.01
Method Blank	< 0.01																						
Method Blank	< 0.01																						
Method Blank		< 0.01	< 0.01	< 0.005	< 0.01	< 0.005	< 0.01	< 0.01		< 0.01	< 0.001	< 0.01	< 0.003	< 0.01	< 0.01	< 0.01		< 0.003					

QC

Analyte Symbol	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se	Zn	Ga	As	Rb	Y
Unit Symbol	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	0.1	0.2	0.1	0.1	0.2	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
GXR-1 Meas	0.90	2.7	81	53.0	777	22.2	1.5	3200	39.6		0.8		31.7	2.71	7.1	0.50	1290	13.1	744	3.6	426	3.4	28.0
GXR-1 Cert	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6	760	13.8	427	14.0	32.0
DH-1a Meas																							
DH-1a Cert																							
MICA-FE Meas																							
MICA-FE Cert																							
GXR-4 Meas	1.11	0.5	99	60.5	161	3.06	2.1	120	43.3		2.0		4.27	2.70	14.3	1.31	21.8	2.7	76.8	18.1	117	146	14.3
GXR-4 Cert	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60	73.0	20.0	98.0	160	14.0
SDC-1 Meas	1.13		32	77.2	814	4.82	0.7	70	37.3	3.9	2.8	1.2		3.90	18.2	1.46			112	15.9	< 0.1	126	
SDC-1 Cert	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70			103.00	21.00	0.220	127.00	
GXR-6 Meas	0.17	< 0.1	161	96.8	857	4.31	4.1	100	22.1		0.9		0.32	3.21	11.4	0.34	0.16	0.3	115	26.2	274	46.9	6.9
GXR-6 Cert	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940	118	35.0	330	90.0	14.0
AC-E Meas																							
AC-E Cert																							
SY-4 Meas																							
SY-4 Cert																							
ZW-C Meas																							
ZW-C Cert																							
STM-2 Meas																							
STM-2 Cert																							
NCS DC73304 (GBW 07106) Meas																							
NCS DC73304 (GBW 07106) Cert																							
DNC-1a Meas			149	216					274						56.9	0.52			70.5	13.0		4.0	16.9
DNC-1a Cert			148.0000	270					247						57.0	0.59			70.0	15		5	18.0
SBC-1 Meas		0.4	218	117			5.0		89.5	3.7	3.0	1.2		7.91	22.3	1.64	0.72		215	19.0	29.6	143	32.0
SBC-1 Cert		0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70		186.0	27.0	25.7	147	36.5
SdAR-M2 (U.S.G.S.) Meas		6.4	28	50.2			4.4	1150	52.7	3.1	6.5	0.9		1.82	14.0	1.22	1.14		844	8.2		150	26.5
SdAR-M2 (U.S.G.S.) Cert		5.1	25.2	49.6			7.29	1440.00	48.8	3.58	6.6	1.21		1.82	12.4	1.44	1.05		760	17.6		149	32.7
163359 Orig	0.57	< 0.1	46	27.3	241	2.36	5.2	40	14.8	2.1	0.7	0.7	0.30	0.39	7.1	0.95	0.07	2.5	31.2	13.2	1.9	21.9	22.5
163359 Dup	0.57	< 0.1	44	29.6	224	2.28	5.3	40	14.5	1.9	0.7	0.6	0.22	0.40	6.8	0.81	0.04	1.6	29.5	12.7	1.4	19.7	20.5
Method Blank	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1
Method Blank	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu	Ge	Tm	Yb	Lu	Ta
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	0.2	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	0.2	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
GXR-1 Meas	285	40	1.1	16.4	0.8	20	15.5	8.3	682	8.3	15.5		8.4	2.3	3.6	0.6	4.0	938		0.2	1.9	0.1	< 0.1
GXR-1 Cert	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110		0.430	1.90	0.280	0.175
DH-1a Meas																							

Analyte Symbol	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu	Ge	Tm	Yb	Lu	Ta
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	0.2	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	0.2	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
DH-1a Cert																							
MICA-FE Meas																							
MICA-FE Cert																							
GXR-4 Meas	211	43	14.0	330	0.3	6	4.8	1.2	80	65.3	103		43.5	5.9	4.1	0.5	2.5	5940		< 0.1	1.0	< 0.1	1.1
GXR-4 Cert	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520		0.210	1.60	0.170	0.790
SDC-1 Meas	170	15	0.2			< 1	< 0.1		345	46.0	89.2		41.7	7.4	6.6	1.0	5.7	33.6		0.4	3.1		< 0.1
SDC-1 Cert	180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000		0.65	4.00		1.20
GXR-6 Meas	36.3	88	2.1	1.26	< 0.1	< 1	0.6	< 0.1	716	6.3	17.2		7.0	1.3	1.3	0.2	1.2	66.0			1.1	< 0.1	0.1
GXR-6 Cert	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0			2.40	0.330	0.485
AC-E Meas																							
AC-E Cert																							
SY-4 Meas																							
SY-4 Cert																							
ZW-C Meas																							
ZW-C Cert																							
STM-2 Meas																							
STM-2 Cert																							
NCS DC73304 (GBW 07106) Meas																							
NCS DC73304 (GBW 07106) Cert																							
DNC-1a Meas	137	40	1.4				0.4		56	4.1			4.9					104			1.7		
DNC-1a Cert	144.0	38.0	3				0.96		118	3.6			5.20					100.00			2.0		
SBC-1 Meas	169	118	17.0	2.78		3	1.0		414	54.4	99.9	12.3	48.2	8.2	7.3	1.0	5.7	38.5		0.4	3.1	0.3	1.3
SBC-1 Cert	178.0	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	31.0000		0.56	3.64	0.54	1.10
SdAR-M2 (U.S.G.S.) Meas	138	101	11.5	12.0					539	50.1	96.8	10.5	38.8	5.8	5.0	0.7	4.4	267		0.4	2.6	0.3	0.6
SdAR-M2 (U.S.G.S.) Cert	144	259	26.2	13.3					990	46.6	98.8	11.0	39.4	7.18	6.28	0.97	5.88	236.0000		0.54	3.63	0.54	1.8
163359 Orig	115	111	7.3	0.68	< 0.1	1	< 0.1	< 0.1	161	18.4	34.1	3.9	15.6	3.1	3.9	0.6	3.2	3.7	0.2	0.1	1.5	< 0.1	0.9
163359 Dup	105	111	6.4	0.74	< 0.1	1	< 0.1	< 0.1	149	16.2	30.0	3.5	13.6	2.8	3.4	0.5	2.8	13.4	0.2	0.1	1.4	< 0.1	0.7
Method Blank	< 0.2	< 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	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.2	< 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	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							

QC

Analyte Symbol	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	121		0.25	634	2	2.5	29.7	0.0346	0.055	0.22
GXR-1 Cert	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257
DH-1a Meas						> 500	2000			
DH-1a Cert						910	2629			
MICA-FE Meas										
MICA-FE Cert										
GXR-4 Meas	37.3		3.18	51.6	7	18.5	5.6	0.290	0.137	1.81

Analyte Symbol	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Cert	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
SDC-1 Meas	< 0.1		0.49	24.7	17	11.2	2.8	0.0818	0.056	
SDC-1 Cert	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas	0.2		1.63	85.5	22	2.6	0.9		0.031	0.01
GXR-6 Cert	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160
AC-E Meas										
AC-E Cert										
SY-4 Meas										
SY-4 Cert										
ZW-C Meas										
ZW-C Cert										
STM-2 Meas										
STM-2 Cert										
NCS DC73304 (GBW 07106) Meas										
NCS DC73304 (GBW 07106) Cert										
DNC-1a Meas				5.9	32			0.279		
DNC-1a Cert				6.3	31			0.29		
SBC-1 Meas	1.3		0.73	35.9	22	14.7	5.4	0.527		
SBC-1 Cert	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SdAR-M2 (U.S.G.S.) Meas	0.4			725	4	13.3	2.5			
SdAR-M2 (U.S.G.S.) Cert	2.8			808	4.1	14.2	2.53			
163359 Orig	0.2	< 0.001	< 0.05	2.3	5	6.8	0.9	0.249	0.042	< 0.01
163359 Dup	0.2	0.002	< 0.05	2.1	4	6.0	0.8	0.249	0.036	< 0.01
Method Blank	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank										
Method Blank										
Method Blank										

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Sep-15
Invoice No.: A15-08058-Au
Invoice Date: 14-Oct-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

60 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A15-08058-Au**

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
1010 Lorne Street Unit West 4, Sudbury, Ontario, Canada, P3C 4R9
TELEPHONE +705 586-3288 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Sudbury@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
162856	< 0.005
162857	< 0.005
162858	0.005
162859	< 0.005
162860	1.004
162861	< 0.005
162862	< 0.005
162863	0.013
162864	< 0.005
162865	< 0.005
162866	0.005
162867	0.005
162868	< 0.005
162869	0.005
162870	< 0.005
162871	< 0.005
162872	< 0.005
162873	< 0.005
162874	< 0.005
162875	< 0.005
162876	< 0.005
162877	< 0.005
162878	< 0.005
162879	< 0.005
162880	< 0.005
162881	< 0.005
162882	< 0.005
162883	0.005
162884	2.090
162885	< 0.005
162886	< 0.005
162887	< 0.005
162888	< 0.005
162889	< 0.005
162890	< 0.005
162891	< 0.005
162892	< 0.005
162893	0.006
162894	< 0.005
162895	0.005
162896	< 0.005
162897	0.005
162898	< 0.005
162899	< 0.005
162900	< 0.005
162901	< 0.005
162902	< 0.005
162903	< 0.005
162904	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
162905	0.005
162906	0.008
162951	< 0.005
162952	< 0.005
162953	< 0.005
162954	0.022
162955	0.005
162956	0.021
162957	0.005
162958	0.005
162959	< 0.005

QC

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.413
OxD108 Cert	0.414
OxD108 Meas	0.417
OxD108 Cert	0.414
SG66 Meas	1.098
SG66 Cert	1.086
SG66 Meas	1.109
SG66 Cert	1.086
162865 Orig	< 0.005
162865 Dup	< 0.005
162875 Orig	< 0.005
162875 Dup	< 0.005
162885 Orig	0.005
162885 Dup	< 0.005
162900 Orig	< 0.005
162900 Dup	< 0.005
162905 Split Orig	0.005
162905 Split	0.005
162953 Orig	< 0.005
162953 Dup	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Sep-15
Invoice No.: A15-08058-TD
Invoice Date: 27-Oct-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

60 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A15-08058-TD**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
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Date Submitted: 23-Sep-15
Invoice No.: A15-08058-TD
Invoice Date: 27-Oct-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

60 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-08058-TD**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

ACTIVATION LABORATORIES LTD.
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Results

Analyte Symbol	Na	Al	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	%	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Method Code	TD-ICP	TD-ICP	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
162856	3.54		2.5	> 3.00	2.11	9.53	0.03	3.39	< 0.1	278	229	1100	6.36	0.9	30	148	1.9	0.3	0.7	0.70	0.28	59.9	0.73
162857			0.8	0.30	0.36	0.65	0.05	1.27	< 0.1	18	48.0	337	1.64	< 0.1	90	8.8	0.1	< 0.1	< 0.1	1.17	0.09	4.0	0.10
162858	2.64		14.9	> 3.00	0.78	7.98	1.34	0.38	< 0.1	52	29.8	414	3.34	4.0	40	28.2	1.3	1.1	0.4	0.71	1.71	12.8	0.64
162859	3.10		8.7	> 3.00	0.28	7.84	1.20	0.93	< 0.1	30	11.7	310	1.71	1.9	40	7.5	0.6	1.0	0.2	0.44	1.35	6.3	0.45
162860			9.6	2.49	3.75	7.39	1.07	5.49	0.1	156	196	2720	10.9	3.3	20	180	2.2	1.2	0.9	0.58	2.18	48.8	1.60
162861			13.9	1.48	4.39	8.77	0.04	7.70	0.1	257	234	2010	9.82	0.3	10	208	1.6	0.2	0.6	0.29	0.11	63.1	0.58
162862			26.9	2.00	4.36	8.28	0.03	5.22	< 0.1	234	155	1550	9.66	0.6	< 10	120	2.1	0.3	0.7	0.18	0.11	57.4	0.71
162863			19.6	1.50	3.41	7.76	1.04	4.22	0.1	296	117	1650	10.7	1.4	10	111	0.6	0.3	0.2	0.17	0.96	53.2	0.43
162864			18.8	1.36	2.51	6.27	0.40	3.58	0.1	140	168	995	9.96	2.3	30	61.0	1.2	0.1	0.4	0.15	0.56	47.7	0.59
162865			12.6	2.73	2.75	7.59	1.02	6.12	0.3	237	53.3	1900	12.0	3.0	20	47.8	3.8	1.1	1.3	0.14	1.61	52.1	1.37
162866			23.6	1.51	3.28	7.48	0.99	8.10	0.2	214	241	2440	8.39	0.8	< 10	171	1.5	0.2	0.5	0.52	0.79	53.8	0.49
162867			31.9	1.51	3.50	8.99	0.37	3.78	0.7	187	208	2080	10.8	0.4	60	161	2.5	0.5	0.9	0.50	1.69	66.1	0.97
162868			26.5	0.61	5.08	9.20	0.10	3.91	< 0.1	275	260	1650	11.4	0.4	20	194	2.0	0.3	0.7	0.27	0.46	63.5	0.60
162869	2.75		18.5	> 3.00	2.95	9.69	0.50	4.24	0.2	275	302	1640	7.74	0.2	20	217	1.8	0.3	0.7	0.20	0.40	58.6	0.67
162870			46.6	2.05	3.32	8.05	0.14	6.95	< 0.1	222	212	2360	9.54	0.1	< 10	174	1.8	0.4	0.6	0.13	0.38	57.4	0.54
162871			6.5	1.21	3.05	7.91	0.03	7.71	0.2	231	80.0	5310	8.53	0.3	10	82.9	1.6	0.6	0.6	0.11	0.14	41.5	0.61
162872	2.86		24.7	> 3.00	1.39	9.90	1.40	3.89	0.1	79	28.6	824	5.47	2.5	10	12.8	2.9	2.5	1.0	0.24	1.43	21.1	1.45
162873			8.4	1.52	3.12	7.51	0.08	5.14	0.2	129	89.0	2300	12.0	0.2	30	66.6	4.3	0.7	1.5	0.13	0.91	50.9	1.36
162874			9.4	< 0.01	6.99	6.61	< 0.01	2.71	< 0.1	193	734	1350	10.6	1.4	30	297	0.6	0.2	0.2	0.08	0.12	69.6	0.23
162875	3.32		15.7	> 3.00	2.38	9.06	0.34	3.49	0.8	260	349	1500	8.62	1.2	80	189	2.1	0.4	0.8	0.20	0.43	62.3	0.73
162876			12.9	2.57	2.97	5.92	0.06	7.00	< 0.1	394	34.3	1860	10.7	1.4	20	31.0	1.2	0.5	0.4	0.11	0.21	52.2	0.74
162877			37.2	1.18	3.78	8.56	0.57	7.76	< 0.1	239	306	1860	9.77	1.6	20	220	2.1	0.3	0.8	0.10	0.90	61.6	0.74
162878			54.1	2.57	3.99	8.57	0.38	2.64	< 0.1	293	141	1900	10.7	1.2	10	121	1.8	0.3	0.7	0.12	2.16	62.6	0.62
162879			16.6	1.59	2.20	8.38	0.21	7.53	0.4	250	203	2080	9.35	0.5	< 10	200	1.9	0.3	0.7	0.11	0.99	61.1	0.68
162880	2.80		14.5	> 3.00	1.40	8.01	0.79	1.39	< 0.1	51	54.5	246	3.24	3.0	< 10	26.8	1.4	1.1	0.5	0.16	0.36	11.3	0.69
162881	2.82		21.6	> 3.00	0.57	8.65	1.40	1.32	< 0.1	47	36.3	595	3.41	2.1	< 10	9.6	0.9	0.9	0.3	0.11	0.95	9.6	0.55
162882			11.8	2.30	0.70	8.11	1.22	1.54	< 0.1	58	21.9	435	3.15	2.1	10	10.6	0.8	1.3	0.3	0.06	0.98	9.8	0.85
162883			14.0	2.20	0.69	8.46	1.82	1.82	< 0.1	72	25.9	385	2.99	3.1	< 10	10.8	0.8	1.3	0.3	0.10	2.05	11.1	0.71
162884			10.0	1.98	3.21	6.42	0.84	4.86	0.2	108	214	4240	12.7	1.4	20	156	2.3	1.2	0.9	0.32	3.50	42.6	1.59
162885			7.7	1.34	0.51	3.59	0.81	0.52	< 0.1	29	28.0	300	2.24	0.7	30	7.5	0.4	0.5	0.2	0.09	0.52	8.0	0.31
162886			10.2	1.42	3.23	8.59	0.02	7.07	0.1	213	286	1550	8.05	0.3	20	174	2.1	0.3	0.8	0.05	< 0.05	57.3	0.76
162887			5.7	2.72	2.37	9.58	0.08	7.22	< 0.1	185	216	1950	9.02	0.3	20	189	2.2	0.4	0.8	0.06	0.13	67.6	0.81
162888			8.7	1.81	4.57	8.26	0.06	7.31	0.1	245	164	1460	10.5	0.5	< 10	125	2.0	0.3	0.7	0.07	0.20	57.1	0.72
162889	2.83		17.6	> 3.00	0.82	8.08	1.81	1.33	< 0.1	69	26.3	422	3.55	2.2	< 10	15.3	0.7	1.4	0.3	0.08	2.71	10.5	0.68
162890			18.3	0.76	0.86	3.73	0.65	1.14	< 0.1	18	19.2	279	1.65	0.6	< 10	7.8	0.6	0.8	0.3	0.08	0.29	3.6	0.48
162891	3.26		8.9	> 3.00	0.60	7.11	0.86	0.18	< 0.1	< 1	9.8	66	0.67	4.9	< 10	1.6	1.9	1.1	0.6	0.18	0.27	1.2	0.32
162892			19.1	2.47	1.24	6.92	1.16	0.16	< 0.1	< 1	8.5	97	1.31	5.2	< 10	1.8	2.2	0.9	0.8	0.17	0.95	2.1	0.49
162893			53.1	2.23	2.61	8.41	0.70	0.54	< 0.1	251	66.0	647	9.36	3.4	< 10	56.6	2.5	0.6	0.8	0.07	0.45	35.1	0.47
162894	3.74		13.6	> 3.00	0.67	7.73	0.70	0.50	< 0.1	47	18.8	202	2.49	3.9	< 10	16.8	1.0	1.0	0.3	0.09	0.42	8.1	0.39
162895			23.2	2.11	2.26	8.79	0.78	4.44	< 0.1	195	217	1360	6.43	0.8	20	220	0.7	0.3	0.3	< 0.05	0.54	60.6	0.50
162896	2.89		24.1	> 3.00	1.28	9.71	1.41	3.59	< 0.1	92	26.1	826	5.22	3.6	20	11.8	2.8	2.5	1.0	0.06	1.27	18.9	1.39
162897	3.51		18.3	> 3.00	0.72	7.26	1.00	0.36	< 0.1	42	31.5	158	2.62	4.0	20	18.8	0.9	1.0	0.3	0.18	0.47	12.2	0.54
162898	3.29	10.1	27.3	> 3.00	1.00	> 10.0	1.05	0.34	< 0.1	82	27.8	190	3.42	5.3	30	17.1	1.2	1.7	0.4	0.06	0.99	12.2	0.65
162899	2.90	8.69	26.5	> 3.00	2.68	> 10.0	1.24	0.64	0.1	193	173	1420	8.93	1.7	20	171	0.9	0.8	0.3	< 0.05	0.96	53.0	0.59
162900			17.4	2.53	0.65	8.95	1.39	1.79	< 0.1	40	23.5	363	2.17	2.1	10	12.2	0.4	0.9	0.2	0.05	1.55	6.8	0.51
162901			18.1	1.29	3.68	8.88	0.08	5.32	0.1	189	217	1450	7.75	0.2	< 10	185	2.0	0.4	0.8	< 0.05	0.35	53.3	0.78
162902			29.1	1.36	5.31	6.74	0.21	4.05	0.1	211	427	1240	8.90	1.2	< 10	177	1.8	0.3	0.7	< 0.05	1.06	57.7	0.48
162903			8.9	1.14	3.37	7.06	0.11	4.99	0.1	154	119	2450	12.7	0.4	< 10	73.7	3.7	0.5	1.3	< 0.05	1.30	55.1	1.13
162904			4.9	1.03	3.09	5.96	0.22	5.57	< 0.1	519	12.6	2100	15.8	0.9	< 10	21.3	3.0	0.5	1.1	< 0.05	0.61	71.4	1.07

Analyte Symbol	Na	Al	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	%	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Method Code	TD-ICP	TD-ICP	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
162905			12.4	1.33	3.19	8.09	0.18	7.62	< 0.1	226	296	1610	8.03	0.5	40	179	1.6	0.2	0.5	0.28	0.54	53.0	0.55
162906			28.3	0.88	3.33	8.19	0.94	3.57	0.1	261	223	1480	10.1	1.4	10	142	0.6	0.2	0.2	0.20	0.89	56.9	0.48
162951	3.02		10.7	> 3.00	0.69	8.24	1.09	2.05	< 0.1	52	43.9	358	2.77	2.5	30	12.8	0.6	1.4	0.2	0.20	1.42	8.3	0.72
162952			1.3	2.44	0.07	3.29	0.36	0.14	< 0.1	11	22.2	77	0.77	0.3	20	3.3	< 0.1	0.5	< 0.1	0.10	0.15	1.8	0.06
162953	3.27		12.9	> 3.00	0.84	9.56	1.12	1.47	< 0.1	78	16.0	496	3.60	6.3	20	12.7	4.1	1.5	1.5	0.11	0.95	13.3	1.32
162954			18.2	2.52	1.01	7.25	0.96	0.78	< 0.1	22	22.1	583	4.84	2.8	20	14.5	4.0	1.2	1.3	0.19	0.83	17.1	0.74
162955			5.8	2.84	0.24	5.61	0.83	0.39	< 0.1	19	21.4	220	1.56	2.4	20	7.6	1.3	1.0	0.4	0.20	0.48	4.4	0.16
162956			14.4	2.67	0.51	6.22	0.71	0.52	< 0.1	60	63.6	463	3.07	3.1	60	27.4	1.2	1.0	0.4	0.49	0.78	14.2	0.42
162957	3.04		15.5	> 3.00	0.74	7.82	1.44	1.39	< 0.1	37	17.6	405	2.58	2.3	50	13.5	0.6	1.3	0.2	0.30	1.84	10.0	0.55
162958			9.8	1.41	0.26	3.77	0.48	0.25	< 0.1	28	26.4	197	1.87	0.2	40	8.5	0.3	0.4	< 0.1	0.23	0.50	4.3	0.10
162959			9.3	2.95	0.49	5.79	0.72	1.10	< 0.1	35	43.0	379	2.30	0.4	30	16.6	0.7	0.7	0.2	0.18	0.56	8.1	0.49

Results

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb
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	0.2	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
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
162856	0.02	< 0.1	104	21.8	9.8	2.2	17.4	102	24	1.8	0.18	< 0.1	< 1	1.9	< 0.1	18	3.6	10.1	1.4	6.0	2.0	2.6	0.5
162857	< 0.02	< 0.1	8.6	1.1	10.0	1.7	1.2	11.5	2	0.2	0.62	< 0.1	< 1	2.3	< 0.1	7	0.3	0.8	0.1	0.6	0.2	0.2	< 0.1
162858	0.42	< 0.1	58.1	8.1	2.4	32.6	12.2	179	111	3.0	0.19	< 0.1	1	0.3	< 0.1	358	15.4	35.0	3.6	12.5	2.7	2.1	0.3
162859	0.28	< 0.1	37.6	4.5	2.2	29.4	5.9	305	66	2.1	0.29	< 0.1	< 1	0.5	< 0.1	460	13.3	26.6	3.0	10.0	1.9	1.3	0.2
162860	0.07	< 0.1	145	9.9	513	24.1	22.4	361	114	7.1	2.41	< 0.1	1	0.6	< 0.1	317	20.7	37.4	5.3	20.7	5.3	5.1	0.8
162861	< 0.02	< 0.1	99.7	14.2	0.8	1.1	14.9	83.9	6	1.0	0.12	< 0.1	< 1	0.4	< 0.1	23	1.9	5.2	0.8	4.1	1.5	2.1	0.4
162862	< 0.02	< 0.1	116	17.9	2.1	0.8	19.1	70.9	17	0.4	0.06	< 0.1	< 1	0.4	< 0.1	14	1.7	4.1	0.7	3.6	1.7	2.6	0.5
162863	< 0.02	< 0.1	132	14.4	152	29.1	5.0	64.6	43	1.0	0.16	< 0.1	< 1	1.0	< 0.1	55	2.6	7.1	1.2	5.3	1.8	1.4	0.2
162864	0.03	< 0.1	113	16.6	41.2	12.3	9.9	52.8	68	1.0	0.37	< 0.1	< 1	2.2	< 0.1	53	3.9	10.8	1.7	8.2	2.6	2.3	0.3
162865	0.05	< 0.1	150	11.7	< 0.1	38.9	35.3	183	93	0.2	0.19	0.1	< 1	< 0.1	< 0.1	307	15.9	34.6	4.7	18.5	5.0	5.4	0.9
162866	0.03	< 0.1	81.0	11.0	74.0	27.1	13.7	109	24	0.7	0.39	< 0.1	< 1	4.2	< 0.1	95	1.8	4.4	0.7	3.5	1.3	1.8	0.3
162867	0.03	< 0.1	440	17.3	6.8	13.2	23.5	164	13	< 0.1	0.21	0.2	1	0.8	< 0.1	110	5.6	13.7	1.9	8.7	2.7	3.3	0.6
162868	0.03	< 0.1	146	19.1	17.0	2.5	17.8	99.5	11	1.3	0.29	< 0.1	< 1	0.9	< 0.1	36	3.7	9.1	1.4	6.3	2.1	2.6	0.4
162869	< 0.02	< 0.1	98.4	15.1	13.7	15.8	16.3	127	4	0.8	0.15	< 0.1	< 1	0.3	< 0.1	102	2.1	5.7	0.9	4.5	1.6	2.3	0.4
162870	< 0.02	< 0.1	113	15.1	9.5	2.9	16.4	78.4	2	0.3	0.15	< 0.1	< 1	0.5	< 0.1	39	2.1	5.7	0.9	4.2	1.6	2.2	0.4
162871	< 0.02	< 0.1	132	16.4	0.5	0.9	15.1	124	6	0.4	0.14	< 0.1	< 1	0.3	< 0.1	30	2.4	6.2	0.9	4.4	1.7	2.1	0.4
162872	0.03	< 0.1	113	0.7	< 0.1	45.9	28.1	588	76	0.3	0.06	< 0.1	< 1	< 0.1	< 0.1	763	25.4	55.9	7.4	28.2	6.7	5.5	0.9
162873	0.02	< 0.1	170	20.7	2.9	3.7	39.7	99.6	4	0.1	0.05	0.1	< 1	< 0.1	< 0.1	29	7.8	20.1	3.1	14.0	4.6	5.8	1.0
162874	< 0.02	< 0.1	166	12.7	1.5	0.3	4.5	17.3	42	0.1	0.13	< 0.1	< 1	0.1	< 0.1	31	2.6	6.9	1.1	4.8	1.5	1.2	0.2
162875	< 0.02	< 0.1	253	14.2	14.8	6.9	19.0	134	37	1.2	0.13	< 0.1	< 1	1.1	< 0.1	182	2.7	7.0	1.0	5.1	1.9	2.5	0.5
162876	< 0.02	< 0.1	83.3	17.7	2.8	2.1	10.2	97.2	46	< 0.1	< 0.05	< 0.1	< 1	0.1	< 0.1	70	4.5	10.9	1.6	7.5	2.5	2.3	0.3
162877	< 0.02	< 0.1	92.5	10.8	11.9	11.7	18.6	184	45	0.2	0.07	< 0.1	< 1	0.5	< 0.1	223	3.8	8.9	1.3	6.1	2.1	2.6	0.5
162878	< 0.02	< 0.1	132	18.6	21.2	9.7	16.6	75.8	35	0.8	0.24	< 0.1	< 1	0.3	< 0.1	67	3.8	9.4	1.5	6.6	2.2	2.6	0.4
162879	0.02	< 0.1	225	16.0	18.6	11.2	17.5	202	12	0.6	0.54	< 0.1	< 1	1.8	< 0.1	95	3.0	7.6	1.2	5.5	2.0	2.5	0.4
162880	0.22	< 0.1	15.8	11.3	1.8	16.1	13.6	138	83	4.9	0.97	< 0.1	3	0.4	< 0.1	233	23.9	50.5	5.6	18.7	3.6	2.5	0.4
162881	0.16	< 0.1	64.2	10.4	1.2	29.3	8.6	200	58	2.3	0.57	< 0.1	< 1	0.1	< 0.1	360	18.0	37.5	4.2	13.8	2.3	1.7	0.2
162882	0.16	< 0.1	56.5	< 0.1	1.5	26.7	8.8	233	60	0.3	0.11	< 0.1	< 1	< 0.1	< 0.1	1050	19.8	40.4	4.9	17.1	3.4	2.2	0.3
162883	0.23	< 0.1	61.6	< 0.1	14.2	44.7	7.7	222	90	2.1	0.24	< 0.1	< 1	0.4	< 0.1	1100	17.2	34.6	4.2	14.9	2.9	2.0	0.3
162884	0.11	< 0.1	159	15.4	1080	20.7	23.0	290	50	3.1	0.88	< 0.1	1	1.1	< 0.1	85	21.6	36.3	5.6	22.0	5.7	5.4	0.8
162885	0.15	< 0.1	49.7	1.2	4.4	20.4	4.3	98.1	27	1.4	0.75	< 0.1	< 1	0.4	< 0.1	281	6.5	13.8	1.7	5.8	1.2	0.9	0.1
162886	< 0.02	< 0.1	91.5	19.2	4.0	0.5	18.9	141	7	0.1	0.06	< 0.1	< 1	0.2	< 0.1	14	3.5	8.8	1.3	6.2	2.0	2.7	0.5
162887	0.03	< 0.1	107	19.3	0.8	1.4	19.3	137	5	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	29	3.3	8.3	1.3	6.0	2.1	2.8	0.5
162888	0.02	< 0.1	104	17.9	8.2	1.6	18.1	132	10	0.7	0.43	< 0.1	< 1	0.7	< 0.1	17	2.5	6.6	1.0	5.1	1.9	2.6	0.4
162889	0.09	< 0.1	66.4	< 0.1	2.2	51.0	7.2	352	65	0.8	0.22	< 0.1	< 1	0.3	< 0.1	916	15.7	30.9	3.8	13.5	2.7	1.9	0.3
162890	1.50	< 0.1	12.3	5.4	1.3	14.5	6.8	55.7	24	2.2	2.02	< 0.1	2	0.2	< 0.1	94	16.0	33.3	3.7	12.3	2.4	1.7	0.2
162891	0.06	< 0.1	5.3	13.3	0.5	17.7	17.8	65.8	117	8.3	0.19	< 0.1	2	< 0.1	< 0.1	170	7.9	23.8	2.1	7.1	1.9	1.9	0.4
162892	0.03	< 0.1	10.8	3.4	0.3	23.8	20.9	50.7	126	7.9	0.37	< 0.1	2	< 0.1	< 0.1	426	28.1	58.7	6.9	22.8	4.6	3.3	0.5
162893	2.63	< 0.1	88.6	20.6	1.4	19.0	22.7	47.4	91	1.0	3.56	< 0.1	4	0.1	< 0.1	153	13.1	30.1	3.3	11.8	2.7	2.6	0.5
162894	0.05	< 0.1	20.5	7.9	0.6	18.8	9.4	94.2	105	3.7	0.19	< 0.1	3	0.2	< 0.1	350	11.7	32.0	3.0	10.5	2.1	1.7	0.3
162895	0.02	< 0.1	90.3	11.0	6.0	22.9	5.5	84.8	22	< 0.1	0.13	< 0.1	< 1	< 0.1	< 0.1	167	2.0	5.1	0.8	3.8	1.3	1.6	0.2
162896	0.03	< 0.1	101	1.2	< 0.1	59.6	26.5	537	109	0.8	0.15	< 0.1	< 1	< 0.1	< 0.1	736	24.4	52.6	6.8	26.3	6.2	5.3	0.8
162897	0.48	< 0.1	30.7	4.3	1.0	24.0	9.4	143	109	6.4	1.55	< 0.1	2	0.2	< 0.1	419	21.7	43.5	4.8	15.9	2.9	2.1	0.3
162898	0.11	< 0.1	47.3	< 0.1	0.5	28.0	10.9	154	147	1.0	2.55	< 0.1	4	0.5	< 0.1	864	23.0	54.6	5.5	18.3	3.5	2.3	0.3
162899	0.12	< 0.1	122	2.8	65.1	26.9	8.3	182	50	0.4	0.29	< 0.1	< 1	0.2	< 0.1	577	9.0	21.4	2.4	9.3	2.3	1.8	0.3
162900	0.04	< 0.1	33.6	11.1	28.9	36.0	4.2	251	61	1.2	0.32	< 0.1	< 1	0.3	< 0.1	328	11.0	22.9	2.8	9.9	1.7	1.1	0.2
162901	0.03	< 0.1	127	18.8	3.8	2.2	18.1	145	5	0.2	< 0.05	< 0.1	< 1	0.8	< 0.1	17	3.6	9.1	1.4	6.4	2.3	2.7	0.5
162902	0.02	< 0.1	91.5	13.1	2.3	4.7	16.3	63.0	36	0.6	0.38	< 0.1	< 1	0.2	< 0.1	54	2.4	6.4	1.0	4.6	1.7	2.2	0.4
162903	0.02	< 0.1	157	19.1	0.8	6.6	32.1	102	8	0.2	0.08	< 0.1	< 1	0.2	< 0.1	25	6.4	16.7	2.6	11.6	4.1	4.8	0.9
162904	< 0.02	< 0.1	149	20.5	< 0.1	3.2	26.4	71.6	22	< 0.1	0.10	0.1	< 1	< 0.1	< 0.1	35	5.8	13.4	2.0	9.0	3.1	3.9	0.7

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb
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	0.2	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
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
162905	0.07	< 0.1	80.9	14.9	1.7	5.9	14.1	128	10	0.2	0.32	< 0.1	< 1	0.3	< 0.1	41	2.8	6.6	1.0	4.4	1.5	2.0	0.4
162906	0.02	< 0.1	106	11.2	162	29.4	4.9	69.2	38	0.8	0.15	< 0.1	< 1	0.2	< 0.1	211	2.3	6.1	1.0	4.6	1.5	1.4	0.2
162951	0.15	< 0.1	63.2	< 0.1	6.4	29.9	6.4	403	78	2.0	0.47	< 0.1	< 1	0.2	< 0.1	777	16.6	34.1	4.1	14.7	2.9	1.9	0.2
162952	0.02	< 0.1	7.9	2.7	5.4	7.9	0.9	109	12	0.6	1.37	< 0.1	< 1	0.2	< 0.1	96	1.6	2.8	0.4	1.2	0.2	0.2	< 0.1
162953	0.30	< 0.1	76.4	< 0.1	1.5	26.2	37.9	348	172	1.7	0.61	< 0.1	2	0.1	< 0.1	843	15.9	41.3	5.9	24.4	6.9	6.4	1.0
162954	1.06	< 0.1	96.8	3.9	1.8	24.3	33.4	131	64	0.4	0.55	< 0.1	< 1	< 0.1	< 0.1	597	16.3	35.4	4.4	16.1	4.3	4.1	0.8
162955	0.28	< 0.1	43.3	4.8	1.7	19.9	11.2	93.8	36	7.3	6.65	< 0.1	2	0.2	< 0.1	356	6.8	15.5	1.8	6.5	1.6	1.5	0.3
162956	0.39	< 0.1	46.7	8.3	6.0	23.3	11.1	116	80	3.4	4.62	< 0.1	1	0.1	< 0.1	286	14.5	31.3	3.2	11.1	2.3	2.0	0.3
162957	0.08	< 0.1	58.1	< 0.1	0.9	36.2	6.0	352	67	0.3	0.25	< 0.1	< 1	< 0.1	< 0.1	930	12.4	25.9	3.1	11.1	2.3	1.6	0.2
162958	0.06	< 0.1	34.5	5.1	3.9	12.3	2.6	105	6	1.1	1.52	< 0.1	< 1	0.2	< 0.1	182	1.8	6.7	0.4	1.6	0.3	0.3	< 0.1
162959	0.10	< 0.1	44.7	5.0	2.1	17.3	6.4	195	15	1.2	1.19	< 0.1	< 1	0.3	< 0.1	278	15.3	31.3	3.6	11.6	2.0	1.3	0.2

Results

Analyte Symbol	Dy	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
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-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
162856	3.1	97.9	1.7	0.3	1.5	0.2	0.1	< 0.1	< 0.001	< 0.05	0.9	47	0.5	0.1	0.579	0.022	0.01
162857	0.2	22.7	< 0.1	< 0.1	0.1	< 0.1	< 0.1	0.1	< 0.001	< 0.05	< 0.5	3	< 0.1	0.3	0.0312	0.008	0.04
162858	2.2	17.9	< 0.1	0.2	1.3	0.2	< 0.1	0.2	< 0.001	0.15	3.2	8	4.4	1.1	0.222	0.027	0.02
162859	1.1	19.6	0.1	< 0.1	0.6	0.1	0.2	< 0.1	< 0.001	0.23	5.9	5	3.4	0.8	0.139	0.024	0.04
162860	4.5	109	< 0.1	0.3	1.6	0.3	0.1	0.2	< 0.001	0.09	4.4	19	4.1	1.2	0.841	0.162	0.82
162861	2.6	97.8	0.5	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	44	0.2	< 0.1	0.440	0.017	0.05
162862	3.3	57.4	0.3	0.3	1.8	0.2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	44	0.4	< 0.1	0.394	0.025	< 0.01
162863	1.0	127	0.4	< 0.1	0.7	0.1	< 0.1	< 0.1	< 0.001	0.09	< 0.5	45	0.3	< 0.1	0.454	0.027	0.13
162864	1.9	363	0.7	0.2	1.2	0.2	< 0.1	< 0.1	< 0.001	0.08	0.7	36	0.5	0.2	0.393	0.041	1.27
162865	6.1	148	0.1	0.6	3.3	0.5	< 0.1	< 0.1	0.002	0.18	5.4	42	3.5	0.9	0.438	0.072	0.11
162866	2.3	181	0.5	0.2	1.3	0.2	< 0.1	0.1	< 0.001	0.11	1.7	34	0.2	< 0.1	0.331	0.020	0.17
162867	4.0	167	0.2	0.4	2.1	0.3	< 0.1	< 0.1	0.002	0.08	4.6	44	0.8	0.2	0.292	0.037	0.29
162868	3.1	117	0.4	0.3	1.7	0.3	< 0.1	< 0.1	< 0.001	< 0.05	0.6	43	0.4	0.5	0.556	0.030	0.17
162869	2.9	139	0.5	0.3	1.5	0.2	< 0.1	< 0.1	< 0.001	0.06	< 0.5	47	0.2	< 0.1	0.471	0.021	0.06
162870	2.8	115	0.2	0.3	1.5	0.2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	41	0.3	0.6	0.386	0.023	0.02
162871	2.6	61.6	0.3	0.2	1.3	0.2	< 0.1	< 0.1	< 0.001	< 0.05	0.5	35	0.3	< 0.1	0.353	0.021	< 0.01
162872	5.3	28.0	< 0.1	0.4	2.4	0.4	< 0.1	< 0.1	< 0.001	0.39	12.7	15	4.4	1.4	0.251	0.107	0.13
162873	6.9	63.9	0.2	0.6	3.5	0.5	< 0.1	< 0.1	< 0.001	< 0.05	1.3	44	0.9	0.2	0.260	0.062	0.10
162874	0.9	9.8	0.2	< 0.1	0.7	0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	38	0.3	0.1	0.238	0.025	< 0.01
162875	3.4	126	0.9	0.3	1.9	0.3	< 0.1	0.1	< 0.001	< 0.05	51.8	43	0.3	0.1	0.309	0.028	0.15
162876	2.0	7.2	< 0.1	0.2	1.2	0.2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	48	0.5	< 0.1	0.254	0.023	< 0.01
162877	3.3	149	0.2	0.3	1.9	0.3	< 0.1	< 0.1	< 0.001	< 0.05	1.8	50	0.8	0.4	0.308	0.024	0.03
162878	3.0	139	0.4	0.3	1.6	0.2	< 0.1	< 0.1	0.002	< 0.05	2.2	46	0.4	0.1	0.550	0.028	0.12
162879	3.1	158	0.3	0.3	1.7	0.2	< 0.1	< 0.1	0.001	< 0.05	6.2	44	0.4	0.1	0.474	0.026	0.33
162880	2.4	6.8	0.1	0.2	1.3	0.2	0.4	0.6	< 0.001	< 0.05	1.3	8	7.0	1.2	0.173	0.044	< 0.01
162881	1.5	15.5	< 0.1	0.1	0.8	0.1	0.2	0.2	< 0.001	0.14	3.3	5	4.1	0.8	0.103	0.039	0.03
162882	1.7	7.3	< 0.1	0.1	0.7	< 0.1	< 0.1	< 0.1	< 0.001	0.28	7.8	8	4.0	1.3	0.221	0.062	< 0.01
162883	1.5	20.4	< 0.1	0.1	0.7	0.1	< 0.1	1.4	< 0.001	0.49	6.3	9	3.4	1.3	0.285	0.067	0.17
162884	4.5	152	< 0.1	0.3	1.8	0.3	< 0.1	0.3	< 0.001	0.12	6.4	17	4.4	1.5	0.550	0.202	1.72
162885	0.8	30.0	< 0.1	< 0.1	0.4	< 0.1	0.1	0.1	< 0.001	0.12	1.4	4	1.9	0.5	0.192	0.052	0.02
162886	3.4	97.2	0.2	0.3	1.7	0.2	< 0.1	< 0.1	0.001	< 0.05	1.2	44	0.4	0.1	0.337	0.026	0.14
162887	3.4	155	0.2	0.3	1.8	0.3	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	49	0.4	0.1	0.289	0.023	0.12
162888	3.1	128	0.3	0.3	1.7	0.3	< 0.1	< 0.1	< 0.001	< 0.05	0.6	43	0.2	< 0.1	0.482	0.024	0.17
162889	1.4	15.1	< 0.1	0.1	0.6	< 0.1	< 0.1	< 0.1	< 0.001	0.40	16.9	8	3.0	1.1	0.273	0.057	< 0.01
162890	1.4	36.8	0.1	< 0.1	0.6	0.1	< 0.1	0.6	< 0.001	0.06	1.8	3	4.5	0.9	0.0987	0.011	< 0.01
162891	2.9	2.4	< 0.1	0.3	1.9	0.3	0.9	0.3	< 0.001	0.05	1.1	3	7.5	1.8	0.0528	0.003	< 0.01
162892	3.5	3.1	< 0.1	0.3	2.1	0.3	0.9	0.5	< 0.001	0.11	1.1	3	8.7	2.2	0.0658	0.004	< 0.01
162893	3.5	205	< 0.1	0.4	2.3	0.4	< 0.1	2.3	< 0.001	0.09	5.9	32	3.1	1.1	0.550	0.048	0.36
162894	1.7	10.4	0.2	0.1	0.9	0.2	0.3	0.4	< 0.001	0.10	1.6	8	7.6	1.0	0.226	0.034	< 0.01
162895	1.3	119	0.2	0.1	0.7	0.1	< 0.1	< 0.1	< 0.001	0.11	< 0.5	42	0.3	< 0.1	0.220	0.019	0.09
162896	5.1	29.2	< 0.1	0.4	2.3	0.4	< 0.1	< 0.1	< 0.001	0.37	12.3	13	3.6	1.5	0.310	0.097	0.10
162897	1.8	90.1	< 0.1	0.1	0.9	0.2	0.3	0.8	< 0.001	0.15	3.3	7	7.7	1.3	0.256	0.030	0.26
162898	2.2	25.8	< 0.1	0.2	1.1	0.2	< 0.1	< 0.1	< 0.001	0.28	3.7	11	10.9	1.9	0.324	0.064	0.10
162899	1.7	156	0.3	0.1	0.8	0.1	< 0.1	< 0.1	< 0.001	0.17	4.9	31	2.0	0.6	0.346	0.032	0.02
162900	0.8	9.8	< 0.1	< 0.1	0.4	< 0.1	< 0.1	0.1	< 0.001	0.28	11.9	5	2.0	0.7	0.185	0.035	0.01
162901	3.3	74.9	0.2	0.3	1.7	0.2	< 0.1	< 0.1	< 0.001	< 0.05	1.0	42	0.4	0.1	0.331	0.025	0.04
162902	2.9	94.9	0.5	0.3	1.6	0.2	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	39	0.3	< 0.1	0.378	0.027	0.05
162903	5.8	91.3	0.3	0.5	3.0	0.4	< 0.1	< 0.1	0.002	< 0.05	0.9	42	0.7	0.2	0.358	0.053	0.15
162904	4.8	190	0.2	0.4	2.7	0.4	< 0.1	< 0.1	0.002	< 0.05	< 0.5	59	0.6	0.2	0.477	0.030	0.16

Analyte Symbol	Dy	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
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-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
162905	2.5	109	0.3	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	< 0.05	0.9	44	0.4	0.1	0.384	0.018	0.11
162906	1.0	128	0.4	0.1	0.8	0.1	< 0.1	< 0.1	< 0.001	0.38	< 0.5	41	0.2	0.3	0.365	0.027	0.11
162951	1.3	19.6	< 0.1	< 0.1	0.5	< 0.1	0.1	0.1	< 0.001	0.30	7.2	6	3.2	1.1	0.222	0.056	0.06
162952	0.2	10.9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	1.1	1	0.4	0.2	0.0413	0.008	< 0.01
162953	6.9	61.8	< 0.1	0.6	4.0	0.6	0.3	< 0.1	< 0.001	0.25	9.7	14	7.5	1.7	0.378	0.041	0.10
162954	5.5	237	< 0.1	0.6	3.9	0.6	< 0.1	< 0.1	< 0.001	0.23	5.4	15	5.5	2.2	0.137	0.051	0.14
162955	1.9	53.0	< 0.1	0.2	1.4	0.2	0.6	0.7	< 0.001	0.15	4.1	4	6.9	1.5	0.0640	0.006	0.01
162956	2.0	41.0	< 0.1	0.2	1.2	0.2	0.2	0.6	< 0.001	0.26	3.9	9	4.2	1.0	0.261	0.029	0.05
162957	1.2	22.3	< 0.1	< 0.1	0.5	< 0.1	< 0.1	< 0.1	< 0.001	0.35	7.5	6	2.7	1.0	0.138	0.055	< 0.01
162958	0.4	4.0	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.2	< 0.001	0.10	2.0	3	1.2	0.4	0.0739	0.014	0.01
162959	1.2	18.2	0.1	0.1	0.6	< 0.1	< 0.1	< 0.1	< 0.001	0.12	3.3	4	3.4	0.6	0.169	0.026	< 0.01

QC

Analyte Symbol	Na	Al	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu
Unit Symbol	%	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05
Method Code	TD-ICP	TD-ICP	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
GXR-1 Meas			14.1	0.07	0.24	4.76	0.07	0.84	2.6	77	15.3	860	23.9	1.0	3590	41.8		1.1		34.7	2.35	7.9	0.49
GXR-1 Cert			8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas			12.7	0.56	1.49	6.65	1.39	0.85	0.3	84	44.6	167	3.10	1.3	130	43.8		2.0		4.14	2.17	15.3	1.21
GXR-4 Cert			11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63
SDC-1 Meas			38.1	1.76	0.92	8.20	1.50	0.91		35	49.3	901	5.16	0.7	30	41.9	3.5	3.1	1.3		3.55	20.2	1.44
SDC-1 Cert			34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70
GXR-6 Meas			43.9	0.13	0.58	> 10.0	1.00	0.20	0.1	114	49.6	884	5.00	2.1	70	24.5		1.0		0.74	3.04	13.0	0.49
GXR-6 Cert			32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760
SY-4 Meas	5.39	10.7																					
SY-4 Cert	5.27	10.95																					
STM-2 Meas	6.77	9.70																					
STM-2 Cert	6.61	9.72																					
DNC-1a Meas			5.1							148	241					315						63.9	0.52
DNC-1a Cert			5.20							148.0000	270					247						57.0	0.59
CZN-4 Meas		0.08																					
CZN-4 Cert		0.0715																					
SBC-1 Meas			175						0.4	215	86.2			3.1		97.3	3.3	3.2	1.2		7.17	24.5	1.65
SBC-1 Cert			163.0						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			24.0	0.11	0.18	8.06	0.52	0.17		94	556	505	15.6	1.6		278	1.3	0.9	0.5		3.48	34.1	0.54
OREAS 45d (4-Acid) Cert			21.50	0.101	0.245	8.150	0.412	0.185		235.0	549.0	490.000	14.520	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57
SdAR-M2 (U.S.G.S.) Meas			19.2						6.0	25	45.9			1.8	1240	58.1	2.6	6.6	1.0		1.57	15.0	1.19
SdAR-M2 (U.S.G.S.) Cert			17.9						5.1	25.2	49.6			7.29	1440.00	48.8	3.58	6.6	1.21		1.82	12.4	1.44
162866 Orig			23.7	1.51	3.28	7.46	1.04	8.13	0.2	221	234	2440	8.44	0.9	< 10	172	1.5	0.2	0.5	0.15	0.75	54.4	0.47
162866 Dup			23.5	1.52	3.28	7.50	0.95	8.07	0.2	207	249	2450	8.35	0.8	60	169	1.4	0.2	0.5	0.90	0.82	53.2	0.50
162868 Orig			26.5	0.61	5.06	9.23	0.10	3.85	0.1	270	258	1640	11.5	0.4	30	194	2.0	0.3	0.7	0.32	0.45	64.4	0.59
162868 Dup			26.5	0.60	5.10	9.17	0.10	3.96	< 0.1	280	262	1650	11.4	0.4	10	195	2.0	0.3	0.7	0.23	0.47	62.7	0.61
162905 Split Orig			12.4	1.33	3.19	8.09	0.18	7.62	< 0.1	226	296	1610	8.03	0.5	40	179	1.6	0.2	0.5	0.28	0.54	53.0	0.55
162905 Split			13.2	1.27	3.51	8.63	0.16	8.34	< 0.1	246	227	1740	8.63	0.5	20	194	1.7	0.2	0.6	0.20	0.57	57.7	0.58
162952 Orig			1.3	2.43	0.07	3.24	0.35	0.14	< 0.1	11	18.6	78	0.76	0.2	20	3.3	< 0.1	0.5	< 0.1	0.11	0.14	1.8	0.06
162952 Dup			1.3	2.45	0.07	3.33	0.36	0.13	< 0.1	11	25.8	75	0.78	0.3	30	3.4	< 0.1	0.6	< 0.1	0.08	0.16	1.7	0.06
162957 Orig	3.07	7.78																					
162957 Dup	3.01	7.71																					
Method Blank			< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank			< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank			< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05
Method Blank	< 0.01	< 0.01																					

QC

Analyte Symbol	Bi	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb
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	0.2	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
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
GXR-1 Meas	1390	8.9	767	< 0.1	387	3.1	24.7	258	29	0.8	14.8	0.8	23	40.7	9.9	907	6.9	13.4		7.1	2.6	3.5	0.6
GXR-1 Cert	1380	16.6	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830
DH-1a Meas																							
DH-1a Cert																							
GXR-4 Meas	19.8	1.8	73.7	15.5	100	63.4	12.3	188	33	7.5	276	0.2	5	4.3	0.9	91	48.1	89.0		33.8	5.7	3.4	0.4
GXR-4 Cert	19.0	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360
SDC-1 Meas			116	3.8	< 0.1	52.7		166	18	0.3			< 1	< 0.1		636	37.9	79.8		35.4	7.8	6.3	1.0
SDC-1 Cert			103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20
GXR-6 Meas	0.17	< 0.1	126	< 0.1	218	37.5	10.3	42.8	60	2.3	0.81	< 0.1	< 1	1.4	< 0.1	1660	10.3	27.3		9.6	2.3	1.8	0.3
GXR-6 Cert	0.290	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415
SY-4 Meas																							
SY-4 Cert																							
STM-2 Meas																							
STM-2 Cert																							
DNC-1a Meas			73.7	11.1		3.8	15.4	134	33	1.0				0.5		107	3.4			4.2			
DNC-1a Cert			70.0	15		5	18.0	144.0	38.0	3				0.96		118	3.6			5.20			
CZN-4 Meas																							
CZN-4 Cert																							
SBC-1 Meas	0.79		215	13.0	24.0	82.4	29.1	161	95	8.9	1.89		3	1.0		460	44.3	91.4	11.0	40.4	9.2	6.9	1.0
SBC-1 Cert	0.70		186.0	27.0	25.7	147	36.5	178.0	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
OREAS 45d (4-Acid) Meas	0.48		47.8	16.5	6.0	37.8	10.7	27.8	47	0.3	0.25	< 0.1	< 1	< 0.1		182	15.5	32.9	3.6	12.1	2.8	2.2	0.3
OREAS 45d (4-Acid) Cert	0.31		45.7	21.20	13.80	42.1	9.53	31.30	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
SdAR-M2 (U.S.G.S.) Meas	1.11		873	< 0.1		58.6	23.7	132	64	6.5	11.8					930	41.8	87.2	9.9	33.4	6.8	4.7	0.8
SdAR-M2 (U.S.G.S.) Cert	1.05		760	17.6		149	32.7	144	259	26.2	13.3					990	46.6	98.8	11.0	39.4	7.18	6.28	0.97
162866 Orig	0.03	< 0.1	81.3	11.2	78.8	28.3	13.7	108	25	1.0	0.65	< 0.1	< 1	4.9	< 0.1	96	1.6	4.1	0.7	3.3	1.2	1.8	0.3
162866 Dup	0.04	< 0.1	80.6	10.9	69.3	25.8	13.6	110	22	0.5	0.14	< 0.1	< 1	3.6	< 0.1	94	1.9	4.8	0.8	3.7	1.4	1.9	0.3
162868 Orig	0.03	< 0.1	147	19.1	16.1	2.5	17.8	100	11	1.3	0.13	< 0.1	< 1	1.0	< 0.1	35	3.7	9.2	1.3	6.3	2.1	2.5	0.4
162868 Dup	0.03	< 0.1	145	19.0	18.0	2.5	17.8	98.6	10	1.3	0.45	< 0.1	< 1	0.7	< 0.1	37	3.7	9.0	1.4	6.3	2.1	2.6	0.5
162905 Split Orig	0.07	< 0.1	80.9	14.9	1.7	5.9	14.1	128	10	0.2	0.32	< 0.1	< 1	0.3	< 0.1	41	2.8	6.6	1.0	4.4	1.5	2.0	0.4
162905 Split	0.03	< 0.1	83.3	16.2	2.6	5.5	15.2	130	8	0.3	0.40	< 0.1	< 1	0.5	< 0.1	29	2.1	5.6	0.9	4.2	1.6	2.1	0.4
162952 Orig	0.02	< 0.1	7.8	2.6	9.5	7.9	0.9	108	5	0.6	1.05	< 0.1	< 1	0.2	< 0.1	96	1.6	2.8	0.4	1.2	0.3	0.2	< 0.1
162952 Dup	0.02	< 0.1	8.0	2.8	1.3	7.9	0.9	110	19	0.7	1.69	< 0.1	< 1	0.2	< 0.1	96	1.5	2.8	0.4	1.3	0.2	0.2	< 0.1
162957 Orig																							
162957 Dup																							
Method Blank	< 0.02	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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
Method Blank	< 0.02	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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
Method Blank	< 0.02	< 0.1	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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
Method Blank																							

QC

Analyte Symbol	Dy	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
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-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	4.2	1090		0.3	1.8	0.2	< 0.1	141		0.35	672		2.6	32.1			

Analyte Symbol	Dy	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
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-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Cert	4.30	1110		0.430	1.90	0.280	0.175	164		0.390	730		2.44	34.9			
DH-1a Meas													> 500	2610			
DH-1a Cert													910	2629			
GXR-4 Meas	2.5	6590		0.1	0.8	0.1	0.6	36.7		2.83	47.0	7	18.7	5.8	0.281	0.122	1.69
GXR-4 Cert	2.60	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
SDC-1 Meas	6.1	35.0		0.5	2.9		< 0.1	< 0.1		0.62	23.4	16	12.3	3.0	0.0922	0.052	
SDC-1 Cert	6.70	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas	2.0	67.3			1.3	0.2	0.1	0.7		1.81	85.1		4.7	1.4			
GXR-6 Cert	2.80	66.0			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
SY-4 Meas																	
SY-4 Cert																	
STM-2 Meas																	
STM-2 Cert																	
DNC-1a Meas		113			1.7						5.1	32			0.303		
DNC-1a Cert		100.00			2.0						6.3	31			0.29		
CZN-4 Meas																	
CZN-4 Cert																	
SBC-1 Meas	6.0	38.0		0.5	2.9	0.4	0.6	1.3		0.83	33.7	20	15.8	6.3	0.482		
SBC-1 Cert	7.10	31.0000		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	2.3	417			1.3	0.2	< 0.1	0.1		0.25	20.1	52	15.6	3.0	0.199	0.032	0.04
OREAS 45d (4-Acid) Cert	2.26	371.0			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
SdAR-M2 (U.S.G.S.) Meas	4.7	270		0.4	2.4	0.4	0.4	0.8			774	4	14.6	2.6			
SdAR-M2 (U.S.G.S.) Cert	5.88	236.0000		0.54	3.63	0.54	1.8	2.8			808	4.1	14.2	2.53			
162866 Orig	2.3	178	0.2	0.2	1.3	0.2	< 0.1	0.2	0.002	0.11	1.6	34	0.2	< 0.1	0.339	0.020	0.17
162866 Dup	2.3	183	0.8	0.2	1.3	0.2	< 0.1	0.1	< 0.001	0.12	1.7	34	0.2	< 0.1	0.322	0.020	0.16
162868 Orig	3.1	114	0.3	0.3	1.7	0.3	< 0.1	< 0.1	< 0.001	< 0.05	0.6	43	0.4	0.1	0.547	0.030	0.18
162868 Dup	3.1	120	0.5	0.3	1.7	0.3	< 0.1	0.2	0.001	< 0.05	0.6	43	0.4	1.0	0.566	0.030	0.16
162905 Split Orig	2.5	109	0.3	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	< 0.05	0.9	44	0.4	0.1	0.384	0.018	0.11
162905 Split	2.7	143	0.5	0.3	1.5	0.2	< 0.1	< 0.1	< 0.001	< 0.05	0.8	44	0.3	< 0.1	0.402	0.019	0.11
162952 Orig	0.2	15.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.005	< 0.05	1.1	1	0.4	0.2	0.0419	0.008	< 0.01
162952 Dup	0.2	6.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	1.1	1	0.5	0.2	0.0407	0.008	< 0.01
162957 Orig																	
162957 Dup																	
Method Blank	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank																	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Oct-15
Invoice No.: A15-08405-Au
Invoice Date: 14-Oct-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

The following analytical package was requested: Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A15-08405-Au**

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
162960	0.991
162961	0.240
162962	< 0.005
162963	< 0.005
162964	< 0.005
162965	< 0.005
162966	< 0.005
162967	0.056
162968	< 0.005
162969	< 0.005
162970	< 0.005
162971	< 0.005
162972	< 0.005
162973	< 0.005
162974	< 0.005
162975	< 0.005
162976	< 0.005
162977	< 0.005
162978	< 0.005
162979	< 0.005
162980	< 0.005
162981	< 0.005
162982	< 0.005
162983	< 0.005
162984	2.100
162985	< 0.005
162986	< 0.005
162987	< 0.005
162988	< 0.005
162989	< 0.005
162990	< 0.005
162991	0.006
162992	< 0.005
162993	0.005
162994	< 0.005
162995	0.093
162996	< 0.005
162997	0.005
162998	0.082
162999	< 0.005
163000	< 0.005
161951	< 0.005
161952	< 0.005
161953	< 0.005
161954	0.007
161955	0.237
161956	0.009
161957	0.069
161958	0.039

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
161959	0.013
161960	0.986
161961	0.015
161962	< 0.005
161963	0.005
161964	< 0.005
161965	< 0.005
161966	0.014
161967	< 0.005
161968	< 0.005
161969	0.012
161970	0.086
161971	0.021
161972	0.005
161973	0.009

QC

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.402
OxD108 Cert	0.414
OxD108 Meas	0.397
OxD108 Cert	0.414
SG66 Meas	1.047
SG66 Cert	1.086
SG66 Meas	1.044
SG66 Cert	1.086
162969 Orig	< 0.005
162969 Dup	0.006
162979 Orig	< 0.005
162979 Dup	< 0.005
162989 Orig	< 0.005
162989 Dup	< 0.005
161954 Orig	0.007
161954 Dup	0.007
161959 Split Orig	0.013
161959 Split	0.014
161964 Orig	< 0.005
161964 Dup	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 02-Oct-15
Invoice No.: A15-08405-UT6
Invoice Date: 28-Oct-15
Your Reference: TME/Arimathea East 240

Trelawney Mining and Exploration
PO BOX 100
Gogama ON P0M 1W0
Canada

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

The following analytical package was requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A15-08405-UT6**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

SCC Accredited LAB
LAB Accrédité CCN

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

Results

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
162960	6.4	1.41	2.73	4.96	0.57	4.37	< 0.1	58	142	2100	7.97	1.3	20	127	1.9	0.9	0.7	0.44	1.97	30.9	1.34	0.09	1.9
162961	4.7	1.60	0.28	4.62	0.84	0.81	< 0.1	34	19.5	181	1.56	1.9	30	4.5	0.3	0.7	0.1	0.38	0.43	2.9	0.44	0.39	< 0.1
162962	9.6	1.16	0.71	4.93	0.87	0.69	< 0.1	73	25.4	394	2.51	1.6	30	11.8	0.4	0.9	0.1	0.31	0.58	9.7	0.27	0.33	< 0.1
162963	9.9	2.94	0.59	5.97	0.70	0.78	< 0.1	45	22.6	396	2.58	2.2	30	10.7	0.8	1.1	0.3	0.29	0.66	9.3	0.44	0.24	1.1
162964	7.7	2.01	0.52	5.37	0.67	2.46	< 0.1	70	40.0	472	2.61	2.0	30	14.1	0.8	0.9	0.3	0.25	0.60	6.0	0.82	0.14	1.9
162965	5.7	1.20	4.05	5.99	0.02	6.75	< 0.1	200	196	1340	7.07	0.5	30	132	1.4	0.1	0.5	0.17	< 0.05	40.9	0.49	0.02	1.0
162966	37.2	0.92	2.62	5.90	0.64	2.79	0.1	241	287	1910	8.41	1.1	30	173	0.6	0.2	0.2	0.16	0.55	39.2	0.29	0.03	< 0.1
162967	2.5	0.63	1.14	4.98	< 0.01	7.06	0.2	296	142	2060	6.64	0.6	40	92.9	1.8	0.5	0.6	0.15	0.07	34.6	0.63	0.03	0.6
162968	5.4	0.46	2.04	2.86	< 0.01	4.21	0.1	298	86.4	2440	10.8	0.5	40	74.4	2.1	0.4	0.7	0.22	0.33	42.3	0.60	0.04	0.5
162969	36.0	0.78	2.44	5.64	0.29	6.66	0.3	241	94.1	2720	8.29	1.3	60	92.5	0.7	0.2	0.2	0.20	0.39	43.3	0.49	0.05	0.9
162970	37.4	1.91	1.80	6.36	0.28	7.05	0.3	219	138	2310	8.16	1.5	130	96.0	1.0	0.2	0.3	0.43	0.66	44.0	0.74	0.08	2.2
162971	48.9	1.22	1.71	6.92	0.58	6.35	0.2	219	126	1860	8.91	1.6	50	105	1.1	0.5	0.4	0.35	1.17	44.5	0.86	0.03	0.6
162972	19.8	2.72	1.27	6.98	1.27	3.92	< 0.1	99	22.7	774	4.85	2.9	40	15.3	2.7	2.3	1.0	0.29	1.48	15.4	1.41	0.05	0.3
162973	37.2	2.04	2.03	6.16	0.18	5.25	0.1	245	122	1550	9.08	1.8	40	90.9	0.8	0.3	0.3	0.22	0.55	39.6	0.74	0.02	0.8
162974	21.5	0.76	2.30	5.21	0.60	7.56	< 0.1	179	165	1360	6.17	0.9	40	122	0.7	0.2	0.2	0.26	0.85	37.7	0.42	0.03	0.5
162975	19.4	2.01	0.76	7.21	0.88	0.64	< 0.1	80	18.2	477	3.64	1.7	30	16.8	0.6	0.7	0.2	0.21	1.77	9.9	0.91	0.22	0.2
162976	21.8	0.48	3.36	6.60	0.84	0.14	< 0.1	46	19.1	242	2.60	3.6	40	15.4	1.1	1.1	0.4	0.19	0.40	7.0	0.20	0.07	1.0
162977	9.9	2.08	0.90	6.34	0.78	0.54	< 0.1	26	17.1	291	2.02	4.1	40	6.2	1.2	1.0	0.4	0.18	0.66	4.7	0.66	0.08	0.8
162978	6.0	2.70	0.36	5.94	0.60	0.22	< 0.1	33	11.7	126	2.32	5.1	30	5.2	1.3	0.9	0.4	0.11	0.48	4.5	0.15	1.24	0.5
162979	21.0	2.17	0.94	7.49	0.80	0.96	< 0.1	21	19.0	206	1.67	1.1	50	4.5	1.2	1.4	0.4	0.95	0.57	4.2	0.70	0.31	< 0.1
162980	11.2	> 3.00	0.63	5.32	0.50	0.36	< 0.1	32	17.4	265	2.21	3.9	40	8.0	1.2	0.7	0.4	0.24	0.35	9.5	0.34	0.93	0.3
162981	6.1	1.91	0.56	5.67	0.80	1.98	< 0.1	25	18.5	310	2.93	3.4	40	6.7	1.1	0.9	0.4	0.25	0.26	6.0	0.63	0.80	< 0.1
162982	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	1.4	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	0.05	< 0.05	< 0.1	< 0.05	< 0.02	2.9
162983	5.3	2.75	0.43	6.06	0.75	1.04	< 0.1	25	16.3	259	2.03	3.8	30	4.4	1.2	1.1	0.4	0.20	0.41	4.4	0.55	0.46	< 0.1
162984	6.8	1.28	2.63	4.79	0.52	4.41	0.1	93	129	3570	10.2	1.2	30	119	2.0	0.9	0.8	0.30	3.42	29.6	1.36	0.11	1.3
162985	16.1	> 3.00	0.96	6.14	0.72	1.37	< 0.1	51	30.7	481	3.28	2.3	30	10.0	0.7	1.1	0.2	0.21	1.57	8.5	0.45	0.06	1.3
162986	14.9	2.41	0.65	6.90	1.52	1.48	< 0.1	44	23.2	325	2.38	1.6	30	9.6	0.5	1.2	0.2	0.14	1.98	6.6	0.58	0.16	1.2
162987	9.7	2.40	0.53	7.37	1.38	1.48	< 0.1	48	19.2	283	2.04	2.2	20	9.7	0.6	1.2	0.2	0.13	1.46	6.1	0.62	0.18	0.9
162988	9.0	1.36	2.29	5.87	0.11	3.75	0.2	219	97.2	2530	10.7	1.0	30	63.5	1.6	0.4	0.6	0.12	0.43	47.0	1.02	0.03	1.9
162989	15.5	1.52	2.94	4.35	< 0.01	3.76	< 0.1	230	187	1180	8.31	0.5	40	124	0.3	0.2	0.1	0.13	< 0.05	41.7	0.31	< 0.02	1.2
162990	16.4	0.49	2.40	5.08	0.23	6.30	< 0.1	221	93.2	1830	7.90	1.2	50	81.5	0.4	0.2	0.1	0.20	0.35	34.0	0.41	0.03	2.1
162991	6.0	0.17	2.22	5.51	< 0.01	7.99	< 0.1	190	219	1740	5.90	0.3	30	140	1.4	0.1	0.5	0.15	0.19	37.1	0.54	< 0.02	< 0.1
162992	6.2	1.21	2.96	6.50	0.02	6.11	< 0.1	192	210	1340	6.72	0.3	40	134	1.4	0.1	0.5	0.14	0.40	35.6	0.45	< 0.02	0.6
162993	8.4	2.05	3.75	> 10.0	0.03	6.62	< 0.1	172	204	1210	7.73	0.2	40	179	2.0	0.1	0.7	0.14	0.08	51.4	0.65	< 0.02	1.7
162994	2.9	0.04	0.23	0.65	0.06	0.33	< 0.1	21	44.2	587	1.77	< 0.1	30	11.1	0.1	< 0.1	< 0.1	0.11	0.13	5.6	0.10	< 0.02	1.1
162995	15.5	0.90	2.47	5.58	0.69	7.42	0.2	176	153	1400	7.65	0.6	40	75.0	0.5	0.2	0.2	0.13	1.03	29.2	0.54	0.04	1.3
162996	18.7	2.51	1.30	> 10.0	1.34	3.84	< 0.1	82	22.7	767	4.75	2.5	30	12.6	2.8	2.3	1.0	0.14	1.37	14.9	1.37	0.03	0.4
162997	12.1	0.84	5.72	5.68	0.03	7.53	0.2	194	450	1580	8.62	0.4	20	254	1.9	0.2	0.7	0.13	0.12	53.9	0.61	0.02	1.6
162998	5.2	> 3.00	0.30	7.36	1.62	1.26	< 0.1	27	13.6	155	1.12	2.2	50	4.1	0.1	1.1	< 0.1	0.14	2.56	3.0	0.39	0.07	< 0.1
162999	21.0	1.64	3.77	6.37	0.05	2.36	< 0.1	224	173	1430	8.85	0.5	70	124	0.8	0.2	0.3	0.12	0.39	48.8	0.42	< 0.02	< 0.1
163000	53.9	1.08	1.10	6.78	0.49	6.52	< 0.1	179	174	1490	6.63	0.9	60	190	0.8	0.2	0.2	0.43	0.62	41.1	0.41	0.02	< 0.1
161951	9.7	1.71	4.30	4.75	0.02	6.55	< 0.1	125	359	1190	6.08	0.3	30	226	1.3	0.2	0.4	0.08	0.18	43.0	0.44	0.03	2.5
161952	12.0	1.66	3.67	6.89	0.01	6.22	< 0.1	250	90.8	1560	8.81	0.1	40	96.6	2.1	0.3	0.7	0.08	0.15	44.3	0.72	0.02	0.7
161953	10.3	0.11	1.67	5.48	1.22	6.09	0.1	154	108	2020	7.04	0.9	20	99.3	1.8	0.3	0.6	0.09	1.06	40.0	0.70	0.03	0.3
161954	3.3	0.10	0.47	1.01	0.14	1.09	< 0.1	50	51.7	335	1.50	0.2	90	15.7	0.3	< 0.1	< 0.1	0.07	0.14	6.1	0.08	< 0.02	< 0.1
161955	4.0	1.65	0.33	3.84	0.81	3.02	< 0.1	29	24.0	215	1.26	1.1	30	8.1	0.9	0.5	0.3	0.11	0.38	2.8	0.23	0.56	0.9
161956	0.7	0.08	0.07	0.41	0.06	0.25	< 0.1	5	46.2	85	1.44	0.1	30	42.1	0.2	< 0.1	< 0.1	0.51	< 0.05	18.6	0.07	0.23	2.0
161957	< 0.5	0.04	0.02	0.08	0.02	0.03	< 0.1	< 1	43.2	74	3.04	< 0.1	20	110	< 0.1	< 0.1	< 0.1	5.03	< 0.05	40.2	< 0.05	0.60	6.9
161958	< 0.5	0.04	0.05	0.16	0.02	0.03	< 0.1	3	22.0	89	6.63	< 0.1	60	349	0.1	< 0.1	< 0.1	2.21	< 0.05	205	0.05	1.11	9.6

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
161959	8.0	2.77	0.71	6.46	1.46	0.89	< 0.1	27	18.1	151	2.66	4.9	240	7.0	2.5	1.4	0.8	0.63	0.32	3.9	1.04	0.66	< 0.1
161960	7.0	1.57	3.03	5.34	0.60	4.66	< 0.1	63	135	2170	8.44	0.9	40	134	2.0	1.0	0.8	0.54	2.03	33.1	1.43	0.07	1.2
161961	5.2	1.62	3.57	5.39	0.06	3.17	< 0.1	226	137	1530	9.36	0.7	50	56.6	2.1	1.3	0.7	0.53	0.26	22.6	0.57	0.53	1.5
161962	3.6	0.48	1.11	4.73	0.02	6.34	< 0.1	224	79.9	631	3.98	0.3	30	37.2	1.3	0.5	0.4	0.32	0.08	12.9	0.64	0.72	1.5
161963	4.0	0.66	3.47	6.14	0.05	6.45	0.1	226	155	1340	7.49	0.6	< 10	79.5	1.9	0.7	0.7	0.30	0.11	28.5	0.70	0.59	1.4
161964	11.4	2.17	1.60	7.11	0.46	2.10	0.1	94	20.9	623	3.67	3.5	< 10	32.6	1.6	1.0	0.6	0.39	0.16	14.0	0.71	0.12	1.3
161965	8.3	2.87	0.10	5.41	1.20	0.20	< 0.1	7	17.0	110	1.39	3.1	30	9.0	1.2	1.6	0.4	0.30	0.41	0.8	0.18	0.21	1.4
161966	3.5	0.21	0.16	1.48	0.61	0.01	0.5	3	21.8	106	1.99	0.7	60	6.2	0.4	0.7	0.1	12.7	0.21	1.5	< 0.05	8.27	5.5
161967	2.5	0.16	0.13	3.43	0.69	2.41	< 0.1	10	22.4	197	1.93	4.1	30	2.7	3.3	0.6	1.1	1.84	0.22	0.3	0.30	1.26	0.3
161968	10.7	1.63	0.31	4.69	0.85	0.44	< 0.1	5	23.2	188	1.33	3.0	40	2.4	2.0	1.6	0.7	0.99	0.48	1.6	0.31	0.56	< 0.1
161969	5.0	0.02	0.18	1.49	0.72	< 0.01	3.3	4	17.3	99	1.02	0.7	50	2.0	0.5	0.7	0.2	2.41	0.17	1.1	< 0.05	7.72	1.6
161970	2.4	0.02	0.04	0.70	0.38	0.05	1.2	< 1	17.9	72	1.47	0.2	30	3.1	0.3	0.3	< 0.1	8.45	0.07	1.7	< 0.05	66.6	3.4
161971	1.4	2.44	0.12	3.75	0.24	0.68	0.3	3	25.3	123	1.50	1.0	80	30.4	0.6	1.2	0.2	5.17	0.08	3.1	0.18	8.71	5.0
161972	18.4	2.46	1.34	7.70	1.74	3.82	< 0.1	78	22.6	781	4.80	2.1	40	14.5	2.9	2.4	1.1	1.44	1.46	15.8	1.43	0.05	1.0
161973	1.0	> 3.00	0.13	5.58	0.21	0.57	0.2	3	28.6	97	0.91	2.3	20	7.5	1.1	1.7	0.4	1.07	0.06	54.4	0.26	0.57	3.0

Results

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
162960	105	9.5	360	25.7	23.8	335	50	2.1	0.54	< 0.1	2	0.2	< 0.1	399	18.6	36.9	5.1	19.5	4.5	4.5	0.7	3.9	82.2
162961	22.2	3.8	2.1	34.2	4.3	332	74	2.1	1.51	< 0.1	2	0.4	< 0.1	649	10.1	22.9	2.4	7.8	1.3	0.8	0.1	0.6	19.9
162962	47.4	3.2	11.7	44.5	4.8	165	69	2.8	1.48	< 0.1	2	0.3	< 0.1	827	7.9	19.4	2.1	7.2	1.2	0.9	0.1	0.7	4.4
162963	51.0	10.3	2.7	36.9	8.8	275	95	4.5	1.28	< 0.1	2	0.3	< 0.1	447	16.2	43.5	4.0	12.8	2.0	1.4	0.2	1.4	64.2
162964	35.7	11.3	5.2	24.9	10.1	499	90	1.9	1.12	< 0.1	2	0.5	< 0.1	428	12.7	30.2	3.7	13.6	2.5	2.0	0.3	1.6	10.0
162965	69.6	13.4	0.5	0.7	15.8	100	16	1.5	0.37	< 0.1	2	0.7	< 0.1	10	1.6	5.0	0.8	3.7	1.2	1.7	0.3	2.2	85.9
162966	87.0	13.9	31.1	15.8	5.9	75.4	49	1.7	0.19	< 0.1	2	0.1	< 0.1	175	1.2	3.7	0.6	2.5	0.7	0.9	0.2	1.0	101
162967	98.5	25.1	8.3	< 0.2	18.9	434	21	2.6	0.68	< 0.1	2	0.5	< 0.1	20	2.6	7.9	1.1	5.4	1.7	2.3	0.4	2.9	63.8
162968	146	20.0	2.3	1.6	15.5	109	35	5.7	0.49	0.1	2	0.7	< 0.1	46	3.4	10.1	1.5	6.5	2.0	2.4	0.4	3.2	88.2
162969	106	6.9	11.6	13.1	7.3	104	55	1.7	0.23	< 0.1	2	1.4	< 0.1	447	2.7	7.5	1.1	5.2	1.6	1.6	0.2	1.2	160
162970	157	16.7	16.0	15.2	9.6	101	65	1.0	0.23	< 0.1	2	1.1	< 0.1	134	4.1	11.6	1.8	7.8	2.2	2.1	0.3	1.6	110
162971	130	16.5	6.2	29.1	11.0	139	70	0.8	0.13	< 0.1	1	0.6	< 0.1	248	5.2	14.5	2.2	9.5	2.7	2.4	0.3	1.8	99.9
162972	87.8	10.8	< 0.1	85.6	33.7	617	140	4.1	0.52	< 0.1	2	< 0.1	< 0.1	803	28.6	66.2	8.3	31.3	6.2	5.4	0.8	5.1	24.9
162973	122	18.0	1.3	11.9	8.7	84.4	87	0.6	0.33	< 0.1	1	0.5	< 0.1	89	5.0	14.4	2.1	9.6	2.6	2.3	0.3	1.4	94.0
162974	67.6	2.0	16.4	22.9	7.7	88.1	38	0.2	0.39	< 0.1	1	0.3	< 0.1	602	2.0	5.9	0.9	4.2	1.3	1.3	0.2	1.2	104
162975	62.2	16.0	2.1	52.0	7.9	167	80	4.1	1.17	< 0.1	2	0.1	< 0.1	523	17.9	49.6	4.8	17.0	2.9	2.0	0.2	1.3	5.8
162976	30.2	11.3	< 0.1	33.4	13.6	59.0	152	5.7	1.18	< 0.1	6	< 0.1	< 0.1	347	9.8	26.0	2.5	8.3	1.4	1.2	0.2	1.7	3.0
162977	25.6	14.6	1.0	34.9	14.9	88.0	176	5.3	1.20	< 0.1	3	< 0.1	< 0.1	261	27.8	59.7	6.7	22.3	3.9	2.9	0.4	2.3	17.1
162978	10.1	13.6	< 0.1	25.4	15.2	77.6	229	2.7	1.73	< 0.1	4	< 0.1	< 0.1	298	2.4	13.5	0.8	3.2	0.8	1.1	0.2	1.9	43.7
162979	17.1	11.8	1.7	30.1	11.8	93.6	39	5.2	1.45	< 0.1	8	0.2	< 0.1	249	25.9	50.2	5.8	20.5	3.8	2.9	0.4	2.3	12.8
162980	35.3	15.4	0.8	25.0	15.7	72.8	178	9.3	1.07	< 0.1	7	< 0.1	< 0.1	213	12.1	37.8	3.3	10.9	1.9	1.6	0.3	1.9	19.8
162981	39.4	10.8	4.4	30.3	15.4	105	155	8.5	1.23	< 0.1	5	< 0.1	< 0.1	500	24.2	53.5	6.0	20.1	3.5	2.8	0.4	2.3	24.8
162982	< 0.2	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
162983	22.8	13.6	0.3	29.0	15.8	92.1	174	9.3	1.41	< 0.1	5	< 0.1	< 0.1	300	19.5	44.4	4.8	16.3	2.8	2.5	0.4	2.3	14.7
162984	124	14.2	824	23.9	26.4	293	65	1.7	1.55	< 0.1	2	0.7	< 0.1	141	20.9	38.1	5.6	21.8	4.7	4.7	0.7	4.0	129
162985	62.3	12.2	5.6	26.5	8.1	448	99	4.7	1.40	< 0.1	2	0.5	< 0.1	436	12.9	30.2	3.4	11.6	2.1	1.5	0.2	1.2	30.9
162986	57.9	4.6	1.0	82.1	6.1	414	78	1.5	0.25	< 0.1	2	0.5	< 0.1	955	14.8	33.2	3.9	13.3	2.2	1.5	0.2	1.0	13.4
162987	56.3	7.3	1.4	65.3	7.6	498	96	1.9	0.30	< 0.1	2	0.4	< 0.1	865	15.7	34.7	4.0	14.1	2.3	1.7	0.2	1.2	16.3
162988	137	17.3	12.0	7.6	19.5	123	46	0.5	0.10	< 0.1	1	0.4	< 0.1	102	5.3	14.7	2.2	9.6	2.7	3.5	0.6	3.4	128
162989	92.9	16.4	9.3	< 0.2	2.7	89.1	23	2.0	0.16	< 0.1	2	5.3	< 0.1	20	1.2	3.3	0.6	2.7	0.9	0.9	0.1	0.7	122
162990	93.3	13.2	17.1	11.3	4.4	76.8	51	1.5	0.31	< 0.1	2	5.5	< 0.1	62	2.3	6.6	1.0	4.6	1.3	1.1	0.1	0.7	148
162991	69.1	19.5	8.1	1.3	16.1	170	12	0.3	0.18	< 0.1	1	0.8	< 0.1	16	1.9	5.6	0.9	4.1	1.3	1.8	0.3	2.3	152
162992	73.7	14.4	6.4	3.5	15.8	102	8	0.4	0.22	< 0.1	1	0.2	< 0.1	34	1.6	4.9	0.8	3.7	1.2	1.7	0.3	2.2	82.5
162993	76.8	18.1	3.7	1.6	22.9	152	7	0.3	0.13	< 0.1	1	0.4	< 0.1	43	2.2	6.8	1.1	5.3	1.7	2.4	0.4	3.1	236
162994	10.8	1.6	3.6	3.4	1.4	9.4	3	0.5	3.02	< 0.1	2	0.9	< 0.1	27	0.7	2.0	0.3	1.1	0.3	0.3	< 0.1	0.2	60.0
162995	60.1	9.8	800	36.7	5.0	109	32	1.0	1.19	< 0.1	2	1.7	< 0.1	181	2.5	6.7	1.0	4.4	1.3	1.2	0.2	0.9	136
162996	87.5	8.0	1.0	87.4	34.2	599	119	2.3	0.32	< 0.1	2	< 0.1	< 0.1	955	26.3	61.5	7.8	29.4	6.0	5.4	0.8	5.1	24.4
162997	84.0	13.8	3.6	1.2	21.7	130	16	0.9	0.32	< 0.1	1	0.4	< 0.1	33	2.8	8.7	1.3	5.9	1.7	2.4	0.4	3.0	130
162998	44.9	17.4	< 0.1	64.4	2.2	373	90	0.6	0.41	< 0.1	2	0.3	< 0.1	517	8.0	19.5	2.2	7.9	1.3	0.8	< 0.1	0.4	17.6
162999	117	14.9	1.4	4.2	8.7	41.9	15	1.4	0.22	< 0.1	1	0.5	< 0.1	17	3.5	8.7	1.2	5.0	1.2	1.2	0.2	1.3	99.4
163000	80.3	22.4	3.5	17.5	6.1	79.4	35	0.4	0.65	< 0.1	1	0.3	< 0.1	150	4.0	8.1	1.1	4.8	1.9	1.2	0.2	1.2	137
161951	53.1	9.7	5.5	0.9	14.8	82.7	11	0.5	0.15	< 0.1	2	0.4	< 0.1	19	2.3	6.5	0.9	4.3	1.3	1.7	0.3	2.1	132
161952	89.0	17.3	0.8	0.9	23.9	86.5	5	0.2	< 0.05	< 0.1	1	0.3	< 0.1	25	2.9	8.7	1.3	6.2	1.9	2.7	0.5	3.4	116
161953	89.3	4.4	16.3	57.6	20.5	65.6	41	0.2	< 0.05	< 0.1	1	0.5	< 0.1	621	3.5	10.1	1.5	6.8	1.9	2.5	0.4	2.9	109
161954	13.9	2.1	20.1	5.6	3.0	10.3	9	0.7	2.57	< 0.1	1	2.1	< 0.1	64	0.6	1.6	0.2	1.1	0.3	0.4	< 0.1	0.4	40.0
161955	12.3	6.4	< 0.1	41.3	10.6	83.1	57	3.2	1.37	< 0.1	5	< 0.1	0.2	288	3.8	8.6	1.0	3.9	0.9	1.0	0.2	1.2	282
161956	8.3	1.7	8.3	2.8	1.9	15.9	6	1.3	2.95	< 0.1	2	0.2	< 0.1	20	1.6	3.7	0.4	1.4	0.2	0.2	< 0.1	0.2	505
161957	5.2	0.5	29.6	0.9	0.3	2.8	3	0.6	3.85	< 0.1	2	0.6	0.4	8	0.3	0.4	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	5100
161958	17.6	0.9	57.9	1.1	1.9	2.2	2	0.4	1.75	< 0.1	2	0.8	0.8	9	2.1	4.7	0.5	1.6	0.3	0.3	< 0.1	0.3	2930

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
161959	22.6	35.0	< 0.1	46.3	21.4	113	177	8.4	1.68	< 0.1	15	< 0.1	0.1	371	31.8	71.0	8.2	30.9	11.3	4.4	0.7	4.2	678
161960	110	9.9	331	26.9	24.7	349	45	0.8	0.40	< 0.1	2	0.2	< 0.1	422	19.7	38.5	5.3	20.5	4.6	4.7	0.7	4.1	88.0
161961	146	15.5	1.9	4.2	21.8	55.5	22	0.5	0.78	< 0.1	16	< 0.1	< 0.1	46	3.0	9.0	1.4	6.3	1.8	2.5	0.4	3.1	304
161962	33.9	17.7	1.2	1.3	15.0	130	12	0.9	1.01	< 0.1	10	0.2	< 0.1	7	1.1	3.2	0.5	2.4	0.8	1.3	0.2	1.9	54.5
161963	101	16.3	< 0.1	1.9	21.5	116	18	1.8	0.35	< 0.1	6	< 0.1	< 0.1	20	2.7	8.0	1.2	5.8	1.8	2.5	0.4	3.1	42.1
161964	79.7	17.6	< 0.1	17.4	19.3	208	158	4.1	0.68	< 0.1	3	< 0.1	< 0.1	105	14.3	31.7	3.8	13.5	2.7	2.8	0.4	2.8	44.4
161965	35.3	8.5	0.3	52.7	14.1	68.9	92	8.6	1.34	< 0.1	7	0.1	< 0.1	490	8.9	20.1	2.5	8.6	1.8	2.0	0.3	2.2	48.9
161966	222	2.6	0.2	29.8	4.4	9.1	18	2.8	1.26	0.5	14	0.2	0.2	262	0.6	1.3	0.2	0.6	0.2	0.3	< 0.1	0.6	3870
161967	20.3	12.6	< 0.1	31.4	40.3	185	124	13.4	1.26	0.2	61	0.1	< 0.1	324	18.4	43.6	5.2	18.0	4.2	4.3	0.8	5.2	24.5
161968	90.0	8.0	< 0.1	48.6	26.1	35.7	96	9.1	2.24	< 0.1	9	< 0.1	< 0.1	405	16.6	40.3	4.8	15.9	3.4	3.2	0.5	3.5	152
161969	954	1.8	0.8	31.6	6.4	5.2	23	2.6	12.2	< 0.1	11	< 0.1	0.3	265	0.8	2.1	0.2	0.8	0.2	0.4	< 0.1	0.7	674
161970	376	1.5	0.9	19.2	4.5	0.7	6	0.9	3.18	0.5	5	0.2	0.2	95	1.0	2.7	0.3	1.0	0.2	0.2	< 0.1	0.4	2120
161971	76.6	6.5	3.5	9.6	8.2	61.3	31	3.6	2.09	0.5	5	0.2	0.3	65	5.1	10.9	1.1	3.5	0.7	0.9	0.1	1.0	2020
161972	89.5	10.2	< 0.1	100	36.3	562	92	1.6	0.23	< 0.1	2	< 0.1	< 0.1	791	26.7	63.8	8.2	31.2	6.3	5.7	0.9	5.4	25.7
161973	20.2	11.4	8.6	7.2	13.8	89.6	61	8.8	2.34	< 0.1	3	0.1	< 0.1	44	11.7	27.7	2.9	9.0	1.8	1.6	0.3	1.8	724

Results

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
162960	< 0.1	0.3	1.6	0.2	< 0.1	< 0.1	< 0.001	0.11	4.9	20	3.8	0.9	0.390	0.147	0.74
162961	< 0.1	< 0.1	0.3	< 0.1	0.1	0.1	0.002	0.14	69.7	4	3.7	0.7	0.135	0.021	0.02
162962	< 0.1	< 0.1	0.4	< 0.1	0.1	0.4	< 0.001	0.22	11.3	7	2.3	0.4	0.190	0.035	< 0.01
162963	< 0.1	0.1	0.8	0.1	0.2	0.1	< 0.001	0.20	12.1	6	4.7	0.8	0.253	0.044	0.07
162964	< 0.1	0.1	0.7	0.1	< 0.1	< 0.1	< 0.001	0.12	10.3	9	2.6	0.6	0.244	0.062	< 0.01
162965	< 0.1	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	< 0.05	2.2	41	0.2	< 0.1	0.389	0.017	0.05
162966	< 0.1	0.1	0.8	0.1	< 0.1	< 0.1	< 0.001	0.12	5.9	40	0.2	< 0.1	0.453	0.017	< 0.01
162967	0.3	0.3	1.7	0.2	0.1	< 0.1	< 0.001	< 0.05	3.7	31	0.2	< 0.1	0.550	0.028	0.03
162968	< 0.1	0.3	2.0	0.3	0.3	< 0.1	0.003	< 0.05	2.8	15	0.2	0.2	0.928	0.067	0.18
162969	< 0.1	0.2	1.0	0.2	< 0.1	< 0.1	0.001	0.07	9.0	43	0.3	< 0.1	0.463	0.023	0.30
162970	< 0.1	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	0.08	3.1	42	0.5	0.1	0.350	0.038	0.20
162971	< 0.1	0.2	1.5	0.3	< 0.1	0.4	0.001	0.11	2.9	41	0.5	0.1	0.352	0.045	0.32
162972	< 0.1	0.4	2.5	0.4	0.2	< 0.1	< 0.001	0.42	14.3	16	3.9	2.0	0.422	0.111	0.11
162973	< 0.1	0.1	1.2	0.2	< 0.1	< 0.1	< 0.001	0.07	2.0	41	0.5	0.1	0.418	0.043	0.08
162974	0.1	0.1	0.9	0.2	< 0.1	< 0.1	< 0.001	0.09	2.7	37	0.2	7.7	0.279	0.020	0.04
162975	< 0.1	0.1	0.7	< 0.1	0.2	0.3	< 0.001	0.28	8.5	12	3.5	0.4	0.256	0.075	0.01
162976	< 0.1	0.2	1.2	0.2	0.3	1.0	< 0.001	0.12	5.0	8	7.2	1.6	0.270	0.042	< 0.01
162977	< 0.1	0.2	1.3	0.2	0.1	0.4	< 0.001	0.12	4.8	6	7.9	1.5	0.213	0.031	< 0.01
162978	< 0.1	0.2	1.5	0.2	< 0.1	0.1	< 0.001	0.08	3.2	8	5.8	1.6	0.296	0.034	< 0.01
162979	< 0.1	0.2	1.2	0.2	0.2	0.9	< 0.001	0.16	3.7	5	7.2	1.3	0.183	0.025	< 0.01
162980	< 0.1	0.2	1.4	0.2	0.6	0.9	< 0.001	0.09	2.3	5	5.6	1.5	0.187	0.034	< 0.01
162981	< 0.1	0.2	1.2	0.2	0.7	0.3	< 0.001	0.10	3.6	5	6.6	1.3	0.160	0.033	0.35
162982	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	5	< 0.1	< 0.1	0.180	0.037	0.28
162983	< 0.1	0.2	1.3	0.2	0.7	0.3	< 0.001	0.09	3.4	7	6.0	1.5	0.232	0.062	0.01
162984	< 0.1	0.3	1.7	0.3	< 0.1	< 0.1	0.001	0.10	6.6	18	4.4	1.2	0.469	0.177	1.62
162985	< 0.1	< 0.1	0.7	0.1	0.4	< 0.1	< 0.001	0.13	7.4	7	2.5	0.6	0.201	0.053	0.01
162986	< 0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.1	< 0.001	0.46	8.0	6	3.2	0.9	0.213	0.052	< 0.01
162987	< 0.1	< 0.1	0.5	< 0.1	0.1	0.2	< 0.001	0.42	9.2	7	3.1	1.4	0.218	0.062	0.03
162988	< 0.1	0.2	1.7	0.3	< 0.1	< 0.1	0.002	0.06	1.7	47	0.6	0.1	0.355	0.042	0.08
162989	< 0.1	< 0.1	0.4	< 0.1	0.1	< 0.1	0.001	< 0.05	1.0	23	< 0.1	< 0.1	0.482	0.024	0.05
162990	< 0.1	< 0.1	0.7	0.1	< 0.1	< 0.1	< 0.001	0.07	0.8	39	0.3	< 0.1	0.441	0.023	0.27
162991	< 0.1	0.2	1.3	0.2	< 0.1	< 0.1	< 0.001	< 0.05	1.1	44	0.2	< 0.1	0.345	0.018	0.03
162992	0.1	0.2	1.3	0.2	< 0.1	< 0.1	< 0.001	< 0.05	0.8	41	0.2	< 0.1	0.322	0.014	0.04
162993	< 0.1	0.3	1.9	0.3	< 0.1	< 0.1	0.001	< 0.05	1.1	56	0.2	< 0.1	0.258	0.021	0.15
162994	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.007	< 0.05	0.8	6	0.1	< 0.1	0.0251	0.013	0.01
162995	< 0.1	< 0.1	0.5	< 0.1	< 0.1	0.2	0.012	0.20	1.3	30	0.2	< 0.1	0.228	0.017	0.40
162996	< 0.1	0.4	2.6	0.4	< 0.1	< 0.1	0.001	0.44	14.3	16	4.4	1.2	0.310	0.095	0.11
162997	0.2	0.3	1.8	0.2	< 0.1	< 0.1	0.002	< 0.05	1.3	41	0.3	< 0.1	0.349	0.025	0.05
162998	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.004	0.37	10.8	3	1.6	0.6	0.170	0.031	0.04
162999	< 0.1	0.1	0.9	0.1	< 0.1	< 0.1	< 0.001	< 0.05	0.9	37	0.3	< 0.1	0.472	0.023	0.22
163000	0.2	0.1	1.0	0.2	< 0.1	< 0.1	0.001	0.09	1.8	36	0.5	< 0.1	0.340	0.021	0.06
161951	< 0.1	0.2	1.2	0.2	< 0.1	< 0.1	< 0.001	< 0.05	1.7	30	0.2	< 0.1	0.261	0.019	0.23
161952	< 0.1	0.3	1.9	0.3	< 0.1	< 0.1	0.001	< 0.05	0.7	46	0.4	< 0.1	0.280	0.021	0.05
161953	< 0.1	0.3	1.9	0.3	< 0.1	< 0.1	< 0.001	0.19	1.9	42	0.4	< 0.1	0.255	0.030	0.14
161954	< 0.1	< 0.1	0.3	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	0.6	10	0.1	< 0.1	0.104	0.011	0.02
161955	< 0.1	0.1	1.2	0.2	0.2	0.8	< 0.001	0.14	2.5	7	4.6	0.9	0.185	0.028	0.02
161956	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.1	< 0.001	< 0.05	7.7	1	0.5	0.3	0.0237	0.008	0.75
161957	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	9.1	< 1	< 0.1	< 0.1	0.0047	0.009	2.65
161958	< 0.1	< 0.1	0.1	< 0.1	< 0.1	0.1	< 0.001	< 0.05	19.3	< 1	0.2	0.2	0.0059	0.041	7.34

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
161959	< 0.1	0.3	2.3	0.4	0.1	57.8	0.001	0.23	3.9	7	7.5	1.3	0.261	0.038	0.31
161960	< 0.1	0.3	1.7	0.3	< 0.1	0.2	< 0.001	0.10	5.0	20	4.0	1.0	0.349	0.132	0.71
161961	< 0.1	0.3	2.2	0.3	< 0.1	0.2	< 0.001	0.05	4.2	49	0.4	< 0.1	0.406	0.033	0.61
161962	< 0.1	0.2	1.4	0.2	< 0.1	0.6	< 0.001	< 0.05	8.0	23	0.1	< 0.1	0.204	0.010	0.14
161963	0.3	0.3	1.9	0.3	< 0.1	0.3	< 0.001	< 0.05	9.2	44	0.3	< 0.1	0.524	0.026	0.13
161964	< 0.1	0.2	1.6	0.2	0.2	0.2	< 0.001	0.07	26.5	16	3.3	0.8	0.377	0.042	0.15
161965	< 0.1	0.2	1.3	0.2	0.5	1.3	< 0.001	0.17	14.6	3	10.8	1.3	0.0653	0.013	0.01
161966	< 0.1	< 0.1	0.5	< 0.1	0.3	0.7	< 0.001	0.11	22.2	1	2.8	0.4	0.0081	0.005	0.57
161967	< 0.1	0.5	3.3	0.5	1.5	0.6	< 0.001	0.13	6.9	3	10.7	2.8	0.0705	0.008	0.06
161968	< 0.1	0.3	2.1	0.3	0.7	1.6	< 0.001	0.22	5.8	3	8.9	1.6	0.0634	0.009	0.02
161969	< 0.1	< 0.1	0.6	< 0.1	0.2	1.0	0.011	0.12	23.6	< 1	2.1	0.4	0.0207	0.006	0.15
161970	< 0.1	< 0.1	0.3	< 0.1	< 0.1	0.2	< 0.001	0.06	59.9	< 1	0.5	0.3	0.0100	0.006	0.25
161971	< 0.1	0.1	0.7	0.1	0.5	0.3	< 0.001	< 0.05	16.3	1	3.8	1.1	0.0160	0.004	0.69
161972	< 0.1	0.4	2.7	0.4	< 0.1	< 0.1	< 0.001	0.45	12.6	17	4.1	1.3	0.265	0.108	0.12
161973	< 0.1	0.2	1.3	0.2	1.3	0.8	< 0.001	< 0.05	10.9	2	9.8	3.0	0.0277	0.005	0.37

QC

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
GXR-1 Meas	8.5	0.04	0.21	2.41	0.04	0.93	2.7	99	11.1	943	26.7	0.4	3850	44.3		1.1		39.2	2.94	7.7	0.56	1350	17.4
GXR-1 Cert	8.20	0.0520	0.217	3.52	0.050	0.960	3.30	80.0	12.0	852	23.6	0.960	3900	41.0		1.22		31.0	3.00	8.20	0.690	1380	16.6
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas	11.2	0.45	1.51	6.29	1.53	0.86	0.3	85	35.6	138	2.77	1.4	110	37.3		2.0		3.80	2.34	11.7	1.22	19.7	5.6
GXR-4 Cert	11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0	5.60
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas	32.9	1.33	0.86	5.65	0.91	0.72		65	52.6	797	4.25	1.5	30	33.2	2.8	2.9	1.0		3.31	14.8	1.09		
SDC-1 Cert	34.00	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70		
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas	42.2	0.10	0.61	> 10.0	0.99	0.22	0.1	137	81.5	868	4.65	2.5	70	24.6		1.2		0.29	3.36	10.5	0.49	0.18	< 0.1
GXR-6 Cert	32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290	0.940
DNC-1a Meas	4.6							138	180					259						49.5	0.51		
DNC-1a Cert	5.20							148.0000	270					247						57.0	0.59		
DNC-1a Meas																							
DNC-1a Cert																							
SBC-1 Meas	153						0.4	205	65.6			2.9		85.8	3.3	3.4	1.2		7.57	19.4	1.68	0.72	
SBC-1 Cert	163.0						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70	
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
SdAR-M2 (U.S.G.S.) Meas	17.2						4.9	26	34.6			3.3	1070	55.1	2.7	6.9	0.9		1.65	11.6	1.19	1.12	
SdAR-M2 (U.S.G.S.) Cert	17.9						5.1	25.2	49.6			7.29	1440.00	48.8	3.58	6.6	1.21		1.82	12.4	1.44	1.05	
SdAR-M2 (U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert																							
162960 Orig	6.4	1.45	2.73	4.99	0.58	4.42	< 0.1	58	153	2130	8.09	1.5	20	129	1.9	0.9	0.7	0.52	2.00	31.7	1.40	0.10	2.4
162960 Dup	6.5	1.37	2.73	4.93	0.55	4.32	< 0.1	59	131	2070	7.85	1.0	20	126	1.9	1.0	0.7	0.37	1.94	30.1	1.27	0.08	1.3
162979 Orig	21.2	2.14	0.93	7.27	0.80	0.95	< 0.1	21	17.1	205	1.66	0.9	50	4.5	1.1	1.4	0.4	1.09	0.56	4.1	0.68	0.28	< 0.1
162979 Dup	20.8	2.20	0.96	7.71	0.80	0.97	< 0.1	21	20.9	208	1.69	1.2	60	4.6	1.2	1.5	0.4	0.81	0.57	4.2	0.71	0.33	< 0.1
162979 Orig																							
162979 Dup																							
162998 Orig	5.2	> 3.00	0.29	7.53	1.54	1.34	< 0.1	28	13.8	158	1.14	2.1	50	3.8	0.2	1.1	< 0.1	0.13	2.60	3.0	0.43	0.07	< 0.1
162998 Dup	5.3	> 3.00	0.31	7.19	1.70	1.18	< 0.1	27	13.5	152	1.11	2.2	50	4.4	0.1	1.1	< 0.1	0.14	2.53	3.1	0.36	0.07	1.7
163000 Orig	53.5	1.07	1.09	6.77	0.49	6.53	< 0.1	177	174	1490	6.62	1.0	50	189	0.8	0.2	0.2	0.47	0.62	40.7	0.42	0.02	< 0.1
163000 Dup	54.2	1.10	1.11	6.79	0.49	6.50	< 0.1	181	174	1490	6.64	0.9	60	191	0.8	0.2	0.2	0.39	0.62	41.5	0.40	0.03	< 0.1
161959 Split Orig	8.0	2.77	0.71	6.46	1.46	0.89	< 0.1	27	18.1	151	2.66	4.9	240	7.0	2.5	1.4	0.8	0.63	0.32	3.9	1.04	0.66	< 0.1
161959 Split	8.1	2.83	0.74	6.66	1.33	0.93	< 0.1	27	21.7	171	2.75	4.4	180	7.4	2.5	1.5	0.8	0.64	0.34	4.1	1.09	0.71	< 0.1

Analyte Symbol	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi	Se
Unit Symbol	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	0.5	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02	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
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank	< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02	< 0.1
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
GXR-1 Meas	833	< 0.1	430	4.1	40.5	361	25	1.0	21.0	0.9	33	30.9	9.0	883	8.2	17.7		9.1	2.8	4.1	0.7	4.9	1220
GXR-1 Cert	760	13.8	427	14.0	32.0	275	38.0	0.800	18.0	0.770	54.0	122	13.0	750	7.50	17.0		18.0	2.70	4.20	0.830	4.30	1110
GXR-1 Meas																							
GXR-1 Cert																							
GXR-4 Meas	65.7	13.4	86.8	113	14.9	209	49	9.6	292	0.2	8	3.9	0.8	316	51.6	92.8		37.6	5.5	3.7	0.5	2.5	5760
GXR-4 Cert	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60	6520
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas	94.0	11.0	< 0.1	73.2		151	63	1.6			2	< 0.1		582	26.5	73.3		28.2	5.5	4.8	0.8	4.9	34.3
SDC-1 Cert	103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	30.000
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas	111	20.2	204	64.2	13.1	48.8	102	2.1	1.11	< 0.1	2	1.2	< 0.1	1570	10.9	32.3		10.8	2.1	1.9	0.3	2.1	71.7
GXR-6 Cert	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80	66.0
DNC-1a Meas	63.2	12.1		5.3	19.3	149	45	1.7				0.8		113	3.7			4.7					107
DNC-1a Cert	70.0	15		5	18.0	144.0	38.0	3				0.96		118	3.6			5.20					100.00
DNC-1a Meas																							
DNC-1a Cert																							
SBC-1 Meas	189	14.1	17.9	113	36.9	181	129	8.8	2.22		3	0.8		704	46.6	93.2	12.6	44.9	8.8	7.1	1.0	6.3	34.1
SBC-1 Cert	186.0	27.0	25.7	147	36.5	178.0	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	31.0000
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
SdAR-M2 (U.S.G.S.) Meas	739	1.6		89.4	29.4	147	128	12.9	12.6					1020	40.7	85.0	10.2	34.9	6.6	4.9	0.7	4.8	269
SdAR-M2 (U.S.G.S.) Cert	760	17.6		149	32.7	144	259	26.2	13.3					990	46.6	98.8	11.0	39.4	7.18	6.28	0.97	5.88	236.0000
SdAR-M2 (U.S.G.S.) Meas																							
SdAR-M2 (U.S.G.S.) Cert																							
162960 Orig	107	9.7	385	26.2	24.5	341	57	2.8	0.62	< 0.1	2	0.2	< 0.1	405	19.0	38.0	5.2	19.9	4.6	4.6	0.7	4.0	83.2
162960 Dup	104	9.4	334	25.2	23.2	329	43	1.4	0.47	< 0.1	2	0.2	< 0.1	394	18.3	35.7	4.9	19.0	4.4	4.4	0.6	3.9	81.1
162979 Orig	17.1	11.8	2.3	30.2	11.7	92.9	37	5.2	1.59	< 0.1	8	0.2	< 0.1	245	25.1	48.7	5.6	20.0	3.6	2.8	0.4	2.3	14.7
162979 Dup	17.2	11.8	1.2	30.1	11.9	94.3	42	5.2	1.31	< 0.1	8	0.2	< 0.1	252	26.6	51.6	6.0	20.9	3.9	3.0	0.4	2.4	10.9

Analyte Symbol	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy	Cu
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	0.2	0.1	0.1	0.2	0.1	0.2	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	0.2
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
162979 Orig																							
162979 Dup																							
162998 Orig	46.0	17.1	0.4	63.3	2.3	382	88	0.9	0.49	< 0.1	2	0.4	< 0.1	522	8.5	19.6	2.4	8.6	1.4	0.8	< 0.1	0.4	13.0
162998 Dup	43.8	17.8	< 0.1	65.5	2.0	364	93	0.4	0.33	< 0.1	2	0.1	< 0.1	512	7.4	19.3	2.1	7.3	1.2	0.7	< 0.1	0.3	22.2
163000 Orig	81.0	22.5	2.5	17.9	6.2	79.7	37	0.2	0.67	< 0.1	1	0.3	< 0.1	151	4.0	8.2	1.1	4.9	1.9	1.2	0.2	1.2	140
163000 Dup	79.7	22.3	4.5	17.1	6.0	79.1	33	0.6	0.63	< 0.1	1	0.3	< 0.1	149	3.9	8.0	1.1	4.8	1.9	1.2	0.2	1.2	133
161959 Split Orig	22.6	35.0	< 0.1	46.3	21.4	113	177	8.4	1.68	< 0.1	15	< 0.1	0.1	371	31.8	71.0	8.2	30.9	11.3	4.4	0.7	4.2	678
161959 Split	24.8	36.9	0.1	45.5	22.4	119	156	10.3	1.64	< 0.1	16	< 0.1	< 0.1	381	33.5	72.1	8.7	32.9	12.0	4.6	0.7	4.4	698
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank	< 0.2	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 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	< 0.2
Method Blank																							
Method Blank																							

QC

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas		0.4	2.3	0.3	< 0.1	131		0.47	688	2	3.0	32.2	0.0283	0.060	0.24
GXR-1 Cert		0.430	1.90	0.280	0.175	164		0.390	730	1.58	2.44	34.9	0.036	0.0650	0.257
GXR-1 Meas										2			0.0277	0.058	0.24
GXR-1 Cert										1.58			0.036	0.0650	0.257
GXR-4 Meas		0.2	1.0	0.1	0.5	33.2		3.26	49.2	8	21.6	5.3	0.296	0.132	1.79
GXR-4 Cert		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
GXR-4 Meas										8			0.290	0.132	1.79
GXR-4 Cert										7.70			0.29	0.120	1.77
SDC-1 Meas		0.4	2.7		< 0.1	< 0.1		0.65	23.0	17	9.4	2.1	0.272	0.054	
SDC-1 Cert		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas										15			0.346	0.058	
SDC-1 Cert										17.00			0.606	0.0690	
GXR-6 Meas			1.5	0.2	0.1	0.4		2.06	88.7	28	5.1	1.2		0.037	0.02
GXR-6 Cert			2.40	0.330	0.485	1.90		2.20	101	27.6	5.30	1.54		0.0350	0.0160
DNC-1a Meas			1.9						6.8	32			0.277		
DNC-1a Cert			2.0						6.3	31			0.29		
DNC-1a Meas										32			0.282		
DNC-1a Cert										31			0.29		
SBC-1 Meas		0.5	3.3	0.5	0.5	1.0		0.94	36.2	21	16.5	5.2	0.501		
SBC-1 Cert		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
SBC-1 Meas										22			0.421		
SBC-1 Cert										20.0			0.51		
OREAS 45d (4-Acid) Meas										57			0.137	0.033	0.04
OREAS 45d (4-Acid) Cert										49.30			0.773	0.042	0.049
OREAS 45d (4-Acid) Meas										58			0.267	0.035	0.04
OREAS 45d (4-Acid) Cert										49.30			0.773	0.042	0.049
SdAR-M2 (U.S.G.S.)		0.4	2.8	0.4	0.5	1.0			711	4	15.2	2.2			

Analyte Symbol	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Meas															
SdAR-M2 (U.S.G.S.) Cert		0.54	3.63	0.54	1.8	2.8			808	4.1	14.2	2.53			
SdAR-M2 (U.S.G.S.) Meas										5					
SdAR-M2 (U.S.G.S.) Cert										4.1					
162960 Orig	< 0.1	0.3	1.6	0.2	< 0.1	< 0.1	< 0.001	0.12	4.9	20	3.9	0.9	0.408	0.153	0.75
162960 Dup	< 0.1	0.2	1.6	0.2	< 0.1	< 0.1	< 0.001	0.09	4.9	20	3.7	0.9	0.371	0.141	0.73
162979 Orig	< 0.1	0.2	1.2	0.2	0.2	0.9	< 0.001	0.18	3.8	5	7.0	1.3	0.183	0.033	0.02
162979 Dup	< 0.1	0.2	1.2	0.2	0.3	0.9	< 0.001	0.14	3.7	5	7.4	1.3	0.183	0.036	0.05
162979 Orig										5			0.201	0.025	< 0.01
162979 Dup										6			0.199	0.026	< 0.01
162998 Orig	< 0.1	< 0.1	0.1	< 0.1	< 0.1	0.4	0.006	0.37	10.9	3	1.7	0.6	0.174	0.031	0.04
162998 Dup	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.002	0.37	10.7	2	1.6	0.6	0.166	0.031	0.04
163000 Orig	0.1	0.1	1.0	0.2	< 0.1	< 0.1	0.002	0.09	1.9	36	0.6	< 0.1	0.343	0.020	0.06
163000 Dup	0.2	0.1	1.0	0.2	< 0.1	0.4	0.001	0.09	1.6	37	0.5	< 0.1	0.337	0.021	0.07
161959 Split Orig	< 0.1	0.3	2.3	0.4	0.1	57.8	0.001	0.23	3.9	7	7.5	1.3	0.261	0.038	0.31
161959 Split	< 0.1	0.4	2.4	0.4	0.2	50.9	0.001	0.25	3.9	8	7.9	1.3	0.249	0.038	0.30
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	0.0005	< 0.001	< 0.01
Method Blank										< 1			0.0011	< 0.001	< 0.01
Method Blank										< 1			< 0.0005	< 0.001	< 0.01