

Report on 2015 Drilling Program on the TME/Arimathaea East Property

Porcupine Mining Division, Northeast Ontario
(November 20, 2015 – December 3, 2015)

UTM: 5325100 / 613700E [NAD83] ZONE17

NTS: 42 P/ 12 SW & SE

Worked Performed on Mining Claim: 4249463, 507667, 507668, 507669, 539181

PREPARED ON BEHALF OF TRELAWNEY MINING & EXPLORATION INC.

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SUMMARY

The TME and Arimathaea East Property are both 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 1 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 one unit covering 1808 hectares. Trelawney Mining and Exploration Inc., currently has 100% ownership on the TME East Property. The Arimathaea East Property is owned by Trelawney Mining and Exploration Inc. through its owned subsidiaries Ontario Numbered company 2294167 and Ontario Numbered company 986813. Most of the reported historical exploration in the immediate area of both project areas was concentrated between 1980 and 1990, with the most recent exploration in 2010-11. Historical work included mapping, ground magnetic and VLF-EM geophysical surveys, with local blasting and trenching. Several airborne surveys have also been completed. A small four (4) drill hole program was proposed in an area where Trelawney conducted considerable surface exploration work. 2015 surface exploration consisted of line-cutting, pole-dipole induced polarization (IP), mapping /prospecting and sampling, and humus sampling.

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 steeply south dipping, east-west brittle-ductile deformation zone consists of a number of anastomosing shear structures exhibiting dextral movement. It has overprinted mainly the mafic metavolcanics and to a lesser degree on the Timiskaming sediments and CIC. Fold axis lineation shows a main easterly plunge direction from 35° to 81°, 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.

The late fall drill program was designed to test the chargeability IP responses and develop a better understanding of the litho-stratigraphy and structural relationships along the Ridout Deformation Zone (RDZ) to host gold mineralization. A total of 1547 meters of diamond drilling in four (4) NQ diamond drill holes were completed between November 20 and December 3, 2015 by Laframboise Drilling Inc.

The four (4) drill holes chiefly intersected carbonate-altered and deformed mafic metavolcanics, where mafic pillow to massive flows and volcanoclastics were identified. Inter-formational clastic metasediments form as thin bands and beds up to 7.3 meters drill-intersected width within the mafic pillow and volcanoclastic sequences. Timiskaming Sediments were intersected in two of the drill holes, and CIC were intersected in the two westerly drill holes. Intersections of sulphide-rich (pyrite and lesser pyrrhotite) graphitic argillites and carbonaceous mafic pillow breccia explained the moderate to strong IP chargeability responses. Numerous fractured and altered clastic metasediments (quartz-carbonate stockwork) hosting pyrite and arsenopyrite were intersected in the footwall to the IP chargeability zone. Although no significant gold values were returned, anomalous As up to 5022 ppm were attained. The most significant intercept (85.6 to 93.65) is from drill hole BEN15-07, where an arsenopyrite-rich weak quartz stockwork was intersected. A value of 0.59 g/t Au over 0.55 meters was returned from 86.95 to 87.5. Another anomalous

value was intersected from 296.0 to 296.35, where 0.31 g/t Au over 0.35 meters was attained in a sheared and pyritic mafic pillow flow.

The drill program has identified and confirmed the explanation (graphite and sulphides) of the IP chargeability responses and gave a better understanding to the litho-stratigraphy within the RDZ. Although no significant gold values were returned, the discovery of footwall pyrite-arsenopyrite mineralization within the QTCSW structures hosted in brittle/ductile clastic metasediments and the drill extension of a newly discovered quartz stockwork from prospecting is encouraging. The results from the drilling will allow any future exploration work to prioritize and vector potential gold-arsenic target areas, particularly to the west of the drilling in the area of the surface quartz stockwork.

1.0) Introduction

1.1 General

The TME and Arimathaea East Property are located 110 kilometers south of Timmins, Ontario and 135 kilometers north of Sudbury, Ontario (Figure 1). A small, four (4) drill-hole drill program was carried out between November 20 and December 3, 2015, covering 5 mining claims, numbered 4249463, 507667, 507668, 507669, 539181 in St. Louis Township. A total of 1547 meters of drilling was completed.

The purpose of the 2015 drilling program was to test the chargeability IP responses and develop a better understanding of the litho-stratigraphy and structural relationships along the Ridout Deformation Zone (RDZ) to host gold mineralization. The drilling program focused on the east end of the TME East grid. This report describes and interprets the geology and geochemical results from the 2015 drilling exploration program.

2.0) Property Description and Location

2.1) Location, Access, and Accommodation

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

Both properties can be accessed north from Sudbury or south from Timmins by means of Highway 144 for 135 kilometers and 110 kilometers, respectively. The Trelawney Mining and Exploration Cote Camp site 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 provide direct access to the southern, eastern, and central parts. An access drill trail was used from Benneweis logging road (near KM20), extending between 0.8 km and 2.0 km from the logging road.

2.2) Description of Mining Claims

TME East 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 the TME East 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 owned by Trelawney Mining and Exploration Inc. through its owned subsidiaries Ontario Numbered company 2294167 and Ontario Numbered company 986813.

Figure 1 – Location Map of TME/Arimathaea East Property

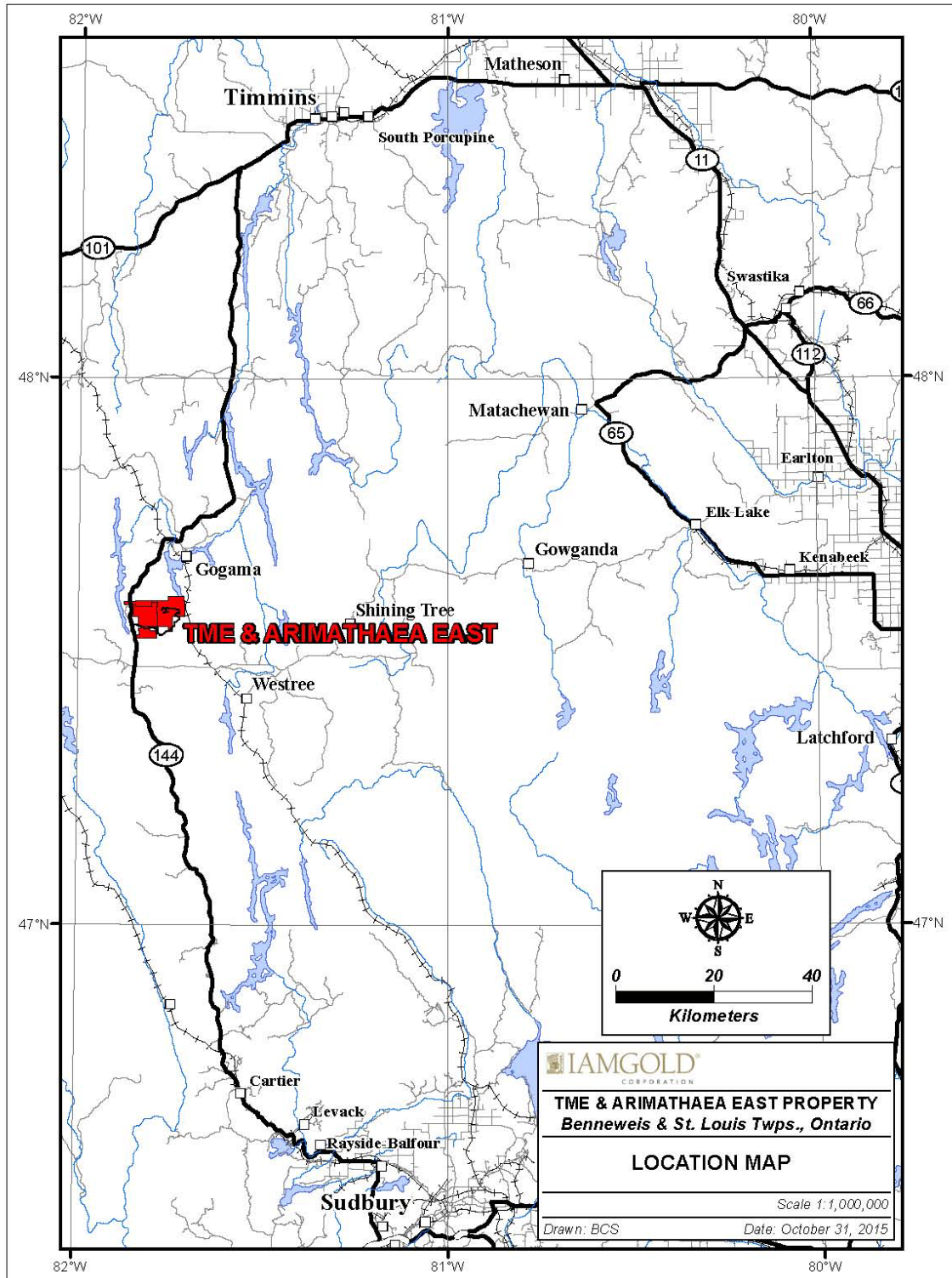


Figure 2 – TME & Arimathaea East Project Claim Map

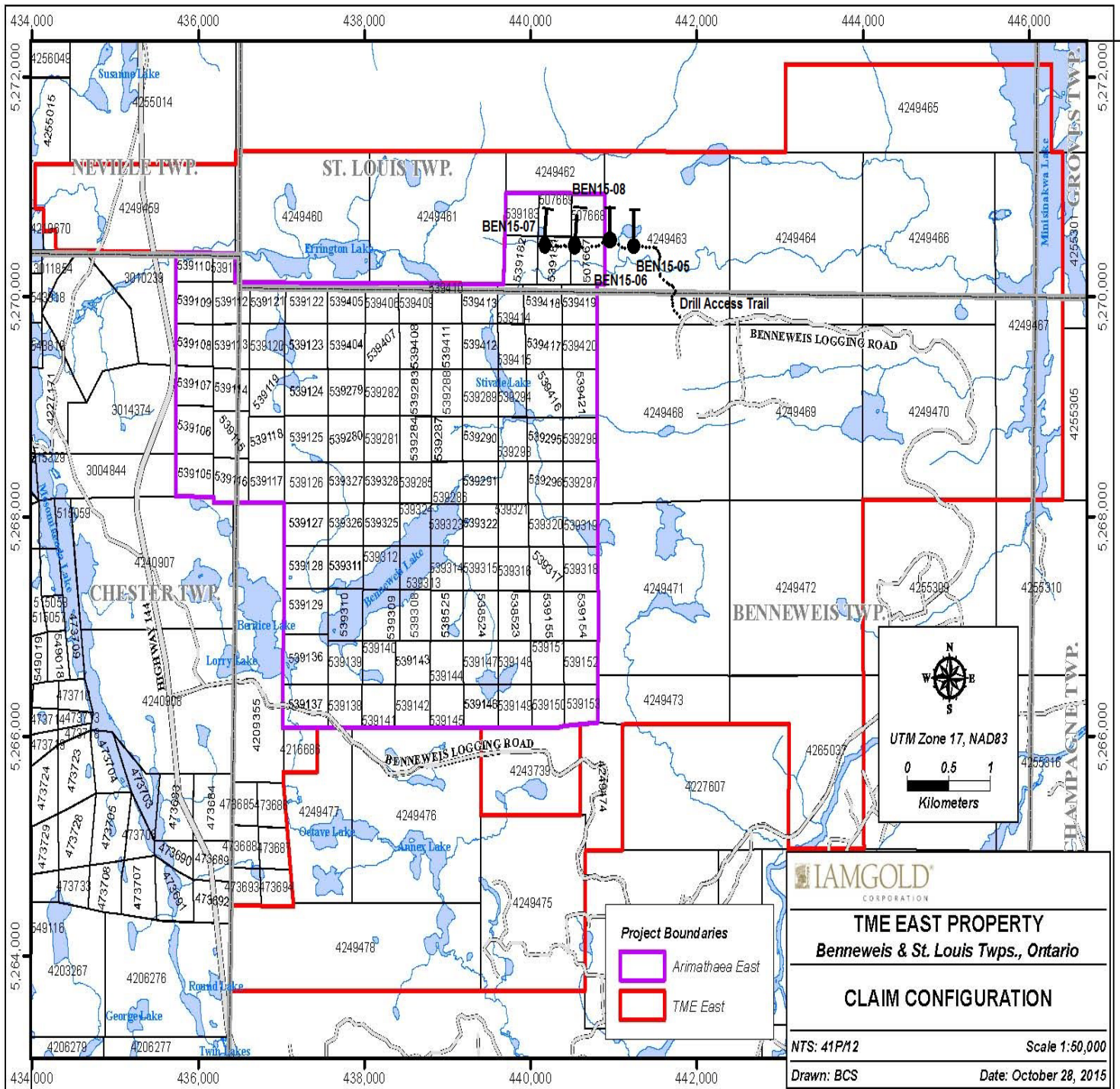


Table 1 – TME East Property Claim Distribution

Claim Number	Units	Area (ha)	Township	Current Ownership	Due Date	Work Due	Reserve (\$)
4249459	12		Neville	Trelawney Mining & Exploration Inc.	February 3, 2016	4800	0
4249460	12		St. Louis	Trelawney Mining & Exploration Inc.	February 3, 2016	4800	0
4249461	12		St. Louis	Trelawney Mining & Exploration Inc.	February 3, 2016	4800	915
4249462	3		St. Louis	Trelawney Mining & Exploration Inc.	February 3, 2016	1200	0
4249463	16		St. Louis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	10,753
4249464	16		St. Louis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249465	16		Groves	Trelawney Mining & Exploration Inc.	February 3, 2016	5779	0
4249466	16		St. Louis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249467	16		Groves	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	16,973
4249468	16		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249469	16		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249470	16		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	479
4249471	16		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249472	16		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249473	4		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	1600	0
4249474	4		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	1600	0
4249475	12		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	4800	241
4249476	16		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6400	0
4249477	7		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	2800	0
4249478	15		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	6000	0
4265037	11		Benneweis	Trelawney Mining & Exploration Inc.	February 3, 2016	4400	0

Table 2 – Arimathaea East Property 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. Overburden thickness is largely unknown with no documentation of overburden thickness, but from this drilling program, overburden is up to 14 meters, and typically less than 3 meters. Overall, bedrock exposures range 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 of 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 Property area is bounded by the 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, both properties are 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 and creeks. The east-central part of the TME East Property area has undergone extensive logging activity.

4.0) Historical Exploration

Most of the historical exploration in the immediate area of both properties was concentrated in the 1980's, between 1980 and 1990, with the most recent exploration in 2010-11 (Table 3). 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 Property. The drill program was designed to test a series of north trending IP chargeability and magnetic targets trending onto TME East. 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, located in the northeastern part of TME East, near Minisinakwa Lake. Drilling intersected sheared and folded greywacke Timiskaming Sediments are cross-cut by quartz veining and host disseminated pyrite. Anomalous gold values were intersected within the main structure and is summarized in Table 4.

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 airborne VLF-EM and gradient magnetic surveys over both 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/Arimathaea East Property

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 Resources	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	Plugger work, blasting, and excavating – KM6-7 Benneweis logging road spur) -no assays/maps – no assays/maps
National Iron 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) Regional Geological Setting

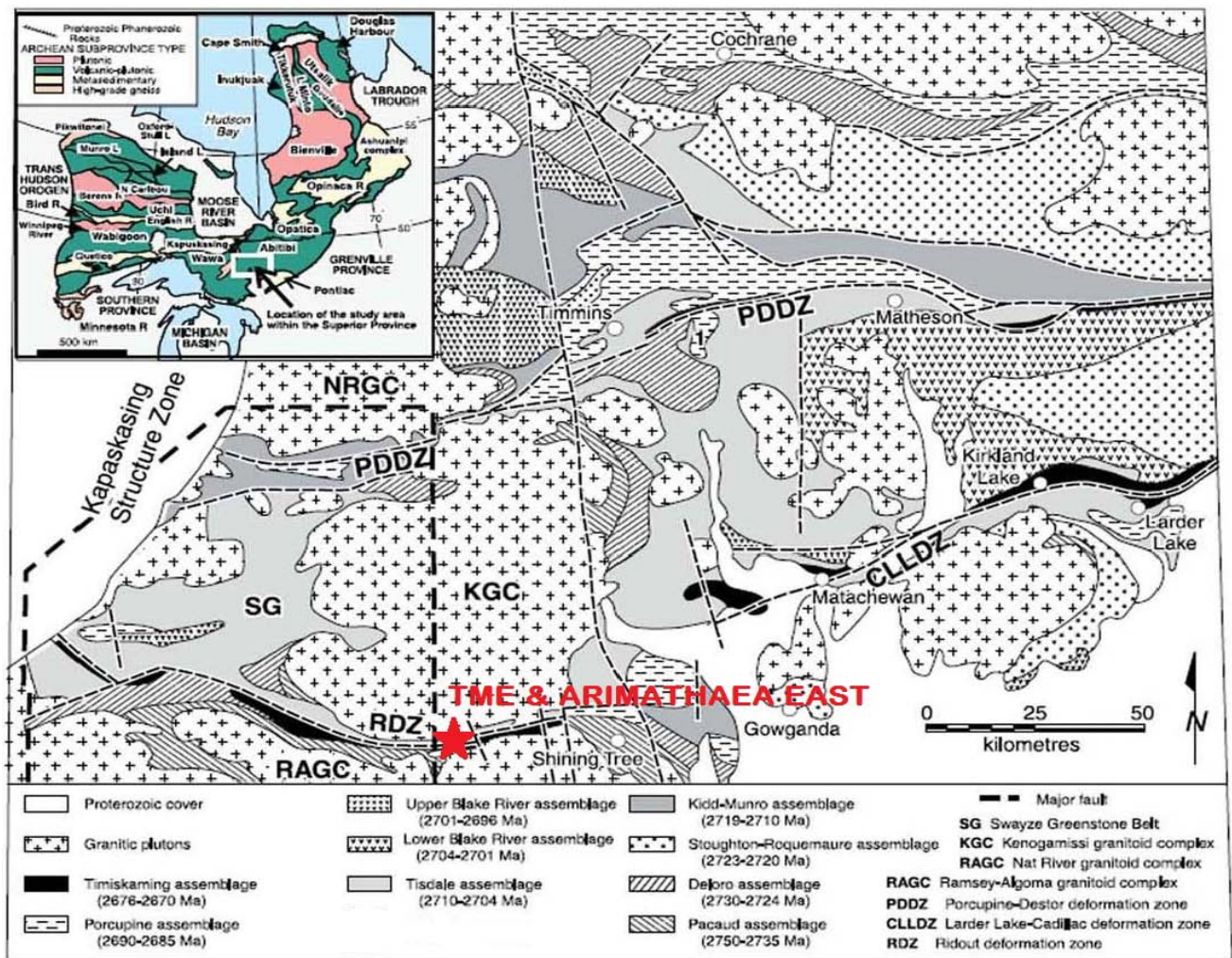
The supracrustal rocks underlying the general area are located in the Swayze area, as part of the Pacaud Assemblage (ca 2750-2735Ma) in the Abitibi Subprovince of the Superior Province in the Precambrian Shield (Figure 3). The eastern part of the Pacaud Assemblage marks the boundary domain between the 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 4). 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 Sediments (ca 2676-2685 Ma) are prominent in the northwestern and northeastern part of the complex, 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 which show contemporaneous timing of the gabbro with the CIC. Gabbro also 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 sequences. 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 southeast striking Biscotasing dike swarm (Lavigne et al – 2012).

The principal regional structure is the Ridout Deformation Zone (RDZ). The RDZ extends 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 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).

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



6.0) Property Geological Setting

The rocks underlying the TME and Arimathaea East Property 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 and 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. 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, as part of a 120 km regional strike length. The RDZ forms a series of anastomosing ductile dextral shear zones, and is up to 300 meters wide. It has largely overprinted 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 approximate contact to the northern margin of the RDZ. It has been described as a moderately to steeply east-northeast to northeast plunging regional sequences, characterized by tight isoclinal folds.

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).

7.0) Deposit Types

The Swayze area is part of the Abitibi Subprovince, which 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, showing similarities to multiple intrusive related to gold mineralization with a mesothermal overprint, such as the Lebel alkali syenite intrusive in Kirkland Lake and the Chester Intrusive Complex at Côté Gold Deposit

The potential of gold mineralization on both properties fit more the orogenic style, but both these styles of mineralization are present. 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 Timiskaming Sediments at their contacts is conducive to the orogenic model. Lode-gold quartz vein and wallrock replacement in shear environment (e.g. RDZ and their splays) are characteristic in most mining camps in the Canadian Shield.

8.0) Summary of 2015 Diamond Drill Program

The autumn 2015 diamond drill program was designed to follow up Trelawney's ground IP chargeability and airborne magnetic responses, as well as earlier mapping and prospecting results in 2015. Prior to the 2015 drill program, surface exploration work carried out by Trelawney consisted of line-cutting, pole-dipole IP survey, grid mapping, prospecting, and humus sampling. This work led to a range of weak to strong chargeability zones, and the discovery of a quartz stockwork zone from the prospecting part of the surface program. Although no significant gold mineralization was returned from surface sampling, the IP chargeability responses were not explained by surface mapping and prospecting.

The diamond drill program commenced November 20, 2015 and was completed on December 3, 2015 by Laframboise Drilling Inc. (P.O. Box 400, Earlton, Ontario, P0J 1E0). The drilling was conducted on claims 4249463, 507667, 507668, 507669, and 539181 in St. Louis Township. A total of 1547 meters of diamond drilling in four (4) diamond drill holes were completed during this time, with the size of core being NQ. The drilling program is located in the eastern part of the TME East grid area. This report describes and interprets the drilling results of the four (4) diamond drill holes, BEN15-05 to BEN15-08. Drill-hole survey data is presented in Table 5.

Drill logs, assay certificates, and QA/QC charts are located in Appendix 1, 2, and 3, respectively. A drill plan and four drill sections are presented in Appendix 4 and 5, respectively, as well as, illustrated in the following discussion of results.

Table 5 - Drill Hole Survey Data

Drill Hole	Northing	Easting	Elevation (m)	Azimuth	Collar Dip	Depth (m)
	(Nad 83)	(Nad 83)				
BEN15-05	5270500N	441400	408	360	-50	431
BEN15-06	5270575	441000	398	360	-46	224
BEN15-07	5270485	440200	406	360	-50	449
BEN15-08	5270485	440600	407	360	-50	443

9.0) Analytical Quality Control and Quality Assurance

An aggregate total of 832 samples (including standards and blanks) were collected and analyzed from this four (4) drill-hole program. Samples were analyzed by SGS Laboratories (1209 O'Neil Drive West, Garson, Ontario P3L 1L5) and 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 both laboratories, and/or picked up by transport and SGS personnel. All samples were analyzed for gold by fire assay/AA and SGS carried out a 49 element ICP-OES and ICP-MS rock package. All methods used, analyses, and detection limits are on hand in the form of assay certificates provided in Appendix 2.

Both SGS and Activation Laboratories (Actlabs) is accredited by the Standards Council of Canada for accredited methods. Sample preparation, analytical and quality control procedures employed are mutually similar in procedure and are as follows:

9.1) Sample Preparation

Once the samples have been received, they are entered into a Laboratory Information Management System (LIMS) 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 crushed up to 90% passing through a 2 mm and rifle split 1000 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.

9.2) Gold Analyses

A fire assay with an atomic absorption finish was used for gold analyses. All Au analysis is performed at a 50g charge by fire assay using lead collection with a silver inquart. The beads are then digested and an atomic absorption finish is used. The detection limit is 5 ppb

9.3) Multi Scan Analyses

Multi scan analysis (49 element) 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. Detection limits are outlined in the assay certificates in Appendix 2.

9.4) Whole Rock Package

A lithium borate fusion with an ICP-AES finish is used. This resulted in a 12 oxide element package with LOI and Total being measured. This package did not include rare earths or immobile elements such as Ta, Y, Zr, and Nb.

9.5) Laboratory and 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. Actlabs 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-analysed.

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 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 one standard and blank into this sample batch 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.

9.6) Discussion of Standard/Blank Analysis

A total of 66 standard and blank samples were inserted into the core sample sequence, as every twelfth sample. QA/QC charts are presented in Appendix 3.

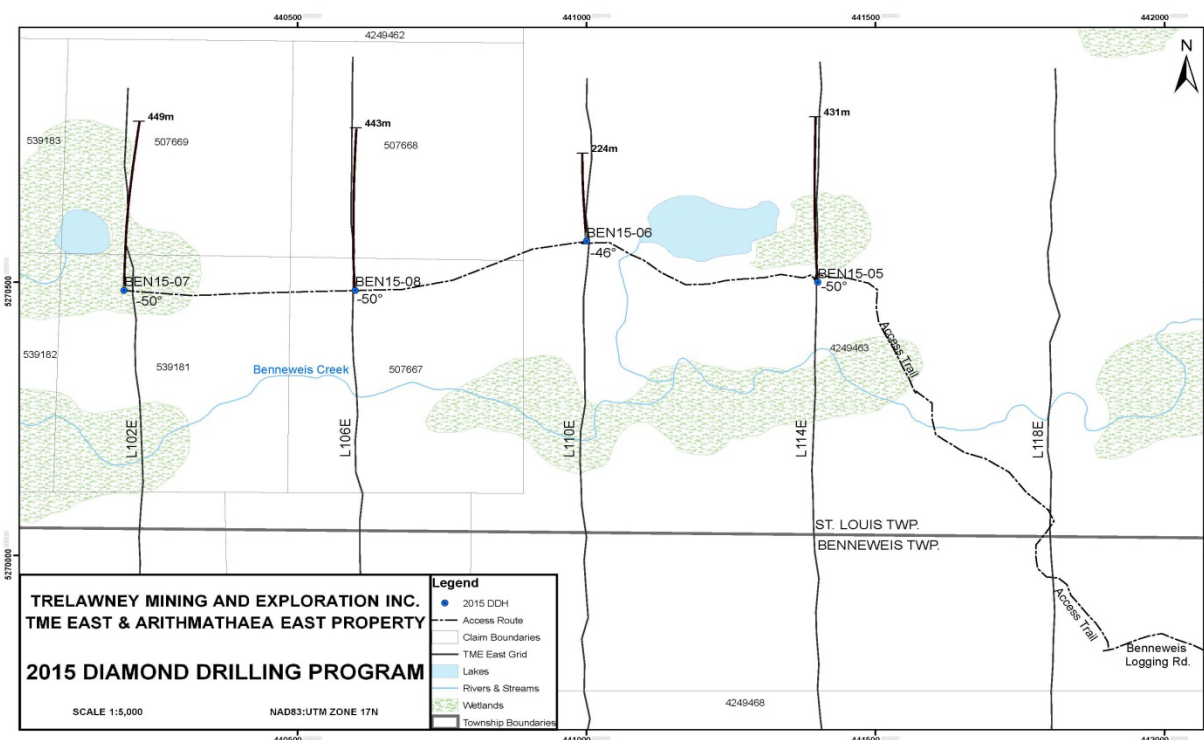
There were no failures with the blanks and of the four (40 standards, there was only one failure (Oreas 504 - 422984) outside the high limit of +3Sdv with no technician errors identified. The noted failure is from drill hole BEN15-05.

10.0) Discussion of Results from 2015 Drilling Program

The following discussion summarizes the geological and assay results from each drill-hole, BEN15-05 to BEN15-08, highlighting the rock type intercepts and mineralization encountered..

A location drill plan is illustrated in Figure 5 and in Appendix 4 with drill sections illustrated in both the discussion of results and in Appendix 5.

Figure 5 – 2015 TME/Arimathaea East Drill Plan



BEN15-05

This diamond drill hole is located in the northern-central part of the TME/Arimathaea East Property in the eastern part of the TME East grid, within the RDZ (Figure 5). This hole was designed to test the extension of a weak to moderate chargeability zone with a coincidental low resistivity and strong magnetic low feature, on line 114+00 East. It is also tested the litho-stratigraphy across and the RDZ, near the sheared contact between the Timiskaming Sediments and mafic metavolcanics. Surface mapping and prospecting uncovered a localized silicified quartz porphyry dyke in the area of the IP chargeability, returning anomalous arsenic up to 510 ppm.

Steeply north dipping, and sheared, mafic metavolcanics account for 78% of the rock type intercepts in BEN15-05 (Figure 6). The unaltered mafic metavolcanics are generally mafic pillow to massive flows with mafic volcaniclastics being more prolific in the bottom part of the drill hole. The unaltered mafics are typically green, dark green, to greenish black color in color, being mafic in composition with weak to moderate regional chlorite alteration. Moderate to strong, pervasive calcite-rich carbonate alteration is the dominant alteration of the mafic metavolcanics and generally occurs in the very fine-grained matrix. Gradationally stronger talc and Mg-rich chlorite underlies an area between 395.0 and 399.7, suggesting an ultramafic affinity. Pillow textures in pillow flows with flow breccia textures and relict primary banding in volcaniclastics have been locally preserved, although the mafic metavolcanics have undergone extensive carbonate alteration and deformation.

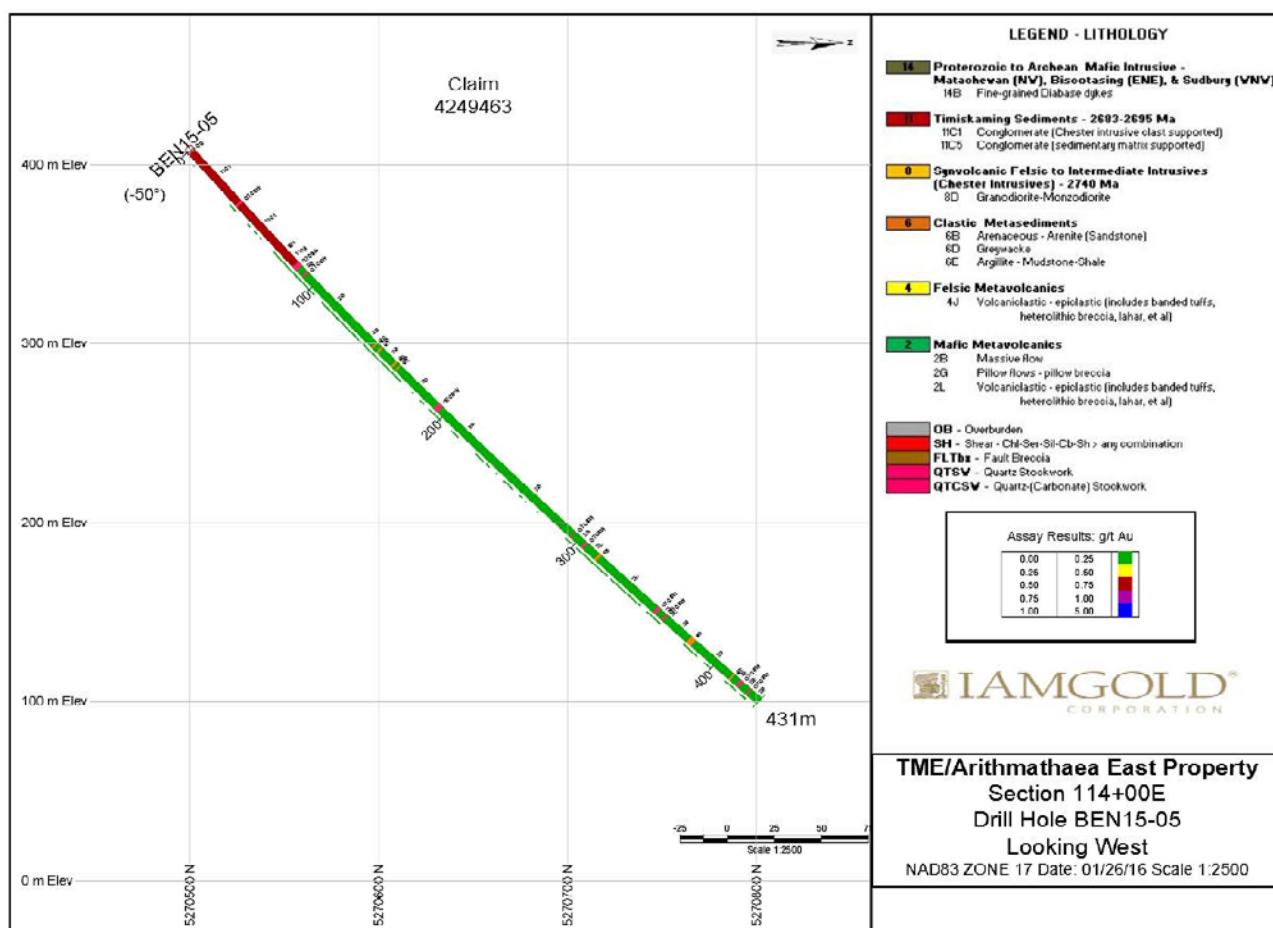
Timiskaming Sediments account for 20% of the rock types of this hole, primarily found in the top part from the collar location to 84.3. The intercept consists of interbedded conglomerate with greywacke. Greywacke constitutes 20% to 30% of the unit. They are greenish-gray, pinkish-gray to pinkish-green, and green color. It is intermediate in composition with moderate to locally strong chlorite and strong carbonate along shears. There is moderate hematite dusting in the matrix and clasts, giving a pinkish hue to the matrix. A strong sericitic-carbonate shear was intersected between 72.4 and 77.0 within the Timiskaming Sediments, displaying small Z-shaped parasitic folds.

Greywacke shows a well developed banded and bedded texture with general fining towards the bottom of the interval towards 72.5. Conglomerate inter-beds are generally well sorted and matrix supported with dominant CIC clasts in a reworked chloritic-(sericitic) volcanic derived matrix. The CIC tonalite /granodiorite clasts are typically between 5 cm and 15 cm in size, with some clasts up to 30 cm in size. The clasts are sub-elliptical to sub-rounded in shape, having undergone moderate to strong shearing.

. Clastic Metasediments in the form of thin inter-formational clastic and graphitic metasediments occur within the mafic metavolcanics and account for the remaining 2%. The metasediments range from 0.95 meters to 3.25 meters wide (drill intersected width). They vary in color from black, dark gray, to light gray. Argillaceous metasediments with mafic volcaniclastics are the dominant rock type with relatively thicker arenaceous beds near the lower part of the drill-hole, from 313.3 to 314.8 and from 380.45 to 383.7. The

argillaceous horizons have undergone moderate to locally strong sericite-(muscovite) and carbonate alteration associated with the high sulphide content. The more graphitic argillaceous metasediments frequent the central part of the drill hole, and are generally found within the mafic pillow flow sequences. They occur as hyaloclastite pillow interstices and as carbonaceous fractures and seams, as well as inter-formational breaks within the mafic sequence. The arenaceous units have undergone weak silicification and sericite alteration with moderate carbonate alteration. Although strongly sheared/foliated, faint banding and laminations are weakly preserved.

Figure 6 - BEN15-05 Drill Section (looking west)



Drill-hole BEN15-05 intersected a number of quartz-carbonate stockwork (QTCSW) and graphitic zones within the sheared mafic metavolcanics of the RDZ (Table 6). Both range up to 0.7 meters to up to 3.0 meters drill intersected thickness. The wallrock of the QTCSW have undergone moderate to strong carbonate alteration with local sericite alteration and are cross-cut by 15% to 35% quartz-carbonate and quartz stringers and veinlets up to 16 cm wide. Sulphide mineralization is typically sparse in the QTCSW, generally <1% pyrite.

The only exception is a section from 356.45 to 358.0, where 5% pyrite with <1% chalcopyrite and arsenopyrite in veinlets and stringers and at vein/wallrock contact. Although no significant gold assays were returned from any of the sampling, it did confirm anomalous arsenic up to 481 ppm.

The main target IP chargeability zone is explained by a number of thin graphitic and sulphide rich intervals from 145.7 to 164.1. The graphitic intervals are hosted by intercalated argillite and altered mafic volcanics, where disseminated and minor fracture-fill pyrite are up to 15%. Although no significant gold values were returned, they appear to be anomalous in As and Zn with Bi and Te.

Overall, the highest gold value returned is 30 ppb Au within local fractured mafic pillow flows.

Table 6 – Summary of BEN15-05 Significant Shears & Mineralized Intercepts

Drill Hole	Final Depth	From	To	Width (m)	Au (ppb)	Pathfinders (up to – ppm)	Significant Intercepts
BEN15-05	431	72.4	77.0	4.6	<5	None	Sericite-Carbonate Shear (Timiskaming Sediments) - strong sh/fracture controlled strong ser-cb, strongly sh and folded (z and m-shape), 3% to 5% qs/qcs, up to 1% py.
		145.6	146.0	0.4	<5	As (481 ppm) Sb (2.6 ppm)	Graphitic Mafic Volcaniclastic (Mafic Pillow Flow) – strong pervasive cb>ser with strong gf bands up to 17 cm wide; <1% to local 5% disseminated and sh seams of py
		149.2	149.8	0.6	16	Zn (450 ppm) As (122 ppm) (Bi-Te)	Graphitic Argillite – strong gf with sil, local 10% to 15% py and up to 1% cpy
		160.35	161.5	1.25	<5	Zn (287 ppm) (Bi-Te)	Graphitic Argillite – strong gf and cb, banded, 5% to 10% fracture-fill pyrite
		303.5	305.05	1.25	<5	(Sb - 5.4 ppm)	Quartz Carbonate Stockwork – strong cb & sh/folded; 20% to 30% qs/qcs; 5% to 10% disseminated po>py-(cpy-aspy) mostly in wr and local disseminations in veining
		313.3	314.8	1.5	7	Sb (32.7 ppm)	Pyritic Arenite – wk gf and strong cb; vfg laminated and banded py in fold limbs and nose; 10% to 35% vfg to fg disseminated py in banded form
		356.0	358.1	1.55	<5	As (137 ppm)	Quartz-(Carbonate) Stockwork – strong cb with ser; 10% qs/qcs and sh, strongly contorted and deformed with qs/qcs boudins; 4% disseminated/fracture-fill py in vn with cpy and aspy splashes in vn and along vn/wallrock contacts
		411	412	1.0	5 & 10	Cu (350 ppm) As (127 ppm) (Sb-Te-Bi)	Graphitic Argillite – strong gf associated with chl, 5% qcs, 5% to 15% py

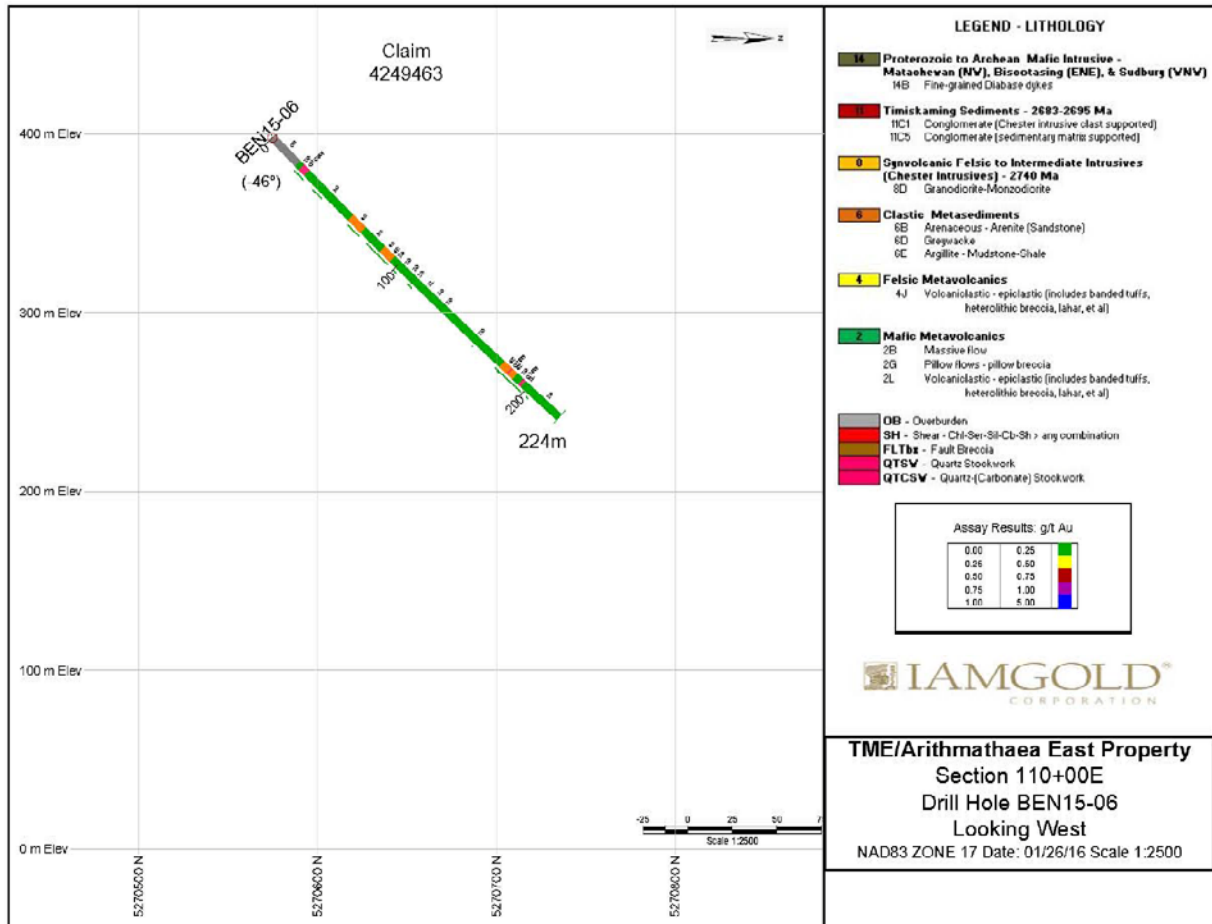
BEN15-06

This diamond drill hole is located in the northern-central part of the TME/Arimathaea East Property in the eastern area of the TME East grid, within the RDZ (Figure 5). Drill-hole BEN15-06 is located 400 meters west of BEN15-05, along the same IP chargeability trend, on Line 110+00 East. This hole is designed to test the strongest IP chargeability of IP survey, with a coincidental resistivity low in a strong magnetic low feature. Mapping and prospecting did not explain the nature of the IP chargeability.

Mafic metavolcanics are the dominant rock type intersected in BEN15-06, accounting for approximately 80% of the drill hole (Figure 7). Mafic pillow to massive flows and volcanoclastics with minor flow breccias have been largely recognized within the mafic metavolcanics litho-stratigraphy. The mafic metavolcanics are largely reworked proximal to the clastic metasedimentary sequences. The unaltered mafic metavolcanics are typically green to greenish-black and dirty brownish beige greenish gray colors. These rocks are mafic in composition with moderate to strong carbonate alteration and weak to moderate regional chlorite alteration. There is increased sericite-muscovite alteration within the mafic volcanoclastics, with local silicification near QTCSW structures. Mafic pillow flows generally have characteristic calcite-rich carbonate hyaloclastite interstices ranging < 0.5 cm to 5 cm, with local graphitic and argillaceous pillow interstitial. Pillows vary in size from 2 cm to 15 cm, and are generally tightly packed and have undergone moderate to strong shearing. Mafic volcanoclastics are intercalated and interbedded with the clastic metasediments and show gradational contacts. The mafic metavolcanics have undergone moderate to strong shearing, with the recognition of contorted, crenulated, and folded features, particularly in the mafic volcanoclastics.

The remaining 20% of the rock type intercepts in the drill hole are clastic metasediments with minor chemical metasediments in the form of chert to cherty tuff. These rocks are well distributed throughout the drill hole, having a 0.25 meter to 11.70 meter drill indicated thickness. They are mainly laminated to banded and bedded argillite with greywacke and mafic volcanoclastic inter-beds. Minor chert has been recognized within the mafic pillow selvages from 79.6 to 87.2. These rocks vary in color from dirty brownish beige, black, grayish-white, and dirty greenish gray. The argillaceous rocks are micaceous with a moderate to strong sericite and muscovite component to the mineralogy, whereas the greywacke and arenaceous are intermediate and siliceous (quartz-feldspathic) in composition, respectively. The argillaceous rocks are strongly calcite-rich carbonate altered, whereas the greywacke and arenaceous metasediments are weakly to moderately carbonate altered. There are two major graphitic units, with banded/bedded graphitic argillite and argillite from 87.2 to 91.2, and a thin graphitic argillite inter-formational from 112.75 to 114.7. The clastic metasediments have undergone strong folding as reflected by the contorted and crenulated bands and beds, with several parasitic nose folds being identified (e.g. 180.1 to 185.5).

Figure 7 - BEN15-06 Drill Section (looking west)



A small diabase dyke was intersected between 195.7 and 196.0. It is typically black in color, mafic in composition, being very-fine grained and aphanitic. It is weakly magnetic with sharp upper and lower contacts.

The predominant sulphide encountered is pyrite with local pyrrhotite, arsenopyrite, and chalcopyrite. Pyrite generally occurs as very fine-grained disseminations, with increase concentrations between 1% and 5% in the strongly graphitic argillites. Three quartz and quartz-carbonate stockwork were intersected, with the most notable mineralized structure between 194.45 and 196.45. The wallrock in this section is cross-cut by 5% to 95% quartz-carbonate stringers and veins are up to 40 cm in width, and are moderately to strongly altered to sericite-muscovite with an overall strong pervasive carbonate alteration. The sulphide content is variable, ranging from <1% to 10%, with 5% pyrite, 1% to 3% arsenopyrite, and 2% pyrrhotite hosted in a quartz vein from 194.45 to 194.85. The sulphides occur as fracture-filling, and generally increase and the upper and lower contact in the host argillite.

Although no significant gold values were returned in any of the mineralized sections, the quartz stockwork from 194.45 to 196.45 returned the most anomalous pathfinders in As-Zn-Cu-(Bi-Te) pathfinders (Table 7).

Table 7 – Summary of BEN15-06 Significant Mineralized Intercepts

Drill Hole	Final Depth	From	To	Width (m)	Au (ppb)	Pathfinders (up to - ppm)	Significant Intercepts
BEN15-06	224	87.2	91.2	4.00	<5		Interbedded Graphitic Argillite and Argillite - strong gf from 87.2 to 88.65, 89.4 to 89.7, and 90.8 to 91.2; folded and contorted, scattered up to 1% py-(aspy?)
		112.7	113	0.3	8	Zn (235 ppm), Te (0.11 ppm)	Graphitic Argillite – strong gf and mod to strong cb, sh/banded texture, local 5% to 10% py in gf section at 112.85, < 1% to 5% qcs, overall < 1% py
		182.0	182.5	0.5	45	As (290 ppm)	Pyritic Argillite/Arenite – siliceous composition & strong variable cb, contorted beds; up to 5% qcs; 5% diss. py>po with cpy
		194.45	195.7	1.25	<5 to 9	As (1977 ppm), Zn (259 ppm), Cu (364 ppm), and (Bi-Te)	Quartz Stockwork – siliceous and argillaceous composition; strongly fractured with 30% to 40% qcv/qcs; 5% to 10% py-(po) and up to 1% aspy in vns and 1% to 2% py in wallrock

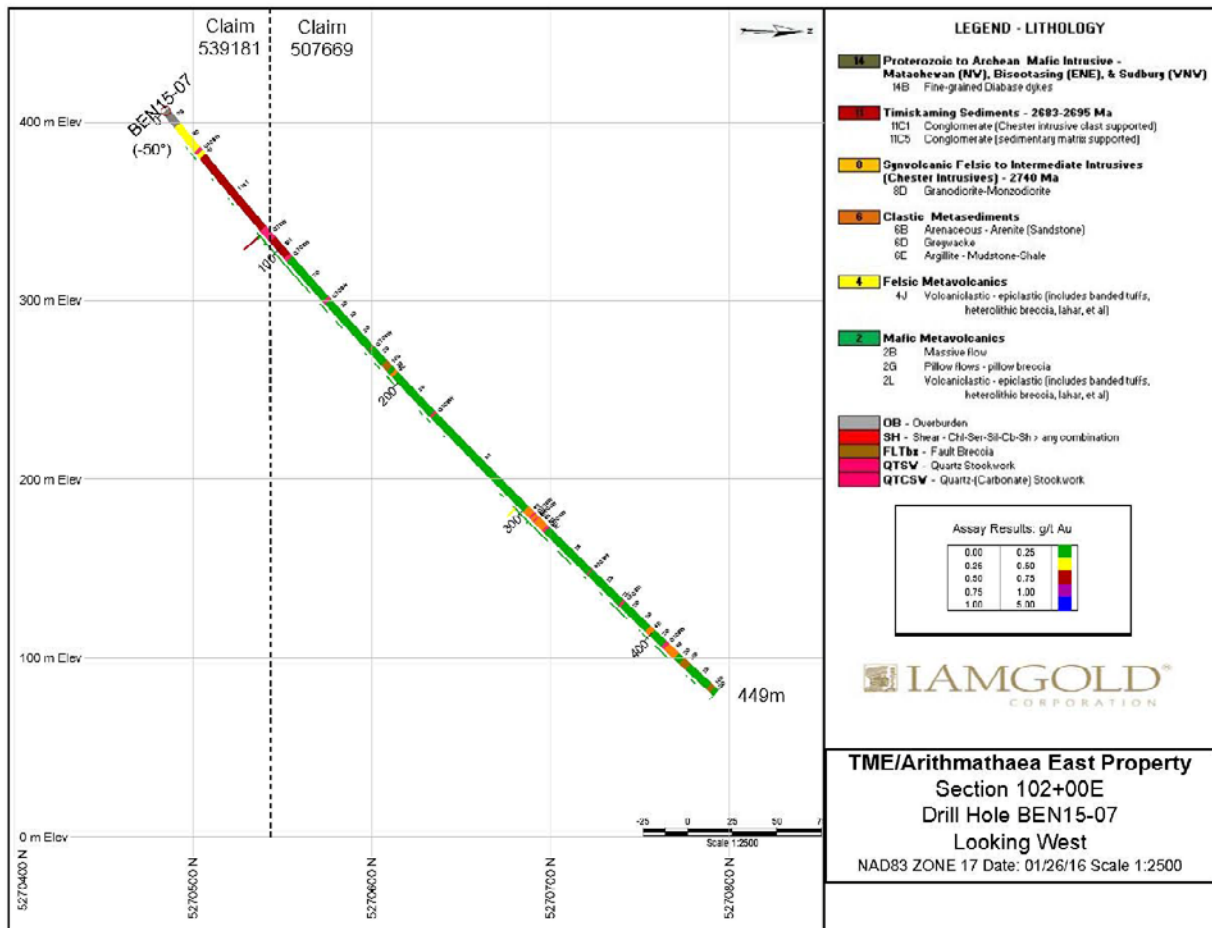
BEN15-07

This diamond drill hole is located in the northern-central part of the TME/Arimathaea East Property and is the western most drill hole of this drill program (Figure 5). Drill-hole BEN15-07 is located 1200 meters west of BEN15-05, along the same IP chargeability trend, on Line 102+00 East. This hole is designed to test;

- 1) Strong IP chargeability with a coincidental resistivity low.
- 2) Intersection between a northwestern magnetic low break and the IP chargeability zone.
- 3) Western strike extent of the quartz- stockwork zone discovered by prospecting.
- 4) Litho-stratigraphy across and the down-dip extension of the RDZ.

Mafic metavolcanics are the dominant rock type intersected in BEN15-06, accounting for nearly 75% of the litho intercepts in the drill hole (Figure 8). Mafic pillow flows with pillow

Figure 8 – BEN15-07 Drill Section (looking west)



breccias to massive flows with have been largely recognized within the mafic metavolcanics litho-stratigraphy. The mafic metavolcanics are largely reworked proximal to the clastic metasedimentary sequences, reflected by the recognition of mafic volcaniclastics. The unaltered mafic metavolcanics are typically green to greenish-black and dirty brownish beige greenish gray colors. They are mafic in composition with moderate to strong carbonate and weak to moderate regional chlorite alteration and local disseminated white leucoxene. There is increased sericite-muscovite alteration within the mafic volcaniclastics with silicification and albite alteration associated with inter-formational arenaceous metasediments near QTCSW structures. Mafic pillow flows have a characteristic calcite-rich carbonate hyaloclastite interstices ranging < 0.5 cm to 2 cm, with local graphitic and argillaceous pillow interstitial. Pillows vary in size from <1 cm to 50 cm, and are generally tightly packed and moderately to strongly sheared. Mafic volcaniclastics are intercalated and interbedded with the clastic metasediments and show gradational contacts. Overall, the mafic metavolcanics have undergone moderate to strong shearing, with the recognition of contorted, crenulated, and folded features, particularly in the mafic volcaniclastics.

The Timiskaming Sediments account for 12% of the drill hole and are found in the upper part of the hole. A 52.6 meter intercept of interbedded conglomerate and arkosic-wacke was

intersected from 33.0 to 85.6. The color is variable from grayish-green, gray, to reddish gray/green. The unaltered composition is siliceous with weak to locally moderate sericite-(chlorite) and weak carbonate alteration. Moderate to strong reddish hematite dusting occurs from 35.0 to 50.5 and from 68.9 to 85.6. Conglomerate inter-beds are generally well sorted and clast supported with dominant CIC clasts in a reworked quartz-eye and feldspar crystal rich volcanic derived matrix. The CIC tonalite /granodiorite clasts are typically between 2 cm and 5 cm in size, with some clasts up to 40 cm in size. The clasts are sub-elliptical to sub-rounded in shape, having undergone moderate to strong shearing. Arkosic-wacke crystal-rich sections are characteristic of well-developed bedded sections.

Clastic metasediments form several thin bedded sequences, and are generally found through the last half of the drill hole and account for 6% of the drill intercept. They commonly form as inter-formational horizons within the mafic metavolcanics. They vary in drill intersected thickness from 1.9 meters to 7.3 meters with the main clastic metasedimentary intercepts between;

193.8 to 195.75 – Graphitic argillite/mafic volcanoclastic

301.0 to 315.9 – Arenaceous and fractured arenite (QTCSW)

396.75 to 400.3 – Laminated and bedded argillite and greywacke

411.6 to 418.9 – Arenite and Mafic Volcanoclastic

Arenaceous clastic metasediments appear to be the more prominent type of clastic metasediments and have undergone local fracturing and hydrothermal alteration. The arenaceous metasediments have a characteristic light gray to grayish white, and dirty beige gray colors. The unaltered mineralogy is siliceous in composition, being quartz-feldspathic with gradual increase in alteration from 304.0 to 315.9. Alteration consists of variable moderate to strong sericite with disseminated and fracture-fill fuchsite and wispy ankerite, weak to strong pervasive calcite-rich carbonate alteration, and locally banded strong silicified/albitized alteration. The alteration is directly associated the QTCSW.

The CIC was intersected at the very top of the drill hole, from collar to 28.1. It is light greenish gray in color, being felsic to intermediate in composition with strong sericite and weak carbonate alteration along the shear fractures or fracture cleavage. It consists of 5% to 10% very fine to coarse grained bluish-gray quartz-eyes in a very fine grained felsic to intermediate matrix. The sub-elliptical to sub-rounded shaped quartz-eyes give the CIC a porphyritic texture. A thin, fault bounded felsic volcanoclastic crystal tuff marks the fault boundary between the CIC and the down-hole intercept of the Timiskaming Sediments.

The remaining 3% of the rock types intersected in the drill hole is diabase. It was intersected in the bottom part of the drill hole as two thin dykes up to 5.05 meters drill intersected thickness. It is typically dark green to greenish black in color, mafic in composition with weak carbonate, being very-fine grained and aphanitic. It is moderately

magnetic with sharp upper and lower chill contact zones. The latter diabase dyke is relatively more broken up.

A number of faults were recognized in the upper part of the drill hole from 10.55 to 30.10. The most significant fault zone is from 26.1 to 30.1 within the CIC, which shows fault gouge, breccia, and buckled folding with patchy silicification and chlorite-carbonate alteration.

The predominant sulphide encountered is pyrite and arsenopyrite, with chalcopyrite, sphalerite, and pyrrhotite. Pyrite generally occurs as both very fine-grained disseminations, and fracture-filling, with arsenopyrite occurring as disseminated fine to coarse elongated prismatic crystals in a weak QTSW from 85.6 to 93.65. Localized intermittent disseminations of arsenopyrite range from 1% to 10% in both wallrock and veining. There is variable pyrite with pyrrhotite concentrations between 1% and 20% in strongly graphitic argillites. Numerous quartz and quartz-carbonate stockwork structures were intersected, with the most notable mineralized structure between 85.6 and 93.65. The wallrock in this section is cross-cut by up to 30% (average 13% to 18%) quartz-carbonate stringers and veins up to 40 cm in width. There is strong sericite alteration about the veining, as well as <1% to 5% black tourmaline with epidote. The sulphide content is variable, ranging from <1% to 10% with local 5% to 10% disseminated arsenopyrite crystals and occasional to widely scattered <1% pyrite. Arsenopyrite occurs locally as fracture-filling in veining, as from 86.95 to 87.50, where anomalous gold returned 586 ppb Au over 0.55 meters. Another anomalous gold value of 313 ppb Au over 0.35 meters is reported in Table 8 between 296.0 and 296.35. No other significant gold values were returned in any of the remaining mineralized sections. ICP results are pending.

Table 8 – Summary of BEN15-07 Significant Mineralized Intercepts

Drill Hole	Final Depth	From	To	Width (m)	Au (ppb)	Pathfinders	Significant Intercepts
BEN15-07	449	86.95	87.5	0.55	586	Pending	Quartz Stockwork - locally mod-strong ser-(chl), 20% qcs/qs, tour, 1% to 2% aspy fracture-filling and <1% py; part of wk QTCSW from 85.6 to 93.65
		138.35	140.3	1.95	<5	Pending	Quartz-(Carbonate) Stockwork – moderate ser, 15% to 50% qcs, 1% to 2% po-py-cpy-aspery
		152.7	153.2	0.5	<5	Pending	Graphitic Mafic Pillow Flow Breccia – locally strong 0.5 m wide gf interval; scattered qcs/qs; <1% to 2% diss/fract-fill py-sp
		193.8	195.75	1.95	9 to 23	Pending	Graphitic Argillite - strongly graphitic with 5% qcs/qs; <2% to 20% py-po with < 1% cpy
		225.9	227.3	1.4	<5	Pending	Quartz-Carbonate Stockwork - strong cb, 15% to 20% qcs/qcv, <1% to 4% disseminated po>py
		296.0	296.35	0.35	313	Pending	Mafic Pillow Flow with Arenite Band – strong cb & wk chl, up to 1% qcs, 5% disseminated and fracture-fill py with up to 1% po
		308.6	309.5	0.9	<5 & 6	Pending	Quartz-(Carbonate) Stockwork - weakly sil with 20% to 25% qcs and up to 1% to 2% py and aspy
		375.85	377.3	1.45	<5 & 11	Pending	Quartz-Carbonate Stockwork - strong cb and mod ser, 20% to 25% qcv and 1% to 3% disseminated py-aspery and as patchy sulphides in vn
		379.7	380.7	1.0	<5	Pending	Sericitic-Carbonate Altered Mafic Flow – strong cb and ser, strongly sh, <1% to 10% qcs, 5% disseminated and patchy py
		409.3	411.6	2.3	<5	Pending	Quartz-Carbonate Stockwork - strong cb and wk-mod ser, 5% to 65% qcs/cs, 1% to 5% py in vn/wr and in vns

BEN15-08

This diamond drill hole is located in the northern-central part of the TME/Arimathaea East Project and lies 400 meters east of drill hole BEN15-07 on Line 106+00 East along the same IP chargeability trend. This hole is designed to test a moderate IP chargeability with a coincidental resistivity low. A dominant northwestern magnetic low break intersects the IP chargeability zone. The drill hole is also to test the down-dip extension of the quartz-stockwork zone found from prospecting, as well as, test the litho-stratigraphy across the RDZ.

Mafic metavolcanics are the dominant rock type intersected in BEN15-08, accounting for approximately 65% of the drill hole (Figure 9). Mafic pillow to massive flows and volcanoclastics have been largely recognized within the mafic metavolcanics litho-stratigraphy. The mafic metavolcanics are largely reworked proximal to the clastic metasedimentary sequences. The unaltered mafic metavolcanics are typically green to greenish-black, and dirty brownish greenish gray colors. They are mafic in composition with moderate to strong carbonate alteration and weak to moderate regional chlorite alteration. There is increased sericite-muscovite alteration within the mafic volcanoclastics with local silicification near QTCSW structures. Mafic pillow flows generally have a characteristic calcite-rich carbonate hyaloclastite interstices ranging < 0.5 cm to 5 cm, with local graphitic and argillaceous pillow interstitial. Pillows vary in size from 2 cm to 15 cm, and are generally tightly packed and moderately to strongly sheared. Mafic volcanoclastics are intercalated and interbedded with the clastic metasediments and show gradational contacts. The mafic metavolcanics have undergone moderate to strong shearing, with the recognition of contorted, crenulated, and folded features, particularly in the mafic volcanoclastics.

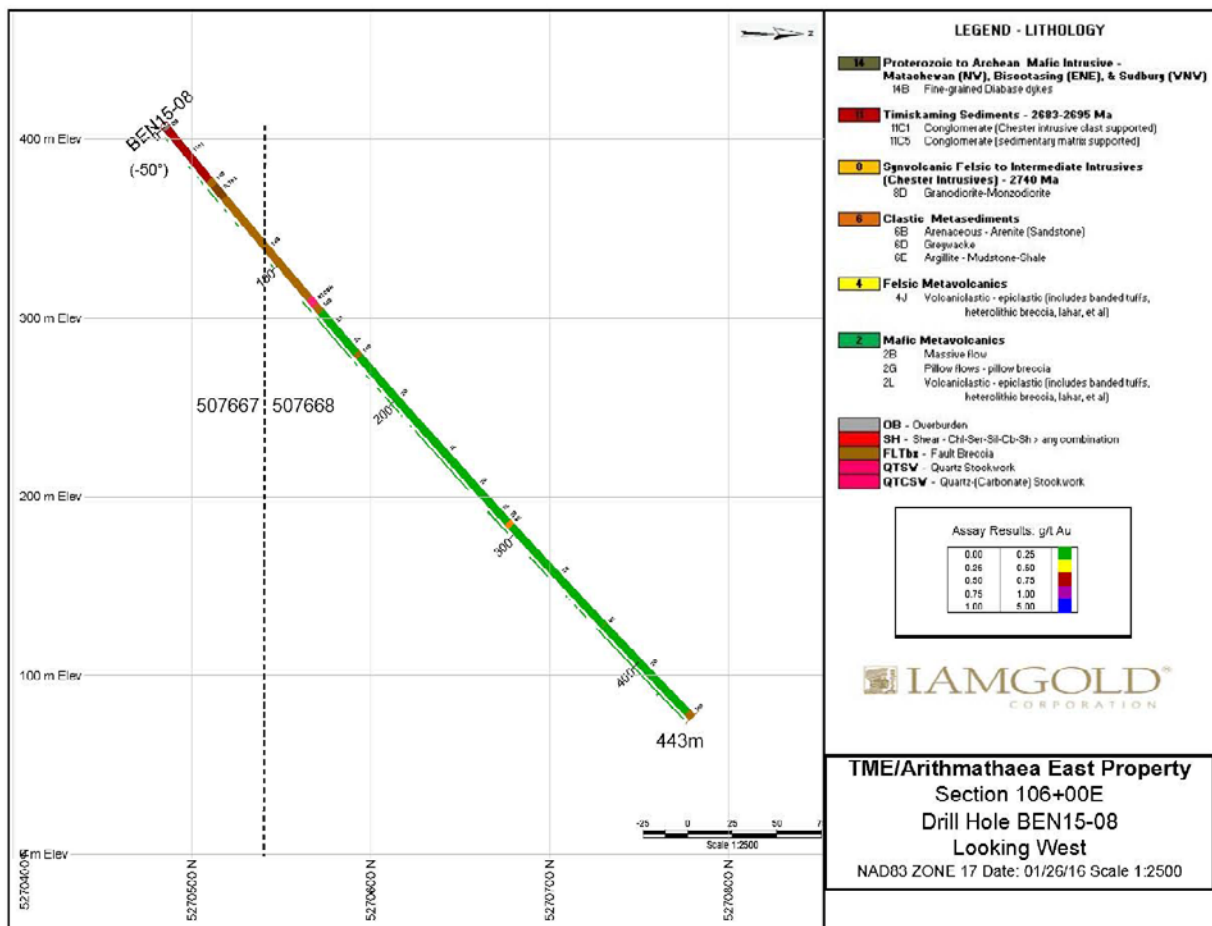
The Timiskaming Sediments constitute about 9% of the rock type intercepts in this drill hole. These rocks were intersected from the collar to 38.2, and are bounded by a diabase dyke at a fault margin. They are described as conglomerate and are characteristically greenish to pinkish-gray in color. They are intermediate in composition with a weak to moderate chlorite and carbonate altered matrix, with silicification and hematitic dusting on the clasts. Although polymictic and well sorted, the CIC tonalite /granodiorite clasts are dominant and <10 cm and 15 cm in size, with some clasts up to 25 cm in size. The clasts sub-elliptical to sub-rounded in shape, having undergone moderate to strong shearing.

The clastic metasediments account for 5% with only a few, thin inter-formation horizons intercalated within the mafic volcanoclastics. They vary from argillaceous to arenaceous in composition, being dark gray, gray, greenish-gray to black in color. There are minor bands and/or beds of chert and greywacke. Although sheared, primary bedding and compositional banding is well preserved in these horizons. There are local bands/beds of strong graphite, particularly in the more argillaceous units, as from 293.0 to 296.0.

The remaining 21% of the rock types intersected in the drill hole is diabase. The most significant intersection of diabase is from 51.2 to 125.9 for a drill intersected width of 74.7

meters. The hole ended in diabase. It is typically dark green, greenish black, and black in color, mafic in composition with weak carbonate, being very-fine grained and aphanitic. It is weakly magnetic with sharp upper and lower contact zones with the supracrustal rocks.

Figure 9 – BEN15-08 Drill Section (looking west)



Due to the significant intersections of diabase dykes, there are only a few QTCSW structures and mineralized zones (Table 8). The pyrite content increases in the more graphitic argillite units averaging <1% to 5%, with local concentrations of up to 10%. Chalcopyrite and arsenopyrite have been recognized occasionally in these graphitic units. A weak quartz stockwork (10% quartz-(carbonate) veining) was intersected between 408.0 and 434.0 within the mafic metavolcanics. Although no significant gold values were returned, anomalous arsenic values up to 5022 ppm were attained with the highest gold value in the drill hole reaching 79 ppb Au.

Table 9 – Summary of BEN15-08 Significant Mineralized Intercepts

Drill Hole	Final Depth (m)	From	To	Width (m)	Au (ppb)	Pathfinders	Significant Intercepts
BEN15-08	443	153.0	165.6	12.6	<5		Fractured and Carbonate-Silicified Mafic Volcaniclastics – variable wk-strong cb-sil and numerous 10% to 20% qcs/qs, local gf, <1% py
		293.0	296.0	3.0	<5 to 23	Ag (0.25 ppm) Cu (348 ppm) Zn (813 ppm) As (657 ppm) (Bi-Te-Sn-Sb)	Argillite/Graphitic Argillite - strongly gf in intervals, folded and contorted, 5% qcs, vfg disseminated and msv py with gf with overall 5% to 10% py
		371.55	371.8	0.25	<5	(Bi – 0.10 ppm)	Graphitic Argillite – strongly gf and sh, 1% to local 5% py
		419.85	420.4	0.55	79	As (5022 ppm) (Bi-Te-Sb)	Quartz Stockwork - mod to strong cb with chl-sil, 20%qs, aspy-py up to 5% as part of broader wk QTSW from 408.0 to 434.0

11.0) Conclusions

This drilling program was successful in identifying the IP chargeability responses and understanding the litho-stratigraphy within the RDZ located in the eastern part of the TME grid. The discovery of footwall pyrite-arsenopyrite mineralization within the QTCSW structures hosted in brittle/ductile clastic metasediments and extension of a newly discovered quartz stockwork from drilling is encouraging.

The regional RDZ has been defined and broadly delineated as a anastomosing altered shear zone which trends east-west over a 10 kilometer strike length within both project areas. . No historical work is known within the RDZ in TME East grid area, with Trelawney being the first to drill. .

The geological environment on the TME and Arimathaea East Property, particularly the RDZ, is conducive to a typical shear-hosted lode-gold mesothermal environment, primarily hosted in the mafic metavolcanics and clastic metasediments. The presence of multiple zones of weakness, flexuring, and potential intersecting structures/splays reflect dilatational-filled features, which would provide pathways and traps for auriferous hydrothermal fluid movement in shallow dipping / plunging structures. The presence of iron and sulfur-rich hosts (Fe-rich basalt and inter-formational) would provide the chemical trap for gold to precipitate in the form of pyrite and pyrrhotite hosted in silica-‘flooded’ gold-bearing structures.

12.0) Recommendations

A thorough interpretative compilation is recommended and warranted before any future exploration is considered in this grid area due to the lack of significant gold results from the drill program. The compilation will consider....

- 1) Favorable geology, structure, and anomalous gold associated with a wider berth of arsenopyrite mineralization in a weak quartz stockwork located along strike in the western part of the drill program. The QTSW is open along strike to the west.
- 2) Strong prospectivity vector to the west with anomalous gold values up to 0.59 g/t Au over 0.55 meters over a wider berth of arsenopyrite mineralization in drill-hole BEN15-07.
- 3) Regional and complex, very strong magnetic linear breaks/splays which suggest broad areas of magnetite destruction within the RDZ.

13.0) References

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2011 Prospecting and Sampling Report on Newcastle Minerals Ltd Mollie River Property, Porcupine Mining Division, NTS 41P/12 (assessment report) - pp. 1 to 29

Berger, B. (2011)

Precambrian Geology Compilation South of Gogama Area; Ontario Geological Survey map P.3762 – Scale: 1:50,000

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Ayer, J.A. and Trowell, N.F. (2002)

Precambrian Geology Compilation of the Swayze Area, Abitibi Greenstone Belt; Ontario Geological Survey Map P.3571 – Scale: 1:100,000

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Precambrian Geology Parts of Benneweis and St. Louis Townships; Ontario Geological Survey Open File Map 208, Scale: 1:15,840

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Peters, R.E. (1981)

Geology Report on Benneweis Township Gogama Gold Prospect, District of Sudbury, Porcupine Mining Division, Ontario (assessment report) – pp 1 to 11

STATEMENT OF QUALIFICATIONS

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 35 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 on 2015 Drilling Program on the TME/Arimathaea East Property, Porcupine Mining Division, Northeastern Ontario (November 20, 2015 to December 3, 2015)
4. I have no beneficial interest, direct or indirect in the TME and Arimathaea East Property that is the subject of this report.

Dated January 31, 2016

Stephen Roach, B.Sc.

Appendix 1 (Drill Logs)

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 431	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 20-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed: no
Completed: 23-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 21-Nov-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: IP chargeability zones (~230m and ~330m downhole)			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area			East: 441400	East: 441400
			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	356.00	-49.00	0	0	0		C	<input checked="" type="checkbox"/>	
14.00	356.30	-49.00	0	0	0	58339	MS	<input checked="" type="checkbox"/>	
17.00	356.50	-48.90	0	0	0	57059.7	MS	<input checked="" type="checkbox"/>	
20.00	356.90	-49.00	0	0	0	56510.3	MS	<input checked="" type="checkbox"/>	
23.00	356.70	-49.00	0	0	0	56123.6	MS	<input checked="" type="checkbox"/>	
26.00	356.70	-49.00	0	0	0	55915.2	MS	<input checked="" type="checkbox"/>	
29.00	357.10	-48.80	0	0	0	55852.2	MS	<input checked="" type="checkbox"/>	
32.00	357.20	-48.80	0	0	0	55741.7	MS	<input checked="" type="checkbox"/>	
35.00	357.00	-49.20	0	0	0	55657.8	MS	<input checked="" type="checkbox"/>	
38.00	357.00	-49.00	0	0	0	55633.8	MS	<input checked="" type="checkbox"/>	
41.00	357.70	-48.90	0	0	0	55489.2	MS	<input checked="" type="checkbox"/>	
44.00	357.10	-48.90	0	0	0	55680.8	MS	<input checked="" type="checkbox"/>	
47.00	357.30	-48.80	0	0	0	55608.3	MS	<input checked="" type="checkbox"/>	
50.00	357.00	-48.80	0	0	0	55569.5	MS	<input checked="" type="checkbox"/>	
53.00	357.30	-48.60	0	0	0	55583.6	MS	<input checked="" type="checkbox"/>	

DRILL HOLE REPORT

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 431	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 20-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed: no
Completed: 23-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 21-Nov-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: IP chargeability zones (~230m and ~330m downhole)			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area			East: 441400	East: 441400
			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
56.00	357.20	-48.60	0	0	0	55579.5	MS	☑	
59.00	357.30	-48.80	0	0	0	55389.2	MS	☑	
62.00	357.20	-48.70	0	0	0	55527.8	MS	☑	
65.00	357.70	-48.40	0	0	0	55610.7	MS	☑	
68.00	357.40	-48.40	0	0	0	55532.3	MS	☑	
71.00	357.70	-48.20	0	0	0	55608.8	MS	☑	
74.00	357.70	-48.10	0	0	0	55523	MS	☑	
77.00	357.30	-48.20	0	0	0	55572.7	MS	☑	
80.00	357.40	-48.20	0	0	0	55588.1	MS	☑	
83.00	357.40	-48.20	0	0	0	55583	MS	☑	
86.00	357.10	-48.20	0	0	0	55692.8	MS	☑	
89.00	357.70	-48.00	0	0	0	55557.9	MS	☑	
92.00	358.10	-47.70	0	0	0	55552.3	MS	☑	
95.00	358.00	-47.70	0	0	0	55583	MS	☑	
98.00	357.80	-47.70	0	0	0	55592.2	MS	☑	
101.00	358.20	-47.50	0	0	0	55569.7	MS	☑	

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 431	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 20-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed: no
Completed: 23-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 21-Nov-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: IP chargeability zones (~230m and ~330m downhole)			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area			East: 441400	East: 441400
			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
104.00	358.30	-47.30	0	0	0	55569.5	MS	✓	
107.00	358.00	-47.30	0	0	0	55587.8	MS	✓	
110.00	358.10	-47.20	0	0	0	55595.3	MS	✓	
113.00	358.10	-47.10	0	0	0	55601.6	MS	✓	
116.00	358.00	-47.00	0	0	0	55607	MS	✓	
119.00	357.80	-47.10	0	0	0	55604.5	MS	✓	
122.00	358.10	-47.10	0	0	0	55577.4	MS	✓	
125.00	358.50	-46.70	0	0	0	55570.9	MS	✓	
128.00	358.60	-46.60	0	0	0	55569.5	MS	✓	
131.00	358.60	-46.50	0	0	0	55575.9	MS	✓	
134.00	358.80	-46.50	0	0	0	55584.3	MS	✓	
137.00	358.50	-46.50	0	0	0	55597.7	MS	✓	
140.00	358.20	-46.50	0	0	0	55609.1	MS	✓	
143.00	358.50	-46.40	0	0	0	55591.7	MS	✓	
146.00	358.60	-46.30	0	0	0	55581.8	MS	✓	
149.00	358.30	-46.50	0	0	0	55565.4	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 431	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 20-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed: no
Completed: 23-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 21-Nov-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: IP chargeability zones (~230m and ~330m downhole)			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area			East: 441400	East: 441400
			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
152.00	358.20	-46.40	0	0	0	55532.5	MS	✓	
155.00	358.30	-46.30	0	0	0	55589.1	MS	✓	
158.00	358.30	-46.30	0	0	0	55595.1	MS	✓	
161.00	358.50	-46.40	0	0	0	55565	MS	✓	
164.00	358.30	-46.30	0	0	0	55938.1	MS	✓	
167.00	358.90	-45.90	0	0	0	55481.3	MS	✓	
170.00	359.00	-45.90	0	0	0	55510.5	MS	✓	
173.00	359.20	-46.00	0	0	0	55593.4	MS	✓	
176.00	359.20	-46.00	0	0	0	55539.4	MS	✓	
179.00	359.30	-46.00	0	0	0	55600.6	MS	✓	
182.00	358.80	-46.00	0	0	0	55578.9	MS	✓	
185.00	359.20	-45.90	0	0	0	55480.8	MS	✓	
188.00	358.90	-46.00	0	0	0	55537.9	MS	✓	
191.00	359.30	-45.90	0	0	0	55550.3	MS	✓	
194.00	359.20	-45.90	0	0	0	55573.7	MS	✓	
197.00	359.70	-45.60	0	0	0	55583	MS	✓	

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
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			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
200.00	359.70	-45.60	0	0	0	55618.2	MS	✓	
203.00	359.20	-45.60	0	0	0	55427.9	MS	✓	
206.00	359.10	-45.50	0	0	0	55516.8	MS	✓	
209.00	359.40	-45.60	0	0	0	55504.5	MS	✓	
212.00	359.40	-45.50	0	0	0	55450.2	MS	✓	
215.00	359.60	-45.40	0	0	0	55484.6	MS	✓	
218.00	359.60	-45.20	0	0	0	55490.8	MS	✓	
221.00	359.80	-45.20	0	0	0	55541.3	MS	✓	
224.00	359.60	-45.20	0	0	0	55541.9	MS	✓	
227.00	0.20	-45.00	0	0	0	55509.4	MS	✓	
230.00	0.00	-44.90	0	0	0	55508.5	MS	✓	
233.00	359.80	-45.00	0	0	0	55557.4	MS	✓	
236.00	359.60	-45.00	0	0	0	55555.5	MS	✓	
239.00	359.60	-44.90	0	0	0	55553.6	MS	✓	
242.00	359.70	-45.00	0	0	0	55529.5	MS	✓	
245.00	0.10	-44.60	0	0	0	55492.6	MS	✓	

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
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Completed: 23-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
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Township: ST.LOUIS	Plugged: no			
Target: IP chargeability zones (~230m and ~330m downhole)			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area			East: 441400	East: 441400
			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
248.00	359.80	-44.60	0	0	0	55523.7	MS	✓	
251.00	359.80	-44.60	0	0	0	55525.3	MS	✓	
254.00	359.30	-44.70	0	0	0	55649.9	MS	✓	
257.00	359.80	-44.60	0	0	0	55535.9	MS	✓	
260.00	359.60	-44.70	0	0	0	55491	MS	✓	
263.00	359.80	-44.50	0	0	0	55491.7	MS	✓	
266.00	359.90	-44.60	0	0	0	55526.1	MS	✓	
269.00	0.30	-44.30	0	0	0	55530.6	MS	✓	
272.00	0.40	-44.30	0	0	0	55548.2	MS	✓	
275.00	0.70	-44.20	0	0	0	55464.1	MS	✓	
278.00	0.40	-44.20	0	0	0	55491.2	MS	✓	
281.00	0.30	-44.50	0	0	0	55380.7	MS	✓	
284.00	0.30	-44.40	0	0	0	55506.3	MS	✓	
287.00	0.60	-44.00	0	0	0	55497.7	MS	✓	
290.00	0.70	-43.90	0	0	0	55409.1	MS	✓	
293.00	0.60	-43.90	0	0	0	55461.1	MS	✓	

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling		Casing		Core		Location		Other			
Azimuth:	356	Length:	3	Dimension:	NQ	Claim No.:	4249463	Company:	IAMGOLD		
Dip:	-49	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois		
Length:	431	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach		
Started:	20-Nov-15	Cemented:	no	Hole Type	DDH	Section:		Surveyed:	no		
Completed:	23-Nov-15	Left in hole:	no	Logged by:	Adam Waram	Zone:	17	Surveyed by:			
Logged:	21-Nov-15	Making water:	no	Relog by:		NAD:	NAD83	Multi shot su	yes		
Township:	ST.LOUIS	Plugged:	no								
Target:	IP chargeability zones (~230m and ~330m downhole)					Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local			
Comment:	Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area					East:	441400	East:	441400	East:	0
						North:	5270500	North:	5270500	North:	0
						Elev.:	408	Elev.:	0	Elev.:	0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
296.00	0.80	-43.80	0	0	0	55456.4	MS	☑	
299.00	0.40	-44.20	0	0	0	55445.4	MS	☑	
302.00	0.70	-44.10	0	0	0	55413.4	MS	☑	
308.00	0.70	-43.80	0	0	0	55543.3	MS	☑	
311.00	0.70	-43.90	0	0	0	55522.6	MS	☑	
314.00	1.00	-44.00	0	0	0	55449.4	MS	☑	
317.00	1.00	-44.00	0	0	0	55823.3	MS	☑	
320.00	0.90	-43.90	0	0	0	55284.1	MS	☑	
323.00	0.60	-43.80	0	0	0	55300.2	MS	☑	
326.00	1.00	-43.50	0	0	0	55291.8	MS	☑	
329.00	1.10	-43.70	0	0	0	55263.3	MS	☑	
332.00	1.20	-43.40	0	0	0	55288.1	MS	☑	
335.00	1.10	-43.50	0	0	0	55316.1	MS	☑	
338.00	0.80	-43.60	0	0	0	55336.5	MS	☑	
341.00	0.90	-43.50	0	0	0	55341.6	MS	☑	
344.00	0.90	-43.50	0	0	0	55334.7	MS	☑	

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling		Casing		Core		Location		Other			
Azimuth:	356	Length:	3	Dimension:	NQ	Claim No.:	4249463	Company:	IAMGOLD		
Dip:	-49	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois		
Length:	431	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach		
Started:	20-Nov-15	Cemented:	no	Hole Type	DDH	Section:		Surveyed:	no		
Completed:	23-Nov-15	Left in hole:	no	Logged by:	Adam Waram	Zone:	17	Surveyed by:			
Logged:	21-Nov-15	Making water:	no	Relog by:		NAD:	NAD83	Multi shot su	yes		
Township:	ST.LOUIS	Plugged:	no								
Target:	IP chargeability zones (~230m and ~330m downhole)					Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local			
Comment:	Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area					East:	441400	East:	441400	East:	0
						North:	5270500	North:	5270500	North:	0
						Elev.:	408	Elev.:	0	Elev.:	0

Deviation Tests

Density Tests

Distance	Azimuth	Dip	Easting	Northing	Elevation	Mag. Fie.	Type	Good	Comments
347.00	1.30	-43.20	0	0	0	55302.2	MS	✓	
350.00	1.30	-43.30	0	0	0	55308	MS	✓	
353.00	0.80	-43.60	0	0	0	55326.5	MS	✓	
356.00	0.90	-43.40	0	0	0	54954.7	MS	✓	
362.00	0.60	-43.50	0	0	0	55435.3	MS	✓	
365.00	0.50	-43.50	0	0	0	55447.2	MS	✓	
368.00	0.70	-43.50	0	0	0	55422.1	MS	✓	
371.00	0.80	-43.00	0	0	0	55416.4	MS	✓	
374.00	0.50	-43.30	0	0	0	55489.6	MS	✓	
377.00	0.70	-43.20	0	0	0	55494.7	MS	✓	
380.00	0.80	-43.00	0	0	0	55526.1	MS	✓	
383.00	1.00	-42.90	0	0	0	55520.8	MS	✓	
386.00	0.80	-42.90	0	0	0	55540.8	MS	✓	
389.00	1.30	-42.80	0	0	0	55501.1	MS	✓	
392.00	0.80	-42.90	0	0	0	55549.9	MS	✓	
395.00	0.80	-43.10	0	0	0	55506.6	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 3	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -49	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 431	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 20-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed: no
Completed: 23-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 21-Nov-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: IP chargeability zones (~230m and ~330m downhole)			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing sheared contact between Timiskaming sediments and mafic metavolcanics - silicified QP dykes localized outcrop with anomalous As (510 ppm) and extension of two discrete IP chargeability zones on L116+00 E - in swampy recessive area			East: 441400	East: 441400
			North: 5270500	North: 5270500
			Elev.: 408	Elev.: 0
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
398.00	1.20	-42.80	0	0	0	55565.6	MS	☑	
401.00	1.30	-42.80	0	0	0	55529.8	MS	☑	
404.00	1.20	-42.80	0	0	0	55526.1	MS	☑	
407.00	0.90	-42.90	0	0	0	55598.9	MS	☑	
410.00	0.70	-42.90	0	0	0	55507.4	MS	☑	
413.00	1.10	-42.60	0	0	0	55527.5	MS	☑	
416.00	0.50	-42.80	0	0	0	55523.6	MS	☑	
419.00	0.30	-42.80	0	0	0	55545.6	MS	☑	
422.00	0.50	-42.60	0	0	0	55550.7	MS	☑	
425.00	0.50	-42.60	0	0	0	55556.4	MS	☑	
428.00	0.50	-42.60	0	0	0	55550.3	MS	☑	
431.00	0.20	-42.90	0	0	0	55565.7	MS	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	1.00	OB Overburden Overburden. Sand and bouldery till.	1	1										
1.00	38.70	11C1 Conglomerate (Chester intrusive clast s Interbedded Chester intrusive clast supported conglomerate (70%) and greywacke(30%). Moderately sheared. Green-grey to pinkish grey. Intermediate composition. Fine grained matrix with 50-75% fine grained tonalitic clasts (up to 30cm) that are attenuated generally at a ratio of 1:8 sometimes resulting in banded/laminated texture. Other minor amounts (5-10%) of clasts are also present (fg mafic volcanic and sedimentary). Mod-strong spt magnetism Trace to 1% patchy disseminated PY. Qtz-carb veining (<1%) Mod hem + slfn in fragments, matrix has mod-strong chl + strong carb along fol. Lower contact with Quartz stockwork zone in greywacke is gradational.	1	1	GG	422745	7.00	8.00	1.00	<0	-	<0.01	-	-
						422746	37.00	38.00	1.00	<0	-	<0.01	-	-
						422747	38.00	38.70	0.70	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
		1.00 - 17.00	CB SP 4	Carbonatization, Along Shear Planes, Strong										
		1.00 - 17.00	CL MX 4	Chloritization, Matrix, Strong										
		1.00 - 17.00	SI FRG 3	Silicification, Fragments, Moderate										
		1.00 - 17.00	HM FRG 3	Hematization, Fragments, Moderate										
		17.00 - 23.00	CL MX 3	Chloritization, Matrix, Moderate										
		17.00 - 23.00	SI FRG 3	Silicification, Fragments, Moderate										
		17.00 - 23.00	HM FRG 3	Hematization, Fragments, Moderate										
		17.00 - 23.00	HM PV 3	Hematization, Pervasive, Moderate										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		1.00 - 38.70	Py VN 0.1	Pyrite, Vein-controlled, 0.1%										
		1.00 - 38.70	Py DIS 0.5	Pyrite, Disseminated, 0.5%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		Texture Maj:	Type	Comment											
		1.00 - 38.70	BND	Banded											
		1.00 - 38.70	HT	Heterogeneous											
		1.00 - 38.70	FG	Fine Grained (<1mm)											
Minor Interval:															
14.00	30.00	11C5	Conglomerate (Sedimentary matrix supported)		1										
		Interbedded sedimentary matrix supported conglomerate (70%) and greywacke(30%). Moderately sheared. Green-grey to pinkish grey. Intermediate composition. Fine grained matrix with 15-25% fine grained tonalitic clasts (up to 30cm) that are attenuated generally at a ratio of 1:8 sometimes resulting in banded/laminated texture. Other minor amounts (5-10%) of clasts are also present (fg mafic volcanic and sedimentary). Mod-strong spt magnetism Trace to 1% patchy disseminated PY. Qtz-carb veining (<1%) Mod hem + slfn in fragments, matrix has mod-strong chl + strong carb along fol.													
38.70	39.90	QTCS	Quartz-(Carbonate) Stockwork		1	1	GY								
		W													
		Quartz-carbonate stockwork zone in greywacke. Irregular Qtz-carb veins (25-30%) (1-6cm) with chl and tour clots. Fine grained. Pinkish green to green grey with pinkish white quartz veins. Trace Py. Weak-mod slfn+hem+ser MTV, mod-strong carb+ chl in veins and MTV. Upper contact with interbedded Chester intrusive clasts supported conglomerate and greywacke is gradational. Mod spt magnetism Lower contact with Chester intrusive clast supported conglomerate and greywacke is gradational.													
						422749	38.70	39.30	0.60	<0	-	<0.01	-	-	
						422750	39.30	39.90	0.60	<0	-	<0.01	-	-	

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-05**Project: **ARIMATHEA**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
39.90	72.40	11C1 Conglomerate (Chester intrusive clast s	1	1	GG	422751	39.90	41.00	1.10	<0	-	<0.01	-	-
		Interbedded Chester Intrusive clast supported conglomerate (80%) and greywacke (20%). Fine grained matrix with 50-75% fine grained tonalitic clasts that are attenuated generally at a ratio of 1:8. Other minor amounts (5-10%) of clasts are also present (fg mafic volcanic and sedimentary). Trace patchy disseminated PY. Mod hem + slfn in fragments, matrix has mod-strong chl +strong carb along fol. Mod spt magnetism. Upper contact with Quartz stockwork zone in greywacke is gradational. Lower contact with sericite-carbonate sheared conglomerate is sharp.				422752	41.00	42.00	1.00	<0	-	<0.01	-	-
						422753	51.15	52.15	1.00	<0	-	<0.01	-	-
						422754	52.15	53.00	0.85	<0	-	<0.01	-	-
						422755	56.40	57.00	0.60	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment		422756	57.00	57.65	0.65	<0	-	<0.01	-	-
		39.90 - 47.00	CB SP 4	Carbonatization, Along Shear Planes, Strong		422757	57.65	58.60	0.95	<0	-	<0.01	-	-
		39.90 - 47.00	CL MX 3	Chloritization, Matrix, Moderate		422758	61.00	62.00	1.00	<0	-	<0.01	<0.01	-
		39.90 - 47.00	SI FRG 3	Silicification, Fragments, Moderate		422759	71.00	71.70	0.70	<0	-	<0.01	-	-
		39.90 - 47.00	HM FRG 3	Hematization, Fragments, Moderate		422761	71.70	72.40	0.70	<0	-	<0.01	-	-
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		39.90 - 72.40	Py VN 0.1	Pyrite, Vein-controlled, 0.1%										
		39.90 - 72.40	Py DIS 0.5	Pyrite, Disseminated, 0.5%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		39.90 - 72.40	MS SHRD	Sheared										
		Texture Maj:	Type	Comment										
		39.90 - 72.40	BND	Banded										
		39.90 - 72.40	FG	Fine Grained (<1mm)										
		39.90 - 72.40	HT	Heterogeneous										
Minor Interval:														
39.90	42.80	11C3 Conglomerate (Sedimentary clast supported)												
		Interbedded sedimentary matrix supported conglomerate (70%) and greywacke(30%). Moderately sheared. Green-grey to pinkish grey. Intermediate composition. Fine grained matrix with 15-25% fine grained tonalitic clasts (up to 30cm) that are attenuated generally at a ratio of 1:8 sometimes resulting in banded/laminated texture. Other minor amounts (5-10%) of clasts are also present (fg mafic volcanic and sedimentary). Mod-strong spt magnetism Trace to 1% patchy disseminated PY. Qtz-carb veining (<1%) Mod hem + slfn in fragments, matrix has mod-strong chl + strong carb along fol.												

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
72.40	77.00	SH Shear/Shear Zone Sericite-carbonate sheared conglomerate. Moderate to strong shearing with small parasitic Z folds throughout the unit. Laminated texture with alternating grey and beige bands up to 2mm thick. Boudinaged qtz-carb veins with trace PY generally parallel to fol but irregular. Trace py along fol. Strong ser + carb+ chl along shear plane. Non magnetic. Upper contact with interbedded conglomerate/greywacke is sharp. Lower contact with conglomerate is sharp.	1	1	GG	422762	72.40	73.00	0.60	<0	-	<0.01	-	-
						422763	73.00	73.50	0.50	<0	-	<0.01	-	-
						422764	73.50	74.00	0.50	<0	-	<0.01	-	-
						422765	74.00	74.50	0.50	<0	-	<0.01	-	-
						422766	74.50	75.00	0.50	<0	-	<0.01	<0.01	-
						422767	75.00	75.50	0.50	<0	-	<0.01	-	-
						422768	75.50	76.00	0.50	<0	-	<0.01	-	-
						422769	76.00	76.50	0.50	<0	-	<0.01	-	-
						422770	76.50	77.00	0.50	<0	-	<0.01	-	-
77.00	84.30	11C5 Conglomerate (Sedimentary matrix sup Interbedded Sedimentary matrix supported conglomerate and greywacke. Protolith difficult to determine due to strong carb-chl and mod silfn+ser overprinting original texture, but some relict chester intrusive clasts are eviden. Could possibly be mafic volcanoclastics. Boudinaged qtz-carb veins generally parallel to fol but irregular. Quartz eyes/crystals (0.5-3mm) throughout unit (15-35%) some are boudinaged (may be due to destruction of chester intrusive clasts from alteration and shearing). Non magnetic. Upper contact with sericite-carbonate sheared conglomerate is sharp. Lower contact with quartz-carbonate stockwork zone in conglomerate is gradational.	1	1	GG	422771	77.00	78.00	1.00	<0	-	<0.01	-	-
						422773	78.00	79.00	1.00	<0	-	<0.01	-	-
						422774	79.00	80.50	1.50	<0	-	<0.01	-	-
						422775	80.50	82.00	1.50	<0	-	<0.01	-	-
						422776	82.00	83.00	1.00	<0	-	<0.01	-	-
						422777	83.00	84.30	1.30	<0	-	<0.01	-	-

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
84.30	87.25	QTCS Quartz-(Carbonate) Stockwork W	1	1	GG	422778	84.30	85.00	0.70	<0	-	<0.01	-	-
		Quartz-carbonate stockwork zone in sedimentary matrix supported conglomerate. Moderate to strong shearing with small parasitic Z folds, and a few sheath folds throughout the unit. Strong carb + ser along fol, weak chl along fol, weak-mod pv slfn. Laminated texture with alternating grey and beige bands up to 2mm thick. Boudinaged qtz-carb veins with trace PY generally parallel to fol but irregular. Trace py along fol. Non magnetic. Upper contact with mafic volcanoclastics is gradational. Lower contact with sheared and carbonate altered mafic pillow flows is gradational.				422779	85.00	85.50	0.50	<0	-	<0.01	-	-
			422780	85.50	86.00	0.50	<0	-	<0.01	-	-			
			422781	86.00	86.50	0.50	0	-	0.03	-	-			
			422782	86.50	87.25	0.75	<0	-	<0.01	-	-			
87.25	91.50	2G Pillow Flows - pillow breccia	1	1	GR	422783	87.25	88.00	0.75	<0	-	<0.01	-	-
		Sheared and carbonate altered mafic pillow flow. Pillows are difficult to see due to strong attenuation, weak to mod shearing and alteration resulting in a banded texture with alternating green grey (75%) and white/cream(25%-likely pillow selvages) bands (up to 5cm). Qtz-carb veining (10%) generally parallel to fol but irregular, sometimes boudinaged. Strong carb +mod chl+ mod ser along fol. Trace to 1% PY diss and MTV. Non magnetic. Upper contact with quartz-carbonate stockwork zone in mafic volcanoclastics is gradational. Lower contact with quartz-carbonate stockwork zone in mafic pillow flow is gradational.				422785	88.00	89.00	1.00	<0	-	<0.01	-	-
			422786	89.00	90.00	1.00	<0	-	<0.01	-	-			
			422787	90.00	90.50	0.50	0	-	0.03	-	-			
			422788	90.50	91.50	1.00	<0	-	<0.01	-	-			
91.50	92.80	QTCS Quartz-(Carbonate) Stockwork W	1	1	GG	422789	91.50	92.00	0.50	<0	-	<0.01	-	-
		Quartz-carbonate stockwork zone in mafic pillow flow. Banded texture with alternating green grey (70%) and white/cream(30%) bands (up to 2cm). Qtz-carb veining/stockwork(30%) generally parallel to fol but irregular, sometimes boudinaged. Strong carb +mod chl + ser along fol. Trace to 1% PY diss and MTV. Non magnetic. Upper contact with sheared and carbonate altered mafic pillow flows is gradational. Lower contact with fractured and carbonate altered mafic pillow flows is gradational.				422790	92.00	92.40	0.40	0	-	0.01	-	-
			422791	92.40	92.80	0.40	<0	-	<0.01	-	-			

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92.80	135.15	2G Pillow Flows - pillow breccia	1	1	GG	422792	92.80	94.00	1.20	<0	-	<0.01	-	-
		Sheared, fractured and carbonate altered mafic pillow flow. Pillows are difficult to see due to strong attenuation, weak to mod shearing and alteration resulting in banded texture with alternating green grey (65%) and white/cream(35%-likely pillow selvages) bands (up to 5cm). Qtz-carb veining (5-10%) generally parallel to fol but irregular, sometimes boudinaged. Strong carb + mod chl + ser along fol.non magnetic. Trace-1% PY diss and MTV. Upper contact with quartz-carbonate stockwork in mafic pillow flow is gradational. Lower contact with massive to pillowed mafic flow is gradational.												
		Alteration Maj:	Type/Style/Intensity		Comment									
92.80 - 111.50		CL	PV	3	Chloritization, Pervasive, Moderate		422799	99.00	100.40	1.40	<0	-	<0.01	-
92.80 - 111.50		CL	SP	3	Chloritization, Along Shear Planes, Moderate		422800	100.40	101.60	1.20	<0	-	<0.01	-
92.80 - 111.50		CB	SP	4	Carbonatization, Along Shear Planes, Strong		422801	101.60	103.00	1.40	<0	-	<0.01	-
111.50 - 117.00		CL	PV	2	Chloritization, Pervasive, Weak		422802	103.00	104.00	1.00	<0	-	<0.01	-
111.50 - 117.00		CL	SP	3	Chloritization, Along Shear Planes, Moderate		422803	110.00	111.00	1.00	<0	-	<0.01	-
111.50 - 117.00		CB	SP	4	Carbonatization, Along Shear Planes, Strong		422804	111.00	112.00	1.00	<0	-	<0.01	-
117.00 - 125.00		CL	PV	3	Chloritization, Pervasive, Moderate		422805	112.00	113.00	1.00	<0	-	<0.01	-
117.00 - 125.00		CL	SP	3	Chloritization, Along Shear Planes, Moderate		422806	113.00	114.00	1.00	0	-	0.01	-
117.00 - 125.00		CL	SP	3	Chloritization, Along Shear Planes, Moderate		422807	114.00	115.00	1.00	<0	-	<0.01	-
117.00 - 125.00		CB	SP	4	Carbonatization, Along Shear Planes, Strong		422808	115.00	116.00	1.00	<0	-	<0.01	-
125.00 - 135.15		CL	SPT	3	Chloritization, Spotty/Patchy, Moderate		422809	116.00	117.00	1.00	<0	-	<0.01	-
125.00 - 135.15		CL	SP	3	Chloritization, Along Shear Planes, Moderate		422810	117.00	118.00	1.00	<0	-	<0.01	-
125.00 - 135.15		CB	SP	4	Carbonatization, Along Shear Planes, Strong		422811	118.00	119.00	1.00	<0	-	<0.01	-
125.00 - 135.15		CL	SPT	3	Chloritization, Spotty/Patchy, Moderate		422813	119.00	120.00	1.00	<0	-	<0.01	-
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
92.80 - 135.15		Py	VN	0.1	Pyrite, Vein-controlled, 0.1%		422814	120.00	121.00	1.00	0	-	0.01	0.01
							422815	121.00	122.00	1.00	<0	-	<0.01	-

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	92.80 - 135.15	Py DIS 0.5	Pyrite, Disseminated, 0.5%	422816	122.00	123.00	1.00	<0	-	<0.01	-	-	
		Structure Maj.:	Inte/Type/Core Angle	Comment	422817	123.00	124.00	1.00	<0	-	<0.01	-	-
	92.80 - 135.15	WM SHRD	Sheared	422818	124.00	125.00	1.00	<0	-	<0.01	-	-	
		Texture Maj:	Type	Comment	422819	125.00	126.00	1.00	<0	-	<0.01	-	-
	92.80 - 135.15	FG	Fine Grained (<1mm)	422820	126.00	127.00	1.00	<0	-	<0.01	-	-	
	92.80 - 135.15	HT	Heterogeneous	422821	127.00	128.00	1.00	<0	-	<0.01	-	-	
	92.80 - 135.15	BND	Banded	422822	128.00	129.00	1.00	<0	-	<0.01	-	-	
				422823	129.00	130.00	1.00	<0	-	<0.01	-	-	
				422825	130.00	131.00	1.00	<0	-	<0.01	-	-	
				422826	131.00	131.80	0.80	<0	-	<0.01	-	-	
				422827	131.80	133.00	1.20	<0	-	<0.01	-	-	
				422828	133.00	134.00	1.00	<0	-	<0.01	-	-	
				422829	134.00	135.30	1.30	<0	-	<0.01	-	-	
135.15	145.70	2B Massive Flow (Mafic)	1 1 GR	422830	135.30	136.30	1.00	<0	-	<0.01	-	-	
		Massive to pillowed mafic flow. Massive to weakly sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in banded texture with alternating green grey (65%) and white/cream(35%) bands (up to 5cm). Qtz-carb veining (5-10%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Strong carb + mod chl + ser along fol, mod pv chl. Non magnetic. Upper contact with sheared, fractured and carbonate altered mafic pillow flow is gradational. Lower contact with graphitic argillite sharp and parallel to foliation.		422831	136.30	137.75	1.45	<0	-	<0.01	-	-	
		Alteration Maj:	Type/Style/Intensity	Comment	422832	137.75	138.35	0.60	<0	-	<0.01	-	-
	135.15 - 145.70	SR SP 3	Sericitization, Along Shear Planes, Moderate	422833	139.40	140.00	0.60	<0	-	<0.01	-	-	
	135.15 - 145.70	CB SP 4	Carbonatization, Along Shear Planes, Strong	422834	142.00	143.00	1.00	<0	-	<0.01	-	-	
	135.15 - 145.70	CL SP 3	Chloritization, Along Shear Planes, Moderate	422835	143.00	144.00	1.00	<0	-	<0.01	-	-	
	135.15 - 145.70	CL PV 3	Chloritization, Pervasive, Moderate	422837	144.00	145.00	1.00	<0	-	<0.01	-	-	
		Mineralization Maj. :	Type/Style/%Mineral	Comment	422838	145.00	145.60	0.60	<0	-	<0.01	-	-
	135.15 - 145.70	Py VN 0.1	Pyrite, Vein-controlled, 0.1%										
	135.15 - 145.70	Py DIS 0.1	Pyrite, Disseminated, 0.1%										

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		Structure Maj.:	Inte/Type/Core Angle	Comment										
		135.15 - 145.70	W SHRD	Sheared										
		Texture Maj.:	Type	Comment										
		135.15 - 145.70	BND	Banded										
		135.15 - 145.70	FG	Fine Grained (<1mm)										
		135.15 - 145.70	HT	Heterogeneous										
145.70	146.65	6E Argillite-Mudstone-Shale	1	1	GY	422839	145.60	146.00	0.40	<0	-	<0.01	-	-
		Graphitic argillite. Greyish black in colour. Altered mafic composition with strong bands/horizons of graphite (60%) up to 20cm interbedded with mafic pillow flows (40%). Trace to 1% diss PY+CPY. Mod-strong carb+ser along fol, weak-mod chl along fol. Qtz-carb veinlets ususally within and marginal to graphite horizons and generally parallel to foliation but irregular. Non-magnetic. Upper contact with massive mafic flow fairly sharp and parallel to foliation. Lower contact with mafic pillow flow gradational.				422840	146.00	146.65	0.65	0	-	0.01	-	-
		Alteration Maj.:	Type/Style/Intensity	Comment										
		145.70 - 146.65	CL SP 2	Chloritization, Along Shear Planes, Weak										
		145.70 - 146.65	SR SP 3	Sericitization, Along Shear Planes, Moderate										
		145.70 - 146.65	CB SP 4	Carbonatization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		145.70 - 146.65	Cpy VN 0.1	Chalcopyrite, Vein-controlled, 0.1%										
		145.70 - 146.65	Py VN 1	Pyrite, Vein-controlled, 1%										
		145.70 - 146.65	Py DIS 0.1	Pyrite, Disseminated, 0.1%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		145.70 - 146.65	WM SHRD	Sheared										
		Texture Maj.:	Type	Comment										
		145.70 - 146.65	FG	Fine Grained (<1mm)										
		145.70 - 146.65	HT	Heterogeneous										
		145.70 - 146.65	BND	Banded										

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146.65	149.20	2G <i>Pillow Flows - pillow breccia</i>	1	1	GRB	422841	146.65	147.35	0.70	<0	-	<0.01	-	-
		Carbonate altered mafic pillow flow. Weak to moderately sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in banded texture with alternating brown grey (65%) and white/cream(35%likely pillow selvages) bands (up to 3cm). Qtz-carb veining (2%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Strong carb + mod ser along fol. Non magnetic. Upper contact with graphitic argillite gradational. Lower contact with graphitic argillite is fairly sharp and parallel to foliation.				422842	147.35	148.00	0.65	<0	-	<0.01	-	-
						422843	148.00	148.60	0.60	<0	-	<0.01	-	-
						422844	148.60	149.20	0.60	<0	-	<0.01	<0.01	-
		Alteration Maj:	Type/Style/Intensity	Comment										
		146.65 - 149.20	SR SP 3	Sericitization, Along Shear Planes, Moderate										
		146.65 - 149.20	CB SP 4	Carbonatization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		146.65 - 149.20	Py VN 0.1	Pyrite, Vein-controlled, 0.1%										
		146.65 - 149.20	Py DIS 0.1	Pyrite, Disseminated, 0.1%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		146.65 - 149.20	W SHRD	Sheared										
		Texture Maj:	Type	Comment										
		146.65 - 149.20	FG	Fine Grained (<1mm)										
		146.65 - 149.20	BND	Banded										
		146.65 - 149.20	HT	Heterogeneous										
149.20	150.15	6E <i>Argillite-Mudstone-Shale</i>	1	1	GY	422845	149.20	149.80	0.60	0	-	0.02	-	-
		Graphitic argillite. Greyish black in colour. Altered mafic composition with strong bands/horizons of graphite (70%) up to 20cm interbedded with mafic pillow flows (30%). 2-5%PY+ trace CPY along fol in graphite horizons. Mod-strong carb+ser along fol, weak-mod chl along fol. Qtz-carb veinlets ususally within and marginal to graphite horizons and generally parallel to foliation but irregular. Non-magnetic. Upper contact with mafic pillow flow fairly sharp and parallel to foliation. Lower contact with mafic pillow				422846	149.80	150.40	0.60	<0	-	<0.01	-	-

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		flow gradational but marked by ribbon textured qtz-carb veining (25cm).											
		Alteration Maj:	Type/Style/Intensity	Comment									
		149.20 - 150.15	CL SP 2	Chloritization, Along Shear Planes, Weak									
		149.20 - 150.15	SR SP 3	Sericitization, Along Shear Planes, Moderate									
		149.20 - 150.15	CB SP 4	Carbonatization, Along Shear Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment									
		149.20 - 150.15	Cpy FOL 0.1	Chalcopyrite, Along foliation, 0.1%									
		149.20 - 150.15	Py FOL 3	Pyrite, Along foliation, 3%									
		Structure Maj.:	Inte/Type/Core Angle	Comment									
		149.20 - 150.15	WM SHRD	Sheared									
		Texture Maj:	Type	Comment									
		149.20 - 150.15	BND	Banded									
		149.20 - 150.15	FG	Fine Grained (<1mm)									
		149.20 - 150.15	HT	Heterogeneous									
150.15	160.35	2G Pillow Flows - pillow breccia	1 1 GRB		422847	150.40	151.00	0.60	<0	-	<0.01	-	-
		Carbonate altered mafic pillow flow. Weakly sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in banded texture with alternating brown grey (70%) and white/cream(30%-likely pillow selvages) bands (up to 3cm). Qtz-carb veining (10%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY/CPY diss and MTV. Strong carb + mod ser along fol. Weak spt magnetism. Upper contact with graphitic argillite gradational but marked by ribbon textured qtz-carb veining (25cm). Lower contact with graphitic argillite is gradational.			422849	151.00	152.00	1.00	<0	-	<0.01	-	-
					422850	152.00	153.00	1.00	<0	-	<0.01	-	-
					422851	153.00	153.80	0.80	<0	-	<0.01	-	-
					422852	153.80	154.30	0.50	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment	422853	154.30	155.00	0.70	<0	-	<0.01	-	-
		150.15 - 160.35	SR SP 3	Sericitization, Along Shear Planes, Moderate	422854	155.00	156.00	1.00	<0	-	<0.01	-	-
		150.15 - 160.35	CB SP 4	Carbonatization, Along Shear Planes, Strong	422855	156.00	157.00	1.00	<0	-	<0.01	-	-
		Mineralization Maj. :	Type/Style/%Mineral	Comment	422856	157.00	158.00	1.00	<0	-	<0.01	-	-
		150.15 - 160.35	Cpy DIS 0.1	Chalcopyrite, Disseminated, 0.1%	422857	158.00	159.00	1.00	<0	-	<0.01	-	-

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	150.15 - 160.35	Py DIS 0.1	Pyrite, Disseminated, 0.1%			422858	159.00	159.75	0.75	<0	-	<0.01	-	-
		Structure Maj.:	Inte/Type/Core Angle	Comment		422859	159.75	160.35	0.60	<0	-	<0.01	-	-
160.35	161.50	6E Argillite-Mudstone-Shale				422861	160.35	160.75	0.40	<0	-	<0.01	-	-
		Graphitic argillite. Greyish black in colour. Altered mafic composition with strong bands/horizons of graphite (75%) up to 20cm interbedded with mafic pillow flows (25%). 5-10% frac controlled PY in graphite horizon. (possibly 1% PO due to magnetism). Mod-strong carb+ser along fol, weak-mod chl along fol. Qtz-carb veinlets ususally within and marginal to graphite horizons and generally parallel to foliation but irregular. Mod-strong magnetism (possibly due to PO). Upper contact with mafic pillow flow gradational. Lower contact with mafic pillow flow gradational.				422862	160.75	161.50	0.75	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
	160.35 - 161.50	CL SP 2	Chloritization, Along Shear Planes, Weak											
	160.35 - 161.50	SR SP 3	Sericitization, Along Shear Planes, Moderate											
	160.35 - 161.50	CB SP 4	Carbonatization, Along Shear Planes, Strong											
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	160.35 - 161.50	Po FAC 0.5	Pyrrhotite, Fracture-controlled, 0.5%											
	160.35 - 161.50	Py FAC 5	Pyrite, Fracture-controlled, 5%											
		Structure Maj.:	Inte/Type/Core Angle	Comment										
	160.35 - 161.50	WM SHRD	Sheared											
		Texture Maj:	Type	Comment										
	160.35 - 161.50	BND	Banded											
	160.35 - 161.50	FG	Fine Grained (<1mm)											
	160.35 - 161.50	HT	Heterogeneous											
161.50	163.35	2G Pillow Flows - pillow breccia				422863	161.50	162.00	0.50	<0	-	<0.01	-	-
		Carbonate altered mafic pillow flow. Very weakly sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in banded texture with alternating brown (90%) and white/cream(10%-likely pillow selvages) bands (up to 5cm). Qtz-carb veining (1%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Strong carb + mod ser along fol. Weak-mod				422864	162.00	162.60	0.60	<0	-	<0.01	-	-
						422865	162.60	163.35	0.75	<0	-	<0.01	<0.01	-

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		spt magnetism. Upper contact with mafic pillow flow is gradational. Lower contact with graphitic argillite is gradational.												
		Alteration Maj:	Type/Style/Intensity	Comment										
		161.50 - 163.35	SR FP 3	Sericitization, Along Foliation Planes, Moderate										
		161.50 - 163.35	CB FP 4	Carbonatization, Along Foliation Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		161.50 - 163.35	Py DIS 0.1	Pyrite, Disseminated, 0.1%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		161.50 - 163.35	W SHRD	Sheared										
		Texture Maj:	Type	Comment										
		161.50 - 163.35	FG	Fine Grained (<1mm)										
		161.50 - 163.35	HT	Heterogeneous										
		161.50 - 163.35	BND	Banded										
163.35	164.10	6E Argillite-Mudstone-Shale	1	1	GY	422866	163.35	164.15	0.80	<0	-	<0.01	-	-
		Graphitic argillite. Greyish black in colour. Altered mafic composition with strong bands/horizons of graphite (60%) up to 20cm interbedded with mafic pillow flows (40%). Trace to 1% diss PY+CPY. Mod-strong carb+ser along fol, weak-mod chl along fol. Qtz-carb veinlets usually within and marginal to graphite horizons and generally parallel to foliation but irregular. Weak spt magnetism. Upper contact with mafic pillow flow gradational. Lower contact with massive mafic flow gradational.												
		Alteration Maj:	Type/Style/Intensity	Comment										
		163.35 - 164.10	CL SP 2	Chloritization, Along Shear Planes, Weak										
		163.35 - 164.10	SR SP 3											
		163.35 - 164.10	CB SP 4	Carbonatization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		163.35 - 164.10	Cpy DIS 0.1	Chalcopyrite, Disseminated, 0.1%										
		163.35 - 164.10	Py DIS 0.1	Pyrite, Disseminated, 0.1%										

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Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		163.35 - 164.10	W SHRD	Sheared										
		Texture Maj.:	Type	Comment										
		163.35 - 164.10	FG	Fine Grained (<1mm)										
		163.35 - 164.10	HT	Heterogeneous										
		163.35 - 164.10	BND	Banded										
164.10	193.00	2B Massive Flow (Mafic)		1	1	GG								
		Massive to pillowed mafic flow. Massive to weakly sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating brown grey to green grey (80%) and white/cream(20%) bands (up to 15cm). Qtz-carb veining (5-10%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Strong carb + mod ser along fol/spt, weak-mod spt chl. Non magnetic. Upper contact with graphitic arillite is gradational. Lower contact with qtz-carb stockwork is gradational.												
						422867	164.15	164.75	0.60	<0	-	<0.01	-	-
						422868	164.75	165.30	0.55	<0	-	<0.01	-	-
						422869	165.30	166.75	1.45	<0	-	<0.01	-	-
						422870	166.75	168.20	1.45	<0	-	<0.01	-	-
						422871	168.20	169.00	0.80	<0	-	<0.01	-	-
						422873	169.00	170.00	1.00	<0	-	<0.01	-	-
		Alteration Maj.:	Type/Style/Intensity	Comment										
		164.10 - 175.00	CL SP 2	Chloritization, Along Shear Planes, Weak		422874	170.00	171.00	1.00	<0	-	<0.01	-	-
		164.10 - 175.00	SR SP 3	Sericitization, Along Shear Planes, Moderate		422875	178.60	180.00	1.40	<0	-	<0.01	-	-
		164.10 - 175.00	CB SP 4	Carbonatization, Along Shear Planes, Strong		422876	185.40	186.50	1.10	<0	-	<0.01	-	-
		175.00 - 193.00	CL SP 3	Chloritization, Along Shear Planes, Moderate		422877	186.50	187.00	0.50	<0	-	<0.01	-	-
		175.00 - 193.00	SR SP 3	Sericitization, Along Shear Planes, Moderate		422878	187.00	188.15	1.15	<0	-	<0.01	-	-
		175.00 - 193.00	CB SP 4	Carbonatization, Along Shear Planes, Strong		422879	192.00	193.00	1.00	<0	-	<0.01	-	-
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		164.10 - 193.00	Cpy DIS 0.1	Chalcopyrite, Disseminated, 0.1%										
		164.10 - 193.00	Py DIS 0.1	Pyrite, Disseminated, 0.1%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		164.10 - 193.00	W SHRD	Sheared										
		Texture Maj.:	Type	Comment										

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Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	164.10 - 193.00	FG	Fine Grained (<1mm)											
	164.10 - 193.00	HT	Heterogeneous											
	164.10 - 193.00	BND	Banded											
193.00	196.00	QTCS Quartz-(Carbonate) Stockwork W	1	1	GG	422880	193.00	194.05	1.05	<0	-	<0.01	-	-
		Quartz-carbonate stockwork zone in massive mafic flow. Banded texture with alternating green grey (70%) and white/cream(30%) bands (up to 10cm). Qtz-carb veining/stockwork(25%) generally parallel to fol but irregular, sometimes boudinaged. Strong carb +mod chl + ser along fol, mod pv chl. Trace to 1% PY diss and MTV. Non magnetic. Upper contact with massive mafic flow is gradational. Lower contact with carbonate altered mafic pillow flows is gradational.				422881	194.05	194.55	0.50	<0	-	<0.01	-	-
						422882	194.55	195.20	0.65	<0	-	<0.01	-	-
						422883	195.20	196.10	0.90	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity		Comment									
	193.00 - 196.00	SR	SP	3	Sericitization, Along Shear Planes, Moderate									
	193.00 - 196.00	CL	SPT	3	Chloritization, Spotty/Patchy, Moderate									
	193.00 - 196.00	CB	MTV	4	Carbonatization, Marginal to veins, Strong									
	193.00 - 196.00	CB	SP	4	Carbonatization, Along Shear Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
	193.00 - 196.00	Py	VN	0.1	Pyrite, Vein-controlled, 0.1%									
	193.00 - 196.00	Py	DIS	0.1	Pyrite, Disseminated, 0.1%									

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Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
196.00	232.00	2G Pillow Flows - pillow breccia	1	1	GG	422885	196.10	197.55	1.45	<0	-	<0.01	-	-
		Carbonate altered mafic pillow flow. Weak to moderately sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in banded texture with alternating green grey (65%) and white/cream(35%-likely pillow selvages) bands (up to 5cm). Qtz-carb veining (5-10%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Strong carb + weak ser along fol, mod pv cb, mod spt cl. Non magnetic. Upper contact with sheared, fractured and carbonate altered mafic pillow flow is gradational. Lower contact with massive mafic flow is gradational.												
		Alteration Maj:	Type/Style/Intensity	Comment										
196.00 - 232.00		SR SP 2	Sericitization, Along Shear Planes, Weak		422886	197.55	198.55	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CL SPT 3	Chloritization, Spotty/Patchy, Moderate		422887	198.55	199.55	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB PV 3	Carbonatization, Pervasive, Moderate		422888	199.55	201.00	1.45	<0	-	<0.01	-	-	
196.00 - 232.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422889	209.00	210.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422890	210.00	211.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422891	211.00	212.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB PV 3	Carbonatization, Pervasive, Moderate		422892	212.00	213.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422893	213.00	214.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422894	227.00	228.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422895	228.00	229.00	1.00	0	-	0.01	-	-	
196.00 - 232.00		Py DIS 0.1	Chalcopyrite, Disseminated, 0.1%		422897	229.00	230.00	1.00	0	-	0.01	-	-	
196.00 - 232.00		Py DIS 0.1	Pyrite, Disseminated, 0.1%		422898	230.00	231.00	1.00	<0	-	<0.01	-	-	
196.00 - 232.00		Py DIS 0.1	Pyrite, Disseminated, 0.1%		422899	231.00	232.00	1.00	0	-	0.01	-	-	
232.00	295.00	2G Pillow Flows - pillow breccia	1	1	GG	422900	232.00	233.00	1.00	<0	-	<0.01	-	-
		Mafic pillow flow (with some minor flow breccia texture). Massive (likely massive mafic flows between pillow units) to weakly sheared. Small horizons with qtz/plag filled amygdules (up to 15cm- 3-6%) Pillows are difficult to see in some areas due to strong attenuation and alteration resulting in banded texture with alternating green grey (85%) and white/cream(15% likely pillow selvages) bands (up to 5cm). Some areas however do show good pillows with associated carbonate rich selvages. Qtz-carb veining (2-3%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY + PO diss and MTV. Mod spt carb (stronger with shearing, weak in massive zones), weak ser along fol, mod spt cl. Non magnetic. Upper contact with carbonate altered mafic pillow flow is gradational. Lower contact with qtz-carb stockwork is gradational.												
232.00 - 248.00		CL PV 3	Chloritization, Pervasive, Moderate		422901	235.25	236.10	0.85	<0	-	<0.01	-	-	
232.00 - 248.00		SR SP 2	Sericitization, Along Shear Planes, Weak		422902	236.10	237.00	0.90	<0	-	<0.01	-	-	
232.00 - 248.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422903	237.00	237.80	0.80	0	-	0.01	-	-	
232.00 - 248.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422904	242.00	243.00	1.00	0	-	0.01	-	-	
232.00 - 248.00		CB PV 3	Carbonatization, Pervasive, Moderate		422905	248.00	249.00	1.00	0	-	0.02	-	-	
232.00 - 248.00		CB PV 3	Carbonatization, Pervasive, Moderate		422906	249.00	250.00	1.00	<0	-	<0.01	-	-	
232.00 - 248.00		CB PV 3	Carbonatization, Pervasive, Moderate		422907	250.00	251.00	1.00	<0	-	<0.01	-	-	
232.00 - 248.00		CL PV 3	Chloritization, Pervasive, Moderate		422908	251.00	252.00	1.00	<0	-	<0.01	-	-	
232.00 - 248.00		SR SP 2	Sericitization, Along Shear Planes, Weak		422909	252.00	253.00	1.00	<0	-	<0.01	-	-	
232.00 - 248.00		CB SP 4	Carbonatization, Along Shear Planes, Strong		422910	253.00	254.00	1.00	<0	-	<0.01	-	-	
232.00 - 248.00		CB PV 3	Carbonatization, Pervasive, Moderate		422911	254.00	255.00	1.00	0	-	0.02	-	-	
232.00 - 248.00		CB PV 3	Carbonatization, Pervasive, Moderate		422913	260.00	261.00	1.00	<0	-	<0.01	<0.01	-	

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Hole Number **BEN15-05**Project: **ARIMATHEA**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
248.00 - 271.00		CL PV 3	Chloritization, Pervasive, Moderate			422914	261.00	262.00	1.00	<0	-	<0.01	-	-
248.00 - 271.00		SR SP 2	Sericitization, Along Shear Planes, Weak			422915	264.30	264.75	0.45	<0	-	<0.01	-	-
248.00 - 271.00		CB SP 2	Carbonatization, Along Shear Planes, Weak			422916	272.70	273.45	0.75	0	-	0.01	-	-
271.00 - 276.00		CL PV 3	Chloritization, Pervasive, Moderate			422917	294.00	295.00	1.00	<0	-	<0.01	-	-
271.00 - 276.00		SR SP 2	Sericitization, Along Shear Planes, Weak											
271.00 - 276.00		CB SP 4	Carbonatization, Along Shear Planes, Strong											
271.00 - 276.00		CB PV 3	Carbonatization, Pervasive, Moderate											
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
232.00 - 248.00		Po DIS 0.1	Pyrrhotite, Disseminated, 0.1%											
232.00 - 248.00		Py DIS 0.1	Pyrite, Disseminated, 0.1%											
248.00 - 255.00		Po FOL 1	Pyrrhotite, Along foliation, 1%											
248.00 - 255.00		Py DIS 0.5	Pyrite, Disseminated, 0.5%											
255.00 - 295.00		Po DIS 0.1	Pyrrhotite, Disseminated, 0.1%											
255.00 - 295.00		Py DIS 0.1	Pyrite, Disseminated, 0.1%											
		Structure Maj.:	Inte/Type/Core Angle	Comment										
232.00 - 260.50		W SHRD	Sheared											
		Texture Maj:	Type	Comment										
232.00 - 295.00		HT	Heterogeneous											
232.00 - 295.00		BND	Banded											
232.00 - 295.00		FG	Fine Grained (<1mm)											
295.30	296.00	QTCS Quartz-(Carbonate) Stockwork W	1	1	GRB	422918	295.00	296.00	1.00	<0	-	<0.01	-	-
<p>Quartz-carbonate stockwork zone in massive mafic flow(minor pillow textures in some zones). Weak to mod sheared. Faint banded texture with alternating brown grey (90%) and white/cream(10%) bands (up to 10cm). Qtz-carb veining/stockwork(20%) generally parallel to fol but irregular, sometimes boudinaged. Strong fe carb + weak chl + ser along foll. Trace to 1% PY diss and MTV. Non magnetic.</p>														

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Project: **ARIMATHEA**

Project Number: **240**

From (m)	To (m)	Lithology	Weathering Oxidation Colour	Sample #	From	To	Length	Au (ppm)	AV Au (ppm)	FA Au (ppm)	FA2 Au (ppm)	FA3 Au (ppm)		
Upper contact with mafic pillow flow is gradational. Lower contact with carbonate altered mafic pillow flow is gradational.														
		Alteration Maj:	Type/Style/Intensity	Comment										
295.30 - 296.00		CL FP 2	Chloritization, Along Foliation Planes, Weak											
295.30 - 296.00		SR FP 2	Sericitization, Along Foliation Planes, Weak											
295.30 - 296.00		CB FP 4	Carbonatization, Along Foliation Planes, Strong											
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
295.30 - 296.00		Py VN 0.1	Pyrite, Vein-controlled, 0.1%											
295.30 - 296.00		Py FOL 0.1	Pyrite, Along foliation, 0.1%											
		Structure Maj.:	Inte/Type/Core Angle	Comment										
295.30 - 296.00		WM SHRD	Sheared											
		Texture Maj:	Type	Comment										
295.30 - 296.00		HT	Heterogeneous											
295.30 - 296.00		BND	Banded											
295.30 - 296.00		FG	Fine Grained (<1mm)											
296.00	303.50	2G Pillow Flows - pillow breccia	1	1	GRB	422919	296.00	297.00	1.00	<0	-	<0.01	-	-
Carbonate altered mafic pillow flow (with some minor flow breccia texture).weak-mod sheared. Pillows are difficult to see in some areas due to strong attenuation and alteration resulting in banded texture with alternating brown grey (85%) and white/cream(15%- likely pillow selvages) bands (up to 3cm). Some areas however do show good pillows with associated carbonate rich selvages. Qtz-carb veining (3-5%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. strong carb along fol (stronger with shearing), weak ser along fol, weak spt cl. Non magnetic. Upper contact with qtz-carbonate stockwork is gradational. Lower contact with qtz-carb stockwork is gradational.						422920	297.00	298.45	1.45	<0	-	<0.01	-	-
						422921	302.00	303.40	1.40	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
296.00 - 303.50		CL SPT 2	Chloritization, Spotty/Patchy, Weak											
296.00 - 303.50		SR FP 2	Sericitization, Along Foliation Planes, Weak											

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	296.00 - 303.50	CB FP 4	Carbonatization, Along Foliation Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	296.00 - 303.50	Py VN 0.1	Pyrite, Vein-controlled, 0.1%									
	296.00 - 303.50	Py FOL 0.1	Pyrite, Along foliation, 0.1%									
		Structure Maj.:	Inte/Type/Core Angle	Comment								
	296.00 - 303.50	WM SHRD	Sheared									
		Texture Maj:	Type	Comment								
	296.00 - 303.50	FG	Fine Grained (<1mm)									
	296.00 - 303.50	HT	Heterogeneous									
	296.00 - 303.50	BND	Banded									
303.50	305.05	QTCS Quartz-(Carbonate) Stockwork W	1 1 GRB	422922	303.40	304.00	0.60	<0	-	<0.01	-	-
		Quartz-carbonate stockwork zone in massive mafic flow-mafic volcanics transition. Banded texture with alternating green grey (90%) and white/cream(10%) bands (up to 2cm). Qtz-carb veining/stockwork(10%) generally parallel to fol but irregular, sometimes boudinaged. Strong fe-carb +weak chl + ser along fol. Trace to 1-3% PY + 3-6% PO along fol and MTV. Mod-strongly magnetic (likely due to PO content). Upper contact with carbonate altered mafic pillow flow is gradational. Lower contact with carbonate altered mafic volcanics is gradational.		422923	304.00	305.05	1.05	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment								
	303.50 - 305.05	CL FP 2	Chloritization, Along Foliation Planes, Weak									
	303.50 - 305.05	SR FP 2	Sericitization, Along Foliation Planes, Weak									
	303.50 - 305.05	CB FP 4	Carbonatization, Along Foliation Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	303.50 - 305.05	Po VN 0.1	Pyrrhotite, Vein-controlled, 0.1%									
	303.50 - 305.05	Py VN 0.5	Pyrite, Vein-controlled, 0.5%									
	303.50 - 305.05	Po FOL 5	Pyrrhotite, Along foliation, 5%									
	303.50 - 305.05	Py FOL 2	Pyrite, Along foliation, 2%									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
		Structure Maj.:	Inte/Type/Core Angle	Comment									
		303.50 - 305.05	WM SHRD	Sheared									
		Texture Maj.:	Type	Comment									
		303.50 - 305.05	FG	Fine Grained (<1mm)									
		303.50 - 305.05	HT	Heterogeneous									
		303.50 - 305.05	BND	Banded									
305.05	313.30	2L Volcaniclastic-Epiclastic (Mafic)	1 1 GRB	Carbonate altered mafic volcanoclastics/epiclastics. Weak-mod sheared with some parasitic folding (Z-folds) evident. Laminated/banded texture with alternating brown grey (85%) and white/cream(15%-fe-carb rich) bands (up to 1cm). Qtz-carb veining (2-3%) generally parallel to fol but irregular, sometimes boudinaged. 1-3% PY+ trace PO along fol (sometimes in 0.5cm bands) and MTV. Strong carb + weak ser along fol, weak spt cl. Non magnetic. Upper contact with qtz-carbonate stockwork is gradational. Lower contact with pyritic arenite is likely sharp, but hazy.	422925	305.05	306.00	0.95	<0	-	<0.01	-	-
					422926	306.00	307.00	1.00	<0	-	<0.01	-	-
					422927	307.00	308.00	1.00	<0	-	<0.01	-	-
					422928	308.00	309.00	1.00	<0	-	<0.01	-	-
					422929	309.00	310.00	1.00	<0	-	<0.01	-	-
		Alteration Maj.:	Type/Style/Intensity	Comment	422930	310.00	311.00	1.00	<0	-	<0.01	-	-
		305.05 - 313.30	CL SPT 2	Chloritization, Spotty/Patchy, Weak	422931	311.00	312.00	1.00	<0	-	<0.01	-	-
		305.05 - 313.30	SR FP 3	Sericitization, Along Foliation Planes, Moderate	422932	312.00	313.50	1.50	<0	-	<0.01	-	-
		305.05 - 313.30	CB FP 4	Carbonatization, Along Foliation Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment									
		305.05 - 313.30	Po VN 0.1	Pyrrhotite, Vein-controlled, 0.1%									
		305.05 - 313.30	Po FOL 0.1	Pyrrhotite, Along foliation, 0.1%									
		305.05 - 313.30	Py FOL 1	Pyrite, Along foliation, 1%									
		Structure Maj.:	Inte/Type/Core Angle	Comment									
		305.05 - 313.30	WM SHRD	Sheared									
		Texture Maj.:	Type	Comment									
		305.05 - 313.30	FG	Fine Grained (<1mm)									
		305.05 - 313.30	HT	Heterogeneous									

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Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	305.05 - 313.30	BND	Banded											
313.30	314.80	6B Arenaceous-Arenite (Sandstone) - Clast	1	1	GY	422933	313.50	314.00	0.50	<0	-	<0.01	-	-
		Pyritic arenite. Weak-mod sheared with some parasitic folding (M, S and sheath folds) evident. Laminated/banded texture with alternating brown grey (75%) and white/cream(25%-carb rich) bands (up to 1cm). Qtz-carb veining (2%) generally parallel to fol but irregular, sometimes boudinaged. 10-15% PY+ trace PO along fol and MTV. Strong carb + weak ser along fol. Weak spt magnetism (likely due to trace PO content). Upper contact with carbonate altered mafic volcanoclastics/epiclastics is likely sharp but hazy. Lower contact with carbon is likely sharp, but hazy.												
						422934	314.00	314.80	0.80	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity		Comment									
	313.30 - 314.80		CL	FP 2	Chloritization, Along Foliation Planes, Weak									
	313.30 - 314.80		SR	FP 2	Sericitization, Along Foliation Planes, Weak									
	313.30 - 314.80		CB	FP 4	Carbonatization, Along Foliation Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
	313.30 - 314.80		Po	FOL 0.5	Pyrrhotite, Along foliation, 0.5%									
	313.30 - 314.80		Py	FOL 12	Pyrite, Along foliation, 12%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
	313.30 - 314.80		MS	SHRD	Sheared									
		Texture Maj:	Type		Comment									
	313.30 - 314.80		FG		Fine Grained (<1mm)									
	313.30 - 314.80		HT		Heterogeneous									
	313.30 - 314.80		BND		Banded									

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Project: **ARIMATHEA**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
314.80	356.00	2L Volcaniclastic-Epiclastic (Mafic)	1	1	GY	422935	314.80	315.50	0.70	<0	-	<0.01	-	-
Carbonate altered mafic volcanoclastics/epiclastics. *** Graphite horizon from 355.5-356.1m with 3%PY***														
Weak-mod sheared with some parasitic folding (S-folds) evident. Laminated/banded texture with alternating grey (75%) and white/cream(25%-fe-carb rich) bands (up to 1cm). Qtz-carb veining (4-7%) generally parallel to fol but irregular, sometimes boudinaged. 1-3% PY+ trace PO along fol and MTV. Strong carb + weak ser along fol, weak spt cl. Non magnetic. Upper contact with pyritic arenite is likely sharp but hazy. Lower contact with quartz-carbonate stockwork is gradational.														
Alteration Maj:														
		Type/Style/Intensity	Comment											
314.80 - 356.00		CL SP 2	Chloritization, Along Shear Planes, Weak			422942	319.00	320.00	1.00	0	-	0.01	-	-
314.80 - 356.00		SR SP 3	Sericitization, Along Shear Planes, Moderate			422943	320.00	321.30	1.30	<0	-	<0.01	-	-
314.80 - 356.00		CB SP 4	Carbonatization, Along Shear Planes, Strong			422944	321.30	321.80	0.50	<0	-	<0.01	-	-
						422945	321.80	323.00	1.20	<0	-	<0.01	-	-
						422946	323.00	324.50	1.50	0	-	0.01	-	-
						422947	327.00	328.50	1.50	0	-	0.01	-	-
						422949	328.50	329.40	0.90	<0	-	<0.01	-	-
						422950	329.40	330.85	1.45	0	-	0.01	-	-
						422951	330.85	332.00	1.15	0	-	0.01	-	-
						422952	332.00	332.80	0.80	<0	-	<0.01	-	-
						422953	332.80	333.75	0.95	<0	-	<0.01	-	-
						422954	333.75	335.25	1.50	<0	-	<0.01	-	-
						422955	335.25	336.00	0.75	<0	-	<0.01	-	-
						422956	336.00	337.00	1.00	<0	-	<0.01	-	-
						422957	337.00	338.00	1.00	<0	-	<0.01	<0.01	-
						422958	338.00	339.00	1.00	<0	-	<0.01	-	-
						422959	339.00	340.50	1.50	<0	-	<0.01	-	-
						422961	340.50	342.00	1.50	<0	-	<0.01	-	-
						422962	342.00	343.50	1.50	<0	-	<0.01	-	-
						422963	343.50	345.00	1.50	<0	-	<0.01	-	-
						422964	345.00	346.50	1.50	<0	-	<0.01	-	-

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
						422965	346.50	347.50	1.00	<0	-	<0.01	-	-
						422966	347.50	348.65	1.15	0	-	0.01	-	-
						422967	353.00	354.50	1.50	<0	-	<0.01	-	-
						422968	354.50	356.00	1.50	0	-	0.01	-	-
356.00	358.10	QTCS Quartz-(Carbonate) Stockwork W	1	1	GRB	422969	356.00	357.00	1.00	<0	-	<0.01	-	-
		Quartz-carbonate stockwork zone in mafic volcanoclastics. Banded texture with alternating brown grey (94%) and white/cream(6%) bands (up to 5cm). Qtz-carb veining/stockwork(10%) generally parallel to fol but irregular, sometimes boudinaged. Strong fe-carb +weak chl + ser along fol. Trace to 6% PY + trace PO along fol and MTV. Spt mod magnetism (likely due to PO content). Upper contact with carbonate altered mafic volcanoclastics/epiclastics is gradational. Lower contact with carbonate altered mafic volcanoclastics/epiclastics is gradational.				422970	357.00	358.10	1.10	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity		Comment									
356.00 - 358.10		SR	FP	2	Sericitization, Along Foliation Planes, Weak									
356.00 - 358.10		CL	FP	2	Chloritization, Along Foliation Planes, Weak									
356.00 - 358.10		CB	FP	4	Carbonatization, Along Foliation Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
356.00 - 358.10		Po	VN	0.1	Pyrrhotite, Vein-controlled, 0.1%									
356.00 - 358.10		Po	FOL	0.1	Pyrrhotite, Along foliation, 0.1%									
356.00 - 358.10		Py	VN	4	Pyrite, Vein-controlled, 4%									
356.00 - 358.10		Py	FOL	1	Pyrite, Along foliation, 1%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
356.00 - 358.10		WM	SHRD		Sheared									
		Texture Maj:	Type		Comment									
356.00 - 358.10		FG			Fine Grained (<1mm)									
356.00 - 358.10		HT			Heterogeneous									
356.00 - 358.10		BND			Banded									

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358.10	362.00	2L Volcaniclastic-Epiclastic (Mafic)	1	1	GRB	422971	358.10	359.50	1.40	0	-	0.01	-	-
Carbonate altered mafic volcanoclastics/epiclastics. Weak-mod sheared with some parasitic folding (S-folds) evident. Laminated/banded texture with alternating grey (85%) and white/cream(15%-fe-carb rich) bands (up to 2cm). Qtz-carb veining (1-3%) generally parallel to fol but irregular, sometimes boudinaged. 1% PY+ trace PO along fol and MTV. Strong carb + weak ser along fol, weak spt cl. Non magnetic. Upper contact with qtz-carbonate stockwork is gradational. Lower contact with quartz-carbonate stockwork is gradational.														
		Alteration Maj:	Type/Style/Intensity		Comment									
358.10 - 362.00		CL	SPT	2	Chloritization, Spotty/Patchy, Weak									
358.10 - 362.00		SR	FP	2	Sericitization, Along Foliation Planes, Weak									
358.10 - 362.00		CB	FP	4	Carbonatization, Along Foliation Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
358.10 - 362.00		Po	VN	0.1	Pyrrhotite, Vein-controlled, 0.1%									
358.10 - 362.00		Po	FOL	0.1	Pyrrhotite, Along foliation, 0.1%									
358.10 - 362.00		Py	VN	0.5	Pyrite, Vein-controlled, 0.5%									
358.10 - 362.00		Py	FOL	0.5	Pyrite, Along foliation, 0.5%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
358.10 - 362.00		WM	SHRD		Sheared									
		Texture Maj:	Type		Comment									
358.10 - 362.00		FG			Fine Grained (<1mm)									
358.10 - 362.00		HT			Heterogeneous									
358.10 - 362.00		BND			Banded									
362.00	363.40	QTCS Quartz-(Carbonate) Stockwork	1	1	GRB	422975	362.00	363.40	1.40	<0	-	<0.01	<0.01	-
Quartz-carbonate stockwork zone in mafic volcanoclastics. Weak to mod sheared Banded texture with alternating brown grey (90%) and white/cream(10%) bands (up to 5cm). Qtz-carb veining/stockwork(10%) generally parallel to fol but irregular, sometimes boudinaged. Strong fe-carb														

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<p>+weak chl + ser along fol. Trace to 1% PY along fol and MTV. Non magnetic. Upper contact with carbonate altered mafic volcanoclastics/epiclastics is gradational. Lower contact with carbonate altered mafic volcanoclastics/epiclastics is gradational.</p>												
		Alteration Maj:	Type/Style/Intensity	Comment								
362.00 - 363.40		SR	SP 2	Sericitization, Along Shear Planes, Weak								
362.00 - 363.40		CL	SP 2	Chloritization, Along Shear Planes, Weak								
362.00 - 363.40		CB	SP 4	Carbonatization, Along Shear Planes, Strong								
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
362.00 - 363.40		Py	VN 0.1	Pyrite, Vein-controlled, 0.1%								
362.00 - 363.40		Py	FOL 0.1	Pyrite, Along foliation, 0.1%								
		Structure Maj.:	Inte/Type/Core Angle	Comment								
362.00 - 363.40		WM	SHRD	Sheared								
		Texture Maj:	Type	Comment								
362.00 - 363.40		FG		Fine Grained (<1mm)								
362.00 - 363.40		HT		Heterogeneous								
362.00 - 363.40		BND		Banded								
363.40	364.40	2L	Volcaniclastic-Epiclastic (Mafic)	1	1	GRB						
<p>Carbonate altered mafic volcanoclastics/epiclastics. Weak-mod sheared with some parasitic folding (S-folds) evident. Laminated/banded texture with alternating grey (85%) and white/cream(15%-fe-carb rich bands (up to 2cm). Qtz-carb veining (1-3%) generally parallel to fol but irregular, sometimes boudinaged. Trace PY along fol and MTV. Strong carb + weak ser along fol, weak spt cl. Non magnetic. Upper contact with qtz-carbonate stockwork is gradational. Lower contact with massive to pillowed mafic flow is sharp and parallel to foliation.</p>												
		Alteration Maj:	Type/Style/Intensity	Comment								
363.40 - 364.40		CL	SPT 2	Chloritization, Spotty/Patchy, Weak								
363.40 - 364.40		SR	SP 2	Sericitization, Along Shear Planes, Weak								

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	363.40 - 364.40	CB SP 4			Carbonatization, Along Shear Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
	363.40 - 364.40	Py VN 0.1			Pyrite, Vein-controlled, 0.1%									
	363.40 - 364.40	Py FOL 0.1			Pyrite, Along foliation, 0.1%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
	363.40 - 364.40	WM SHRD			Sheared									
		Texture Maj:	Type		Comment									
	363.40 - 364.40	FG			Fine Grained (<1mm)									
	363.40 - 364.40	HT			Heterogeneous									
	363.40 - 364.40	BND			Banded									
364.40	380.45	2B Massive Flow (Mafic)		1	1	GG								
		<p>Massive to pillowed mafic flow. Massive to weakly sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating green grey to grey (90%) and white/cream(10%) bands (up to 5cm). Qtz-carb veining (1%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Weak to strong carb (massive zones weak, sheared zones strong) + mod chl along fol, weak-mod pv chl, weak ep MTV. Non magnetic. Upper contact with carbonate altered mafic volcanoclastics/epiclastics is sharp and parallel to foliation. Lower contact with fractured and bedded/laminated arenite is likely sharp but hazy.</p>												
		Alteration Maj:	Type/Style/Intensity		Comment									
	364.40 - 380.45	CL PV 2			Chloritization, Pervasive, Weak									
	364.40 - 380.45	CL SP 2			Chloritization, Along Shear Planes, Weak									
	364.40 - 380.45	CB SP 3			Carbonatization, Along Shear Planes, Moderate									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
	364.40 - 380.45	Py VN 0.1			Pyrite, Vein-controlled, 0.1%									
	364.40 - 380.45	Py DIS 0.1			Pyrite, Disseminated, 0.1%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
	364.40 - 380.45	W SHRD			Sheared									

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		Texture Maj:	Type	Comment											
		364.40 - 380.45	FG	Fine Grained (<1mm)											
		364.40 - 380.45	HT	Heterogeneous											
		364.40 - 380.45	BND	Banded											
380.45	383.70	6B Arenaceous-Arenite (Sandstone) - Clast	1	1	GY	422976	380.00	381.50	1.50	<0	-	<0.01	-	-	
		Fractured and bedded/laminated arenite. Moderately sheared with some parasitic folding (S folds) evident. Laminated/banded texture with alternating brown grey (75%) and white/cream(25%-carb rich) bands (up to 1cm). Qtz-carb veining (2-5%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY along fol and MTV. Strong carb + weak ser along fol. Non magnetic. Upper contact with carbonate altered mafic volcanoclastics/epiclastics is likely sharp but hazy. Lower contact with mafic/ultramafic flow is likely sharp, but hazy.				422977	381.50	383.00	1.50	<0	-	<0.01	-	-	
						422978	383.00	384.00	1.00	<0	-	<0.01	-	-	
		Alteration Maj:	Type/Style/Intensity		Comment										
		380.45 - 383.70	SR	SP 2	Sericitization, Along Shear Planes, Weak										
		380.45 - 383.70	CB	SP 4	Carbonatization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral		Comment										
		380.45 - 383.70	Py	VN 0.1	Pyrite, Vein-controlled, 0.1%										
		380.45 - 383.70	Py	FOL 0.1	Pyrite, Along foliation, 0.1%										
		Structure Maj.:	Inte/Type/Core Angle		Comment										
		380.45 - 383.70	WM	SHRD	Sheared										
		Texture Maj:	Type		Comment										
		380.45 - 383.70	FG	Fine Grained (<1mm)											
		380.45 - 383.70	HT	Heterogeneous											
		380.45 - 383.70	BND	Banded											

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383.70	411.00	2B Massive Flow (Mafic)	1	1	GRBLK	422979	384.00	385.50	1.50	<0	-	<0.01	-	-
<p>Massive to pillowed mafic/ultramafic flow. Weak to moderately sheared. Minor flow breccia textures in small zones. Parasitic folding evident (S-folds). Pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating greyish black to grey (75%) and white/cream(25%) bands (up to 5cm). Qtz-carb veining (1-3%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Weak-mod spt carb, weak-mod spt/MTV chl + talc. Non magnetic. Upper contact with fractured and bedded/laminated arenite is likely sharp but hazy. Lower contact with graphitic argillite is sharp and parallel to foliation.</p>														
Alteration Maj: Type/Style/Intensity Comment														
383.70 - 411.00		CL MTV 3	Chloritization, Marginal to veins, Moderate			422986	396.50	398.00	1.50	<0	-	<0.01	-	-
383.70 - 411.00		CL SPT 3	Chloritization, Spotty/Patchy, Moderate			422987	398.00	399.50	1.50	<0	-	<0.01	-	-
383.70 - 411.00		CB SPT 3	Carbonatization, Spotty/Patchy, Moderate			422988	410.00	411.00	1.00	<0	-	<0.01	-	-
Mineralization Maj. : Type/Style/%Mineral Comment														
383.70 - 411.00		Py FOL 0.1	Pyrite, Along foliation, 0.1%											
383.70 - 411.00		Py VN 1	Pyrite, Vein-controlled, 1%											
383.70 - 411.00		Py DIS 0.1	Pyrite, Disseminated, 0.1%											
Structure Maj.: Inte/Type/Core Angle Comment														
383.70 - 411.00		WM SHRD	Sheared											
Texture Maj: Type Comment														
383.70 - 411.00		FG	Fine Grained (<1mm)											
383.70 - 411.00		HT	Heterogeneous											
383.70 - 411.00		BND	Banded											
411.00	412.00	6E Argillite-Mudstone-Shale	1	1	GRBLK	422989	411.00	411.60	0.60	0	-	0.01	-	-
<p>Graphitic argillite. Greyish black in colour. Altered mafic composition with strong bands/horizons of graphite (25%) up to 15cm interbedded with mafic pillow flows (75%). 5-15% PY along fractcs or as blebs in or marginal to graphite horizons. strong carb along fol, weak chl along fol. Qtz-carb veinlets usually within and marginal to graphite horizons and generally parallel to foliation but irregular. Non magnetic. Upper contact with massive to pillowed mafic/ultramafic flow is sharp. Lower contact with carbonate</p>														
						422990	411.60	412.00	0.40	0	-	0.01	-	-

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		altered massive mafic flow is sharp.												
		Alteration Maj:	Type/Style/Intensity	Comment										
	411.00 - 412.00	CL SP 2		Chloritization, Along Shear Planes, Weak										
	411.00 - 412.00	CB SP 4		Carbonatization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	411.00 - 412.00	Py VN 3		Pyrite, Vein-controlled, 3%										
	411.00 - 412.00	Py FAC 5		Pyrite, Fracture-controlled, 5%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
	411.00 - 412.00	WM SHRD		Sheared										
		Texture Maj:	Type	Comment										
	411.00 - 412.00	FG		Fine Grained (<1mm)										
	411.00 - 412.00	HT		Heterogeneous										
	411.00 - 412.00	BND		Banded										
412.00	415.95	2B Massive Flow (Mafic)		1	1	GG	422991	412.00	413.00	1.00	<0	-	<0.01	-
		Carbonate altered massive mafic flow. Massive to weakly sheared. Pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating brown grey to green grey (80%) and white/cream(20%) bands (up to 15cm). Qtz-carb veining (5-10%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Strong carb + mod ser along fol/spt, weak-mod spt chl. Non magnetic. Upper contact with graphitic arillite is gradational. Lower contact with qtz-carb stockwork is gradational.					422992	413.00	414.50	1.50	<0	-	<0.01	-
							422993	414.50	416.00	1.50	<0	-	<0.01	-
		Alteration Maj:	Type/Style/Intensity	Comment										
	412.00 - 415.95	CL SPT 2		Chloritization, Spotty/Patchy, Weak										
	412.00 - 415.95	SR SP 2		Sericitization, Along Shear Planes, Weak										
	412.00 - 415.95	CB SP 4		Carbonatization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	412.00 - 415.95	Py VN 0.1		Pyrite, Vein-controlled, 0.1%										

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	412.00 - 415.95	Py DIS 0.1			Pyrite, Disseminated, 0.1%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
	412.00 - 415.95	WM SHRD			Sheared									
		Texture Maj:	Type		Comment									
	412.00 - 415.95	FG			Fine Grained (<1mm)									
	412.00 - 415.95	HT			Heterogeneous									
	412.00 - 415.95	BND			Banded									
415.95	418.00	QTCS Quartz-(Carbonate) Stockwork W		1	1	GY	422994	416.00	417.00	1.00	<0	-	<0.01	-
		Quartz-carbonate stockwork zone in massive mafic flow(minor pillow textures in some zones). Weak to mod sheared. Faint banded texture with alternating brown grey (90%) and white/cream(10%) bands (up to 10cm). Qtz-carb veining/stockwork (15%) generally parallel to fol but irregular, sometimes boudinaged. Strong fe carb + weak chl + ser along foll. Trace to 1% PY diss and MTV. Non magnetic. Upper contact with carbonate altered massive mafic flow is gradational. Lower contact with carbonate altered massive mafic flow is gradational.					422995	417.00	418.00	1.00	<0	-	<0.01	-
		Alteration Maj:	Type/Style/Intensity		Comment									
	415.95 - 418.00	SR SP 2			Sericitization, Along Shear Planes, Weak									
	415.95 - 418.00	CL SP 2			Chloritization, Along Shear Planes, Weak									
	415.95 - 418.00	CB SP 4			Carbonatization, Along Shear Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
	415.95 - 418.00	Py FOL 0.1			Pyrite, Along foliation, 0.1%									
	415.95 - 418.00	Py VN 0.5			Pyrite, Vein-controlled, 0.5%									
		Structure Maj.:	Inte/Type/Core Angle		Comment									
	415.95 - 418.00	WM SHRD			Sheared									
		Texture Maj:	Type		Comment									
	415.95 - 418.00	FG			Fine Grained (<1mm)									

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-05**Project: **ARIMATHEA**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	415.95 - 418.00	HT	Heterogeneous											
	415.95 - 418.00	BND	Banded											
418.00	423.00	2B Massive Flow (Mafic)	1	1	GY	422997	420.50	422.00	1.50	<0	-	<0.01	-	-
		Carbonate altered massive mafic flow. Massive to weakly sheared. Some zones may be pillowed but pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating brown grey (90%) and white/cream(10%) bands (up to 15cm). Qtz-carb veining (1%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY along fol and MTV. Strong carb + weak ser along fol/spt, weak spt chl. Non magnetic. Upper contact with qtz-carb stockwork is gradational. Lower contact with qtz-carb stockwork is gradational.				422998	422.00	423.00	1.00	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
	418.00 - 423.00	CL SPT 2	Chloritization, Spotty/Patchy, Weak											
	418.00 - 423.00	SR SP 2	Sericitization, Along Shear Planes, Weak											
	418.00 - 423.00	CB SP 4	Carbonatization, Along Shear Planes, Strong											
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	418.00 - 423.00	Py VN 0.1	Pyrite, Vein-controlled, 0.1%											
	418.00 - 423.00	Py FOL 0.1	Pyrite, Along foliation, 0.1%											
		Structure Maj.:	Inte/Type/Core Angle	Comment										
	418.00 - 423.00	W SHRD	Sheared											
		Texture Maj:	Type	Comment										
	418.00 - 423.00	FG	Fine Grained (<1mm)											
	418.00 - 423.00	HT	Heterogeneous											
	418.00 - 423.00	BND	Banded											
423.00	424.00	QTCS Quartz-(Carbonate) Stockwork	1	1	GY	422999	423.00	424.00	1.00	<0	-	<0.01	-	-
		W	Quartz-carbonate stockwork zone in massive mafic flow(minor pillow textures in some zones). Weak-											

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-05**Project: **ARIMATHEA**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
<p>moderately sheared. Faint banded texture with alternating brown grey (90%) and white/cream(10%) bands (up to 3cm). Qtz-carb veining/stockwork(25%) generally parallel to fol but irregular, sometimes boudinaged. Strong fe carb + weak chl + ser along foll. Trace PY along foland MTV. Non magnetic. Upper contact with carbonate altered massive mafic flow is gradational. Lower contact with carbonate altered massive mafic flow is gradational.</p>														
Alteration Maj:		Type/Style/Intensity	Comment											
423.00 - 424.00		SR SP 2	Sericitization, Along Shear Planes, Weak											
423.00 - 424.00		CL SP 2	Chloritization, Along Shear Planes, Weak											
423.00 - 424.00		CB SP 4	Carbonatization, Along Shear Planes, Strong											
Mineralization Maj. :		Type/Style/%Mineral	Comment											
423.00 - 424.00		Py VN 0.1	Pyrite, Vein-controlled, 0.1%											
423.00 - 424.00		Py FOL 0.1	Pyrite, Along foliation, 0.1%											
Structure Maj.:		Inte/Type/Core Angle	Comment											
423.00 - 424.00		WM SHRD	Sheared											
Texture Maj:		Type	Comment											
423.00 - 424.00		FG	Fine Grained (<1mm)											
423.00 - 424.00		HT	Heterogeneous											
423.00 - 424.00		BND	Banded											
424.00	431.00	2B Massive Flow (Mafic)	1	1	GY	423000	424.00	425.00	1.00	0	-	0.02	-	-
<p>Carbonate altered massive mafic flow. Massive to weakly sheared. Some zones may be pillowed but pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating brown grey to green grey (90%) and white/cream(10%) bands (up to 15cm). Qtz-carb veining (1%) generally parallel to fol but irregular, sometimes boudinaged. Trace PY along fol and MTV. Strong carb + weak ser along fol/spt, weak spt chl. Non magnetic. Upper contact with qtz-carb stockwork is gradational. EOH</p>														
Alteration Maj:		Type/Style/Intensity	Comment											
424.00 - 431.00		CL SPT 2	Chloritization, Spotty/Patchy, Weak											

LITHOLOGY REPORT
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Project: **ARIMATHEA**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
424.00 - 431.00		SR SP 2	Sericitization, Along Shear Planes, Weak									
424.00 - 431.00		CB SP 4	Carbonatization, Along Shear Planes, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
424.00 - 431.00		Py VN 0.1	Pyrite, Vein-controlled, 0.1%									
424.00 - 431.00		Py FOL 0.1	Pyrite, Along foliation, 0.1%									
		Structure Maj.:	Inte/Type/Core Angle	Comment								
424.00 - 431.00		W SHRD	Sheared									
		Texture Maj:	Type	Comment								
424.00 - 431.00		FG	Fine Grained (<1mm)									
424.00 - 431.00		HT	Heterogeneous									
424.00 - 431.00		BND	Banded									

SAMPLE DESCRIPTION REPORT
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Project: **ARIMATHEA**

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
7.00	8.00	1.00	422745	
37.00	38.00	1.00	422746	
38.00	38.70	0.70	422747	
38.70	39.30	0.60	422749	
39.30	39.90	0.60	422750	
39.90	41.00	1.10	422751	
41.00	42.00	1.00	422752	
51.15	52.15	1.00	422753	
52.15	53.00	0.85	422754	
56.40	57.00	0.60	422755	
57.00	57.65	0.65	422756	
57.65	58.60	0.95	422757	
61.00	62.00	1.00	422758	
71.00	71.70	0.70	422759	
71.70	72.40	0.70	422761	
72.40	73.00	0.60	422762	
73.00	73.50	0.50	422763	
73.50	74.00	0.50	422764	
74.00	74.50	0.50	422765	
74.50	75.00	0.50	422766	
75.00	75.50	0.50	422767	
75.50	76.00	0.50	422768	
76.00	76.50	0.50	422769	
76.50	77.00	0.50	422770	
77.00	78.00	1.00	422771	
78.00	79.00	1.00	422773	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
79.00	80.50	1.50	422774	
80.50	82.00	1.50	422775	
82.00	83.00	1.00	422776	
83.00	84.30	1.30	422777	
84.30	85.00	0.70	422778	
85.00	85.50	0.50	422779	
85.50	86.00	0.50	422780	
86.00	86.50	0.50	422781	
86.50	87.25	0.75	422782	
87.25	88.00	0.75	422783	
88.00	89.00	1.00	422785	
89.00	90.00	1.00	422786	
90.00	90.50	0.50	422787	
90.50	91.50	1.00	422788	
91.50	92.00	0.50	422789	
92.00	92.40	0.40	422790	
92.40	92.80	0.40	422791	
92.80	94.00	1.20	422792	
94.00	95.00	1.00	422793	
95.00	96.00	1.00	422794	
96.00	97.00	1.00	422795	
97.00	98.00	1.00	422797	
98.00	99.00	1.00	422798	
99.00	100.40	1.40	422799	
100.40	101.60	1.20	422800	
101.60	103.00	1.40	422801	

SAMPLE DESCRIPTION REPORT
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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Length</i> <i>(m)</i>	<i>Sample #</i>	<i>Comments</i>
103.00	104.00	1.00	422802	
110.00	111.00	1.00	422803	
111.00	112.00	1.00	422804	
112.00	113.00	1.00	422805	
113.00	114.00	1.00	422806	
114.00	115.00	1.00	422807	
115.00	116.00	1.00	422808	
116.00	117.00	1.00	422809	
117.00	118.00	1.00	422810	
118.00	119.00	1.00	422811	
119.00	120.00	1.00	422813	
120.00	121.00	1.00	422814	
121.00	122.00	1.00	422815	
122.00	123.00	1.00	422816	
123.00	124.00	1.00	422817	
124.00	125.00	1.00	422818	
125.00	126.00	1.00	422819	
126.00	127.00	1.00	422820	
127.00	128.00	1.00	422821	
128.00	129.00	1.00	422822	
129.00	130.00	1.00	422823	
130.00	131.00	1.00	422825	
131.00	131.80	0.80	422826	
131.80	133.00	1.20	422827	
133.00	134.00	1.00	422828	
134.00	135.30	1.30	422829	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
135.30	136.30	1.00	422830	
136.30	137.75	1.45	422831	
137.75	138.35	0.60	422832	
139.40	140.00	0.60	422833	
142.00	143.00	1.00	422834	
143.00	144.00	1.00	422835	
144.00	145.00	1.00	422837	
145.00	145.60	0.60	422838	
145.60	146.00	0.40	422839	
146.00	146.65	0.65	422840	
146.65	147.35	0.70	422841	
147.35	148.00	0.65	422842	
148.00	148.60	0.60	422843	
148.60	149.20	0.60	422844	
149.20	149.80	0.60	422845	
149.80	150.40	0.60	422846	
150.40	151.00	0.60	422847	
151.00	152.00	1.00	422849	
152.00	153.00	1.00	422850	
153.00	153.80	0.80	422851	
153.80	154.30	0.50	422852	
154.30	155.00	0.70	422853	
155.00	156.00	1.00	422854	
156.00	157.00	1.00	422855	
157.00	158.00	1.00	422856	
158.00	159.00	1.00	422857	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
159.00	159.75	0.75	422858	
159.75	160.35	0.60	422859	
160.35	160.75	0.40	422861	
160.75	161.50	0.75	422862	
161.50	162.00	0.50	422863	
162.00	162.60	0.60	422864	
162.60	163.35	0.75	422865	
163.35	164.15	0.80	422866	
164.15	164.75	0.60	422867	
164.75	165.30	0.55	422868	
165.30	166.75	1.45	422869	
166.75	168.20	1.45	422870	
168.20	169.00	0.80	422871	
169.00	170.00	1.00	422873	
170.00	171.00	1.00	422874	
178.60	180.00	1.40	422875	
185.40	186.50	1.10	422876	
186.50	187.00	0.50	422877	
187.00	188.15	1.15	422878	
192.00	193.00	1.00	422879	
193.00	194.05	1.05	422880	
194.05	194.55	0.50	422881	
194.55	195.20	0.65	422882	
195.20	196.10	0.90	422883	
196.10	197.55	1.45	422885	
197.55	198.55	1.00	422886	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
198.55	199.55	1.00	422887	
199.55	201.00	1.45	422888	
209.00	210.00	1.00	422889	
210.00	211.00	1.00	422890	
211.00	212.00	1.00	422891	
212.00	213.00	1.00	422892	
213.00	214.00	1.00	422893	
227.00	228.00	1.00	422894	
228.00	229.00	1.00	422895	
229.00	230.00	1.00	422897	
230.00	231.00	1.00	422898	
231.00	232.00	1.00	422899	
232.00	233.00	1.00	422900	
235.25	236.10	0.85	422901	
236.10	237.00	0.90	422902	
237.00	237.80	0.80	422903	
242.00	243.00	1.00	422904	
248.00	249.00	1.00	422905	
249.00	250.00	1.00	422906	
250.00	251.00	1.00	422907	
251.00	252.00	1.00	422908	
252.00	253.00	1.00	422909	
253.00	254.00	1.00	422910	
254.00	255.00	1.00	422911	
260.00	261.00	1.00	422913	
261.00	262.00	1.00	422914	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
264.30	264.75	0.45	422915	
272.70	273.45	0.75	422916	
294.00	295.00	1.00	422917	
295.00	296.00	1.00	422918	
296.00	297.00	1.00	422919	
297.00	298.45	1.45	422920	
302.00	303.40	1.40	422921	
303.40	304.00	0.60	422922	
304.00	305.05	1.05	422923	
305.05	306.00	0.95	422925	
306.00	307.00	1.00	422926	
307.00	308.00	1.00	422927	
308.00	309.00	1.00	422928	
309.00	310.00	1.00	422929	
310.00	311.00	1.00	422930	
311.00	312.00	1.00	422931	
312.00	313.50	1.50	422932	
313.50	314.00	0.50	422933	
314.00	314.80	0.80	422934	
314.80	315.50	0.70	422935	
315.50	316.15	0.65	422937	
316.15	317.00	0.85	422938	
317.00	317.80	0.80	422939	
317.80	318.35	0.55	422940	
318.35	319.00	0.65	422941	
319.00	320.00	1.00	422942	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
320.00	321.30	1.30	422943	
321.30	321.80	0.50	422944	
321.80	323.00	1.20	422945	
323.00	324.50	1.50	422946	
327.00	328.50	1.50	422947	
328.50	329.40	0.90	422949	
329.40	330.85	1.45	422950	
330.85	332.00	1.15	422951	
332.00	332.80	0.80	422952	
332.80	333.75	0.95	422953	
333.75	335.25	1.50	422954	
335.25	336.00	0.75	422955	
336.00	337.00	1.00	422956	
337.00	338.00	1.00	422957	
338.00	339.00	1.00	422958	
339.00	340.50	1.50	422959	
340.50	342.00	1.50	422961	
342.00	343.50	1.50	422962	
343.50	345.00	1.50	422963	
345.00	346.50	1.50	422964	
346.50	347.50	1.00	422965	
347.50	348.65	1.15	422966	
353.00	354.50	1.50	422967	
354.50	356.00	1.50	422968	
356.00	357.00	1.00	422969	
357.00	358.10	1.10	422970	

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
358.10	359.50	1.40	422971	
359.50	361.00	1.50	422973	
361.00	362.00	1.00	422974	
362.00	363.40	1.40	422975	
380.00	381.50	1.50	422976	
381.50	383.00	1.50	422977	
383.00	384.00	1.00	422978	
384.00	385.50	1.50	422979	
385.50	387.00	1.50	422980	
387.00	388.00	1.00	422981	
388.00	389.00	1.00	422982	
389.00	390.00	1.00	422983	
395.00	396.50	1.50	422985	
396.50	398.00	1.50	422986	
398.00	399.50	1.50	422987	
410.00	411.00	1.00	422988	
411.00	411.60	0.60	422989	
411.60	412.00	0.40	422990	
412.00	413.00	1.00	422991	
413.00	414.50	1.50	422992	
414.50	416.00	1.50	422993	
416.00	417.00	1.00	422994	
417.00	418.00	1.00	422995	
420.50	422.00	1.50	422997	
422.00	423.00	1.00	422998	
423.00	424.00	1.00	422999	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Comments</i>
<i>(m)</i>	<i>(m)</i>	<i>(m)</i>		
424.00	425.00	1.00	423000	

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i>	<i>AV</i>	<i>FA</i>	<i>FA2</i>	<i>FA3</i>	<i>FA4</i>	<i>FA5</i>	<i>SFA</i>	<i>SFA2</i>	<i>SFA3</i>	<i>GA</i>	<i>GA2</i>	<i>GA3</i>	<i>GA4</i>	<i>GA5</i>	<i>AR</i>	<i>AR2</i>	<i>AR3</i>	<i>Wt</i>
(m)	(m)	(m)					(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(kg)
7.00	8.00	1.00	422745	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.00	38.00	1.00	422746	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.00	38.70	0.70	422747	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.70	39.30	0.60	422749	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.30	39.90	0.60	422750	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.90	41.00	1.10	422751	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41.00	42.00	1.00	422752	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51.15	52.15	1.00	422753	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52.15	53.00	0.85	422754	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
56.40	57.00	0.60	422755	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57.00	57.65	0.65	422756	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57.65	58.60	0.95	422757	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61.00	62.00	1.00	422758	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.00	71.70	0.70	422759	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.70	72.40	0.70	422761	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.40	73.00	0.60	422762	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73.00	73.50	0.50	422763	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
73.50	74.00	0.50	422764	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74.00	74.50	0.50	422765	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
74.50	75.00	0.50	422766	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75.00	75.50	0.50	422767	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75.50	76.00	0.50	422768	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76.00	76.50	0.50	422769	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76.50	77.00	0.50	422770	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
77.00	78.00	1.00	422771	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78.00	79.00	1.00	422773	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79.00	80.50	1.50	422774	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80.50	82.00	1.50	422775	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
82.00	83.00	1.00	422776	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
83.00	84.30	1.30	422777	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
84.30	85.00	0.70	422778	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.00	85.50	0.50	422779	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.50	86.00	0.50	422780	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86.00	86.50	0.50	422781	ActLabs	SU1501459A	07-Dec-15	0	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86.50	87.25	0.75	422782	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87.25	88.00	0.75	422783	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.00	89.00	1.00	422785	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.00	90.00	1.00	422786	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.00	90.50	0.50	422787	ActLabs	SU1501459A	07-Dec-15	0	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.50	91.50	1.00	422788	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.50	92.00	0.50	422789	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.00	92.40	0.40	422790	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.40	92.80	0.40	422791	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.80	94.00	1.20	422792	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
94.00	95.00	1.00	422793	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95.00	96.00	1.00	422794	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.00	97.00	1.00	422795	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97.00	98.00	1.00	422797	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
98.00	99.00	1.00	422798	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99.00	100.40	1.40	422799	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100.40	101.60	1.20	422800	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101.60	103.00	1.40	422801	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
103.00	104.00	1.00	422802	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110.00	111.00	1.00	422803	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111.00	112.00	1.00	422804	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112.00	113.00	1.00	422805	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
113.00	114.00	1.00	422806	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.00	115.00	1.00	422807	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
115.00	116.00	1.00	422808	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
116.00	117.00	1.00	422809	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
117.00	118.00	1.00	422810	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
118.00	119.00	1.00	422811	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
119.00	120.00	1.00	422813	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120.00	121.00	1.00	422814	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
121.00	122.00	1.00	422815	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
122.00	123.00	1.00	422816	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
123.00	124.00	1.00	422817	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124.00	125.00	1.00	422818	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125.00	126.00	1.00	422819	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126.00	127.00	1.00	422820	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127.00	128.00	1.00	422821	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128.00	129.00	1.00	422822	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129.00	130.00	1.00	422823	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
130.00	131.00	1.00	422825	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131.00	131.80	0.80	422826	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131.80	133.00	1.20	422827	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
133.00	134.00	1.00	422828	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
134.00	135.30	1.30	422829	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
135.30	136.30	1.00	422830	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136.30	137.75	1.45	422831	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137.75	138.35	0.60	422832	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139.40	140.00	0.60	422833	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142.00	143.00	1.00	422834	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
143.00	144.00	1.00	422835	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.00	145.00	1.00	422837	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145.00	145.60	0.60	422838	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145.60	146.00	0.40	422839	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
146.00	146.65	0.65	422840	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
146.65	147.35	0.70	422841	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
147.35	148.00	0.65	422842	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
148.00	148.60	0.60	422843	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148.60	149.20	0.60	422844	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149.20	149.80	0.60	422845	ActLabs	SU1501459A	07-Dec-15	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149.80	150.40	0.60	422846	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.40	151.00	0.60	422847	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151.00	152.00	1.00	422849	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152.00	153.00	1.00	422850	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153.00	153.80	0.80	422851	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153.80	154.30	0.50	422852	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154.30	155.00	0.70	422853	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155.00	156.00	1.00	422854	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156.00	157.00	1.00	422855	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157.00	158.00	1.00	422856	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158.00	159.00	1.00	422857	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159.00	159.75	0.75	422858	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159.75	160.35	0.60	422859	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160.35	160.75	0.40	422861	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160.75	161.50	0.75	422862	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
161.50	162.00	0.50	422863	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162.00	162.60	0.60	422864	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162.60	163.35	0.75	422865	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
163.35	164.15	0.80	422866	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
164.15	164.75	0.60	422867	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
164.75	165.30	0.55	422868	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
165.30	166.75	1.45	422869	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
166.75	168.20	1.45	422870	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168.20	169.00	0.80	422871	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
169.00	170.00	1.00	422873	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170.00	171.00	1.00	422874	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178.60	180.00	1.40	422875	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
185.40	186.50	1.10	422876	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
186.50	187.00	0.50	422877	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187.00	188.15	1.15	422878	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
192.00	193.00	1.00	422879	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193.00	194.05	1.05	422880	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194.05	194.55	0.50	422881	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194.55	195.20	0.65	422882	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195.20	196.10	0.90	422883	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
196.10	197.55	1.45	422885	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
197.55	198.55	1.00	422886	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198.55	199.55	1.00	422887	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199.55	201.00	1.45	422888	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209.00	210.00	1.00	422889	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
210.00	211.00	1.00	422890	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
211.00	212.00	1.00	422891	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
212.00	213.00	1.00	422892	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
213.00	214.00	1.00	422893	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
227.00	228.00	1.00	422894	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
228.00	229.00	1.00	422895	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
229.00	230.00	1.00	422897	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230.00	231.00	1.00	422898	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
231.00	232.00	1.00	422899	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
232.00	233.00	1.00	422900	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
235.25	236.10	0.85	422901	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
236.10	237.00	0.90	422902	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
237.00	237.80	0.80	422903	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242.00	243.00	1.00	422904	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
248.00	249.00	1.00	422905	ActLabs	SU1501459A	07-Dec-15	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
249.00	250.00	1.00	422906	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
250.00	251.00	1.00	422907	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
251.00	252.00	1.00	422908	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
252.00	253.00	1.00	422909	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
253.00	254.00	1.00	422910	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
254.00	255.00	1.00	422911	ActLabs	SU1501459A	07-Dec-15	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
260.00	261.00	1.00	422913	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
261.00	262.00	1.00	422914	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
264.30	264.75	0.45	422915	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
272.70	273.45	0.75	422916	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
294.00	295.00	1.00	422917	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295.00	296.00	1.00	422918	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
296.00	297.00	1.00	422919	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
297.00	298.45	1.45	422920	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302.00	303.40	1.40	422921	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303.40	304.00	0.60	422922	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304.00	305.05	1.05	422923	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305.05	306.00	0.95	422925	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306.00	307.00	1.00	422926	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307.00	308.00	1.00	422927	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308.00	309.00	1.00	422928	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309.00	310.00	1.00	422929	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310.00	311.00	1.00	422930	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311.00	312.00	1.00	422931	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312.00	313.50	1.50	422932	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313.50	314.00	0.50	422933	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314.00	314.80	0.80	422934	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
314.80	315.50	0.70	422935	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315.50	316.15	0.65	422937	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316.15	317.00	0.85	422938	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317.00	317.80	0.80	422939	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317.80	318.35	0.55	422940	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
318.35	319.00	0.65	422941	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319.00	320.00	1.00	422942	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320.00	321.30	1.30	422943	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321.30	321.80	0.50	422944	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321.80	323.00	1.20	422945	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
323.00	324.50	1.50	422946	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327.00	328.50	1.50	422947	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328.50	329.40	0.90	422949	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
329.40	330.85	1.45	422950	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330.85	332.00	1.15	422951	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
332.00	332.80	0.80	422952	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
332.80	333.75	0.95	422953	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333.75	335.25	1.50	422954	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335.25	336.00	0.75	422955	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336.00	337.00	1.00	422956	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337.00	338.00	1.00	422957	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338.00	339.00	1.00	422958	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339.00	340.50	1.50	422959	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
340.50	342.00	1.50	422961	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
342.00	343.50	1.50	422962	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
343.50	345.00	1.50	422963	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
345.00	346.50	1.50	422964	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
346.50	347.50	1.00	422965	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
347.50	348.65	1.15	422966	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
353.00	354.50	1.50	422967	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
354.50	356.00	1.50	422968	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
356.00	357.00	1.00	422969	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
357.00	358.10	1.10	422970	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
358.10	359.50	1.40	422971	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
359.50	361.00	1.50	422973	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
361.00	362.00	1.00	422974	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
362.00	363.40	1.40	422975	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
380.00	381.50	1.50	422976	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
381.50	383.00	1.50	422977	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
383.00	384.00	1.00	422978	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
384.00	385.50	1.50	422979	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
385.50	387.00	1.50	422980	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
387.00	388.00	1.00	422981	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
388.00	389.00	1.00	422982	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
389.00	390.00	1.00	422983	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
395.00	396.50	1.50	422985	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
396.50	398.00	1.50	422986	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
398.00	399.50	1.50	422987	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410.00	411.00	1.00	422988	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
411.00	411.60	0.60	422989	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
411.60	412.00	0.40	422990	ActLabs	SU1501459A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
412.00	413.00	1.00	422991	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
413.00	414.50	1.50	422992	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
414.50	416.00	1.50	422993	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
416.00	417.00	1.00	422994	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417.00	418.00	1.00	422995	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
420.50	422.00	1.50	422997	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422.00	423.00	1.00	422998	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
423.00	424.00	1.00	422999	ActLabs	SU1501459A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
424.00	425.00	1.00	423000	ActLabs	SU1501459A	07-Dec-15	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

QUALITY CONTROL REPORT

Hole Number **BEN15-05**

Project: **ARIMATHEA**

Project Number: **240**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)	
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)		Au (ppm)
422760	STANDARD		OREAS 501	ActLabs	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422772	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422784	STANDARD		OREAS 504	ActLabs	-	-	1.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422796	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422812	STANDARD		OREAS 204	ActLabs	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422824	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422836	STANDARD		OREAS 206	ActLabs	-	-	2.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422848	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422860	STANDARD		OREAS 501	ActLabs	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422872	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422884	STANDARD		OREAS 504	ActLabs	-	-	1.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422896	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422912	STANDARD		OREAS 204	ActLabs	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422924	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422936	STANDARD		OREAS 206	ActLabs	-	-	2.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422948	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422960	STANDARD		OREAS 501	ActLabs	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422972	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422984	STANDARD		OREAS 504	ActLabs	-	-	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
422996	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Hole Number: **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 356	Length: 21	Dimension: NQ	Claim No.: 4249463	Company: IAMGOLD
Dip: -46	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 224	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 23-Nov-15	Cemented: no	Hole Type: DDH	Section: 110+00E	Surveyed:
Completed: 25-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 01-Dec-15	Making water: yes	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			

Target: IP Chargeability High/Resistivity Low

Comment: Targets - IP chargeability high & coincidental low resistivity zone in a strong linear magnetic low with FW RDZ anastomosing shears and quartz-carbonate vein structures

Observations / Conclusions:

- Several graphitic units from 75.3 to 124.7 in argillaceous units have been intersected and are up to 3.7 m wide with local 5% to 10% pyrite – correlate with strong IP chargeability and low resistivity.
- Fractured arenaceous sequence up 10m wide with numerous quartz-carbonate veining; highlighted by two (2) quartz stockwork structures up to 1.2m wide and up to 5% to 10% disseminated py-po-

Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local
East: 441000	East: 0	East: 0
North: 5270575	North: 0	North: 0
Elev.: 398	Elev.: 0	Elev.: 0

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	356.00	-46.00	441400	5270500	400		C	<input checked="" type="checkbox"/>	
17.00	355.70	-45.70	0	0	0	34451.6	MS	<input checked="" type="checkbox"/>	
29.00	356.00	-45.80	0	0	0	56129.8	MS	<input checked="" type="checkbox"/>	
32.00	356.10	-45.60	0	0	0	55789	MS	<input checked="" type="checkbox"/>	
35.00	356.10	-45.90	0	0	0	55716	MS	<input checked="" type="checkbox"/>	
38.00	356.00	-45.70	0	0	0	55632.3	MS	<input checked="" type="checkbox"/>	
41.00	356.10	-45.70	0	0	0	55620.5	MS	<input checked="" type="checkbox"/>	
44.00	356.50	-45.20	0	0	0	55592.6	MS	<input checked="" type="checkbox"/>	
47.00	356.20	-45.30	0	0	0	55558.6	MS	<input checked="" type="checkbox"/>	
50.00	356.00	-45.50	0	0	0	55632.2	MS	<input checked="" type="checkbox"/>	
53.00	356.10	-45.20	0	0	0	55574.6	MS	<input checked="" type="checkbox"/>	
56.00	356.10	-45.20	0	0	0	55555.8	MS	<input checked="" type="checkbox"/>	
59.00	356.60	-44.90	0	0	0	55522.1	MS	<input checked="" type="checkbox"/>	
62.00	356.40	-45.20	0	0	0	55524.4	MS	<input checked="" type="checkbox"/>	
65.00	356.20	-45.10	0	0	0	55437.6	MS	<input checked="" type="checkbox"/>	

Hole Number: **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other	
Azimuth:	356	Length:	21	Dimension:	NQ	Claim No.:	4249463	Company:	IAMGOLD
Dip:	-46	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois
Length:	224	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach
Started:	23-Nov-15	Cemented:	no	Hole Type	DDH	Section:	110+00E	Surveyed:	
Completed:	25-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:	
Logged:	01-Dec-15	Making water:	yes	Relog by:		NAD:	NAD83	Multi shot su	yes
Township:	ST.LOUIS	Plugged:	no						

Target: IP Chargeability High/Resistivity Low

Comment: Targets - IP chargeability high & coincidental low resistivity zone in a strong linear magnetic low with FW RDZ anastomosing shears and quartz-carbonate vein structures

Observations / Conclusions:

- Several graphitic units from 75.3 to 124.7 in argillaceous units have been intersected and are up to 3.7 m wide with local 5% to 10% pyrite – correlate with strong IP chargeability and low resistivity.
- Fractured arenaceous sequence up 10m wide with numerous quartz-carbonate veining; highlighted by two (2) quartz stockwork structures up to 1.2m wide and up to 5% to 10% disseminated py-po-

Coordinate - Gemcom		Coordinate - UTM		Coordinate - Local	
East:	441000	East:	0	East:	0
North:	5270575	North:	0	North:	0
Elev.:	398	Elev.:	0	Elev.:	0

Distance	Azimuth	Dip	Easting	Northing	Elevation	Mag. Fie.	Type	Good	Comments
68.00	356.30	-44.80	0	0	0	55480.9	MS	✓	
71.00	356.80	-44.60	0	0	0	55543.8	MS	✓	
74.00	356.90	-44.60	0	0	0	55510.5	MS	✓	
77.00	356.60	-44.60	0	0	0	55575.8	MS	✓	
80.00	356.50	-44.80	0	0	0	55485.6	MS	✓	
83.00	356.50	-44.90	0	0	0	55558	MS	✓	
86.00	356.50	-44.70	0	0	0	55519.6	MS	✓	
89.00	356.70	-44.80	0	0	0	55487.8	MS	✓	
92.00	356.40	-44.60	0	0	0	55467.7	MS	✓	
95.00	356.70	-44.40	0	0	0	55529.4	MS	✓	
98.00	356.60	-44.40	0	0	0	55474.5	MS	✓	
101.00	357.00	-44.20	0	0	0	55533.4	MS	✓	
104.00	357.00	-44.20	0	0	0	55553.9	MS	✓	
107.00	356.80	-44.30	0	0	0	55547.2	MS	✓	
110.00	356.80	-44.50	0	0	0	55488.3	MS	✓	
113.00	356.90	-44.40	0	0	0	55532.2	MS	✓	

Hole Number: **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other	
Azimuth:	356	Length:	21	Dimension:	NQ	Claim No.:	4249463	Company:	IAMGOLD
Dip:	-46	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois
Length:	224	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach
Started:	23-Nov-15	Cemented:	no	Hole Type	DDH	Section:	110+00E	Surveyed:	
Completed:	25-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:	
Logged:	01-Dec-15	Making water:	yes	Relog by:		NAD:	NAD83	Multi shot su	yes
Township:	ST.LOUIS	Plugged:	no						

Target: IP Chargeability High/Resistivity Low

Comment: Targets - IP chargeability high & coincidental low resistivity zone in a strong linear magnetic low with FW RDZ anastomosing shears and quartz-carbonate vein structures

Observations / Conclusions:

- Several graphitic units from 75.3 to 124.7 in argillaceous units have been intersected and are up to 3.7 m wide with local 5% to 10% pyrite – correlate with strong IP chargeability and low resistivity.
- Fractured arenaceous sequence up 10m wide with numerous quartz-carbonate veining; highlighted by two (2) quartz stockwork structures up to 1.2m wide and up to 5% to 10% disseminated py-po-

Coordinate - Gemcom		Coordinate - UTM		Coordinate - Local	
East:	441000	East:	0	East:	0
North:	5270575	North:	0	North:	0
Elev.:	398	Elev.:	0	Elev.:	0

Distance	Azimuth	Dip	Easting	Northing	Elevation	Mag. Fie.	Type	Good	Comments
116.00	357.30	-44.00	0	0	0	55500.8	MS	✓	
119.00	357.50	-43.90	0	0	0	55505	MS	✓	
122.00	357.40	-44.30	0	0	0	55559.6	MS	✓	
125.00	357.20	-44.30	0	0	0	55500.8	MS	✓	
128.00	357.60	-44.00	0	0	0	55583.5	MS	✓	
131.00	357.60	-43.90	0	0	0	55528.4	MS	✓	
134.00	358.10	-43.80	0	0	0	55499.5	MS	✓	
137.00	357.60	-43.80	0	0	0	55522.2	MS	✓	
140.00	357.70	-43.80	0	0	0	55513.9	MS	✓	
143.00	358.00	-43.70	0	0	0	55556.6	MS	✓	
146.00	358.10	-43.70	0	0	0	55586.6	MS	✓	
149.00	358.40	-43.50	0	0	0	55568	MS	✓	
152.00	358.00	-43.80	0	0	0	55553.3	MS	✓	
155.00	358.10	-43.80	0	0	0	55574.2	MS	✓	
158.00	358.50	-43.50	0	0	0	55573.6	MS	✓	
161.00	358.20	-43.70	0	0	0	55575.5	MS	✓	

Hole Number: **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other	
Azimuth:	356	Length:	21	Dimension:	NQ	Claim No.:	4249463	Company:	IAMGOLD
Dip:	-46	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois
Length:	224	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach
Started:	23-Nov-15	Cemented:	no	Hole Type	DDH	Section:	110+00E	Surveyed:	
Completed:	25-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:	
Logged:	01-Dec-15	Making water:	yes	Relog by:		NAD:	NAD83	Multi shot su	yes
Township:	ST.LOUIS	Plugged:	no						

Target: IP Chargeability High/Resistivity Low

Comment: Targets - IP chargeability high & coincidental low resistivity zone in a strong linear magnetic low with FW RDZ anastomosing shears and quartz-carbonate vein structures

Observations / Conclusions:

- Several graphitic units from 75.3 to 124.7 in argillaceous units have been intersected and are up to 3.7 m wide with local 5% to 10% pyrite – correlate with strong IP chargeability and low resistivity.
- Fractured arenaceous sequence up 10m wide with numerous quartz-carbonate veining; highlighted by two (2) quartz stockwork structures up to 1.2m wide and up to 5% to 10% disseminated py-po-

Coordinate - Gemcom		Coordinate - UTM		Coordinate - Local	
East:	441000	East:	0	East:	0
North:	5270575	North:	0	North:	0
Elev.:	398	Elev.:	0	Elev.:	0

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
164.00	358.50	-43.30	0	0	0	55611.3	MS	☑	
167.00	358.30	-43.40	0	0	0	55634.9	MS	☑	
170.00	358.80	-43.20	0	0	0	55595.3	MS	☑	
173.00	358.50	-43.40	0	0	0	55600.2	MS	☑	
176.00	358.60	-43.40	0	0	0	55692.8	MS	☑	
179.00	358.90	-43.00	0	0	0	55681.2	MS	☑	
182.00	359.00	-42.90	0	0	0	55662.5	MS	☑	
185.00	358.90	-43.20	0	0	0	55714.7	MS	☑	
188.00	359.10	-43.10	0	0	0	55726.3	MS	☑	
191.00	359.20	-42.80	0	0	0	55717.3	MS	☑	
194.00	359.60	-42.70	0	0	0	55630.6	MS	☑	
200.00	359.40	-43.00	0	0	0	55723.2	MS	☑	
203.00	359.70	-42.60	0	0	0	55768.3	MS	☑	
206.00	359.80	-42.80	0	0	0	55768.5	MS	☑	
209.00	359.80	-42.50	0	0	0	55752.3	MS	☑	
212.00	359.90	-42.70	0	0	0	55744.7	MS	☑	

Hole Number: **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other	
Azimuth:	356	Length:	21	Dimension:	NQ	Claim No.:	4249463	Company:	IAMGOLD
Dip:	-46	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois
Length:	224	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach
Started:	23-Nov-15	Cemented:	no	Hole Type	DDH	Section:	110+00E	Surveyed:	
Completed:	25-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:	
Logged:	01-Dec-15	Making water:	yes	Relog by:		NAD:	NAD83	Multi shot su	yes
Township:	ST.LOUIS	Plugged:	no						

Target: IP Chargeability High/Resistivity Low

Comment: Targets - IP chargeability high & coincidental low resistivity zone in a strong linear magnetic low with FW RDZ anastomosing shears and quartz-carbonate vein structures

Observations / Conclusions:

- Several graphitic units from 75.3 to 124.7 in argillaceous units have been intersected and are up to 3.7 m wide with local 5% to 10% pyrite – correlate with strong IP chargeability and low resistivity.
- Fractured arenaceous sequence up 10m wide with numerous quartz-carbonate veining; highlighted by two (2) quartz stockwork structures up to 1.2m wide and up to 5% to 10% disseminated py-po-

Coordinate - Gemcom		Coordinate - UTM		Coordinate - Local	
East:	441000	East:	0	East:	0
North:	5270575	North:	0	North:	0
Elev.:	398	Elev.:	0	Elev.:	0

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
215.00	0.10	-42.70	0	0	0	55756.8	MS	<input checked="" type="checkbox"/>	
218.00	359.90	-42.40	0	0	0	55773.7	MS	<input checked="" type="checkbox"/>	
221.00	359.90	-42.30	0	0	0	55856	MS	<input checked="" type="checkbox"/>	
224.00	0.20	-42.40	0	0	0	55833.2	MS	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	20.00	Overburden OB Overburden Overburden - numerous boulders and silty/sandy soil	4	4	BR									
20.00	22.80	Fresh Rock 2G Mafic Pillow Flow Carbonate Altered and Sheared Mafic Pillow Flow - dirty brownish gray with strong hem from 20.0 to 21.4 and light dirty gray fresh color, altered mafic composition with strong carbonate (calcite) along shear bands and planes, weak to moderate sericite, strongly sheared pillow texture ranging from 55 to 60 from C.A., <1% qcs/qs, < 1% py. Contact - sharp contact irregular contact 45 from C.A. with quartz-carbonate veinlet	2	2	GY	344001	21.80	22.30	0.50	<0	-	<0.01	-	-
						344002	22.30	22.80	0.50	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity		Comment									
		20.00 - 22.80	CB PV 3		Carbonatization, Pervasive, Moderate									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
		20.00 - 22.80	Py BLB 1		Pyrite, Blebs, <1%									

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
22.80	27.25	Fresh Rock	QTCS	Quartz-(Carbonate) Stockwork	1	1	GG							
		W												
		Quartz-Carbonate Stockwork - grayish green to light green color, altered mafic composition with variable moderate to strong carbonate alteration as interstitial pillow up to 3 cm forming as bands, strongly sheared 45 to 75 from C.A. with poorly developed relict pillow texture; strongly fractured with 20% qcs/qcv ranging from 2cm to 14 cm wide; qcs/qcv vary from 42 to 75 from C.A.; < 1% py.												
		Contact - sharp contact 45 from C.A.												
		Alteration Maj:	Type/Style/Intensity	Comment										
		22.80 - 27.25	CB PV 4	Carbonatization, Pervasive, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		22.80 - 27.25	Py BLB 1	Pyrite, Blebs, <1%										
27.25	62.25	Fresh Rock	2G	Mafic Pillow Flow	1	1	GR							
		Carbonate Altered and Sheared Mafic Pillow Flow - green to light green color, mafic composition being moderate carbonate (calcite) with strong carbonate from 38.4 to 62.25 with numerous carbonate altered or calcareous bands up to 5 cm in width; increase in vfg to fg white leucoxene xtls (5% to 25%) from 48.3 to 58.1, strongly sheared ranging 45 to 69 from C.A. (average of 55 from C.A.), scattered quartz-carbonate stringers and veinlets up to 15 cm wide and range from < 1% to locally 40% over 0.5 m wide; occasional py (<1%).												
		Contact - gradational												
		Alteration Maj:	Type/Style/Intensity	Comment										
		27.25 - 38.40	CB PV 4	Carbonatization, Pervasive, Strong										
		38.40 - 62.25	CB PV 4	Carbonatization, Pervasive, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		27.25 - 62.25	Py BLB 1	Pyrite, Blebs, <1%										

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
						344025	41.90	42.50	0.60	0	-	0.01	-	-
						344026	42.50	43.50	1.00	0	-	0.01	-	-
62.25	72.00	Fresh Rock 6E Argillite-Mafic Volcaniclastic (Greywack	1	1	BR	344027	64.50	65.00	0.50	<0	-	<0.01	-	-
		Interbedded Argillite/Mafic Volcaniclastic (Greywacke) - dirty grayish brown to brownish gray color, intermediate composition (qtz-fd-mus-ser-cb) with numerous strong carbonate (calcite) along shear planes and variable weak to moderate pervasive cb in matrix; strongly graphitic from 69.8 to 69.9; well laminated and banded varying 37 to 55 from C.A. (average is 48) with shearing parallel to banding, local flexures within bands, occasional to scattered qcs up to 5 cm wide forming as thin stringers and lenses generally < 1% to 5% qcs with local 20% to 25% qcs near gf zone, generally occasional <1% py with increased sulphides with 2% to 3% disseminated sh py associated with graphitic section and 20% to 25% qcs from 69.8 to 69.9				344028	65.00	65.50	0.50	<0	-	<0.01	-	-
						344029	65.50	66.00	0.50	<0	-	<0.01	-	-
						344030	66.00	66.50	0.50	<0	-	<0.01	-	-
						344031	66.50	67.50	1.00	<0	-	<0.01	-	-
						344032	67.50	68.15	0.65	<0	-	<0.01	<0.01	-
						344033	68.15	68.85	0.70	<0	-	<0.01	-	-
		Contact - gradational				344034	68.85	69.60	0.75	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment		344035	69.60	69.90	0.30	<0	-	<0.01	-	-
		62.25 - 72.00	CB PV 4	Carbonatization, Pervasive, Strong		344037	69.90	70.40	0.50	<0	-	<0.01	-	-
		Mineralization Maj. :	Type/Style/%Mineral	Comment		344038	70.40	71.00	0.60	<0	-	<0.01	-	-
		62.25 - 69.80	Py BLB 1	Pyrite, Blebs, 1%		344039	71.00	71.50	0.50	<0	-	<0.01	-	-
		69.80 - 69.90	Py DIS 2.5	Pyrite, Disseminated, 2% to 3% with gf		344040	71.50	72.00	0.50	<0	-	<0.01	-	-
		69.90 - 72.00	Py BLB 1	Pyrite, Blebs, <1%										

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-06**Project: **BENNEWEIS**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
72.00	87.20	Fresh Rock 2G Mafic Pillow Flows to Massive Flows	1	1	LGR	344041	72.00	72.50	0.50	<0	-	<0.01	-	-
		Mafic Pillow to Massive Flows - light green, green, to dark greenish gray color, mafic composition with moderate to strong pervasive cb of matrix and interstices of pillow matrix; gradational increase in weak sil from 79.6 to 87.2 associated with chert interflow hyaloclastite and numerous qs fractures; gradational pillow to massive texture from 70.0 to 87.2 with mod to strongly sh pillow texture; interstitial selavages vary from 40 to 80 from C.A.(average of 54); gradual increase in qs from 79.6 to 87.2 with 10% to 15% qs (up to 4 cm wide) with associated sil, local parasitic folds with axial planar flexures 75 to 87 from C.A.; barren to occaional bleb of py < 0.5%.				344042	72.50	73.50	1.00	<0	-	<0.01	-	-
						344043	79.00	79.55	0.55	<0	-	<0.01	-	-
						344044	79.55	80.00	0.45	<0	-	<0.01	-	-
						344045	80.00	81.00	1.00	<0	-	<0.01	-	-
						344046	81.00	81.50	0.50	<0	-	<0.01	-	-
		Contact - sharp folded/crenulated/buckled contact 82 from C.A.				344047	81.50	82.00	0.50	<0	-	<0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment				344049	82.00	83.00	1.00	<0	-	<0.01	-	-
		72.00 - 79.60 CB MX 4 Carbonatization, Matrix, Strong				344050	83.00	84.00	1.00	<0	-	<0.01	-	-
		79.60 - 87.20 SI MX 2 Silicification, Matrix, Weak				344051	84.00	85.00	1.00	<0	-	<0.01	-	-
		79.60 - 87.20 CB MX 3 Carbonatization, Matrix, Moderate				344052	85.00	86.00	1.00	<0	-	<0.01	-	-
		Mineralization Maj. : Type/Style/%Mineral Comment				344053	86.00	87.20	1.20	<0	-	<0.01	-	-
		72.00 - 87.20 Py BLB 1 Pyrite, Blebs, <1%												
87.20	91.20	Fresh Rock 6E Interbedded Graphitic Argillite and Argil	1	1	BLK	344054	87.20	88.00	0.80	<0	-	<0.01	-	-
		Interbedded Graphitic Argillite and Argillite - black and brownish-beige colors, argillaceous composition with moderate to strong ser-mus and strong pervasive cb of matrix and in fractures, strong graphitic section from 87.2 to 88.65, 89.4 to 89.7, and from 90.8 to 91.20, alternating graphitic (55%) and non-graphitic (45%) beds/bands; relict contorted and folded bnds/beds with sharp contacts between gf argillite and argillite 40 to 80 from C.A., numerous flexures and contortions of bnds/beds with axial planar folds 30 from C.A.; overall < 1% py-asy with increased local py in more gf-rich sections with < 1% to 5% py with possible aspy associated with qcs at lower contact.				344055	88.00	88.65	0.65	<0	-	<0.01	-	-
						344056	88.65	89.40	0.75	<0	-	<0.01	-	-
						344057	89.40	89.70	0.30	<0	-	<0.01	-	-
						344058	89.70	90.25	0.55	<0	-	<0.01	-	-
						344059	90.25	90.80	0.55	<0	-	<0.01	-	-
		Contact - sharp 42 from C.A.				344061	90.80	91.20	0.40	<0	-	<0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												

LITHOLOGY REPORT
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Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
	87.20 - 91.20	CB PV 4	Carbonatization, Pervasive, Strong and also in fractures									
	87.20 - 91.20	SR MX 3	Sericitization, Matrix, Moderate									
	Mineralization Maj. :	Type/Style/%Mineral	Comment									
	87.20 - 91.20	Py DIS 3	Pyrite, Disseminated, <1% to 5% py with increased py at LC									
91.20	95.10	Fresh Rock 6E Argillite										
		Argillite - brownish beige, dark gray, and dirty greenish beige colors, argillaceous composition with strong ser-mus composition with strong pervasive cb and also in fractures, weakly gf near upper contact; well developed laminated texture 50 to 60 from C.A., < 1% to 5% qcs parallel to lam/sh with gradual increase in sh from 93.0 to 95.1 parallel to lam, upper contact has 10% to 15% qcs parallel to sh from 91.3 to 91.45 60 from C.A. with local tourmaline; occasional py bleb (<0.5%).	1 1 BR	344062	91.20	91.45	0.25	<0	-	<0.01	-	-
				344063	91.45	92.00	0.55	<0	-	<0.01	-	-
				344064	92.00	92.80	0.80	<0	-	<0.01	-	-
				344065	92.80	93.80	1.00	<0	-	<0.01	-	-
				344066	93.80	95.10	1.30	<0	-	<0.01	-	-
		Contact - sharp contact 50 from C.A.										
		Alteration Maj:	Type/Style/Intensity	Comment								
	91.20 - 95.10	CB MX 4	Carbonatization, Matrix, Strong									
	91.20 - 95.10	SR MX 3	Sericitization, Matrix, Moderate									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	91.20 - 95.10	Py BLB 1	Pyrite, Blebs, <1%									
95.10	98.55	Fresh Rock 2G Mafic Pillow Flow										
		Mafic Pillow Flow - light green to green color, mafic composition with mod chl regional alteration and wk-mod cb (calcite, selvages and pillow matrix composed of qtz-cb-chl; strongly sheared pillow texture 50 to 60 from C.A. with thin selvages up to 0.5 cm wide, pillows vary < 5 cm to 15 cm wide forming banded texture, < 1% qcs; barren to < 0.5% py.	1 1 GR	344067	95.10	96.00	0.90	<0	-	<0.01	<0.01	-

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)				
Contact - sharp contact 60 from C.A.																
		Alteration Maj:	Type/Style/Intensity	Comment												
95.10 - 98.55		CB	MX 2	Carbonatization, Matrix, Weak												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
95.10 - 98.55		Py	BLB 1	Pyrite, Blebs, <1%												
98.55	105.90	Fresh Rock	2G	Reworked Mafic Pillow Flow	1	1	BR	344068	100.50	101.00	0.50	<0	-	<0.01	-	-
		Reworked, Dirty Mafic Pillow Flow - dirty brownish gray and grayish/greenish brown colors, mafic composition with moderate ser-mus-cb alteration of pillows with pillow interstices matrix consisting of qtz-cb with numerous cb-rich interstitial bnds; strongly sh and poorly developed pillow texture with pillows 2 cm to 7cm wide, sh 47 to 55 from C.A., scattered qcs up to 1% with local 15% to 20% qcs (up to 6 cm wide) from 101.0 to 102.05....qcs 35 to 45 from C.A.; barren to occasional py < 0.5%.														
		Contact - sharp/gradational contact														
		Alteration Maj:	Type/Style/Intensity	Comment												
98.55 - 105.90		SR	MX 3	Sericitization, Matrix, Moderate												
98.55 - 105.90		CB	MX 3	Carbonatization, Matrix, Moderate												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
98.55 - 105.90		Py	BLB 1	Pyrite, Blebs, <1%												
105.90	110.20	Fresh Rock	2G	Mafic Pillow Flow	1	1	GR									
		Mafic Pillow Flow - rich green color, mafic composition with wk-mod chl (Fe-rich) regional metamorphism with mod to strong cb in more chl-cb pillow hyaloclastic interstices; strongly sheared 45 to 50 from C.A. pillow texture giving banded appearance, pillows up to 10 cm wide and tightly packed, occasional < 1%														

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Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)				
qcs: barren to < 0.5% py.																
Contact - sharp/gradationally more reworked and dirty-looking appearance																
		Alteration Maj:	Type/Style/Intensity	Comment												
105.90 - 110.20		CB	IS 3	Carbonatization, Interstitial, Moderate pillow interstices												
105.90 - 110.20		CL	MX 2	Chloritization, Matrix, Weak regional												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
105.90 - 110.20		Py	BLB 1	Pyrite, Blebs, <1%												
110.20	114.70	Fresh Rock	2G	Intercalated Mafic Pillow Flow/Volcanicl	1	1	BR	344071	110.90	111.40	0.50	<0	-	<0.01	-	-
Intercalated Dirty Mafic Pillow Flow.Volcaniclastic (minor Graphitic Argillite) - dirty brownish green/grayish brown, and black colors, altered mafic composition with strong cb (calcite) in matrix and as thin pillow interstices forming banded texture, cb also forms as fracture-filling, dirty mafic composition with ser-mus-rich matrix (reworked); reworked pillow texture with poorly developed pillows, strongly sh 45 to 50 from C.A., up to 1% to local 30% qcs (up to 9 cm wide) with overall 5% to 8% qcs parallel to sh; occas								344073	111.40	111.70	0.30	<0	-	<0.01	-	-
								344074	111.70	112.70	1.00	<0	-	<0.01	-	-
								344075	112.70	113.00	0.30	0	-	0.01	-	-
								344076	113.00	113.50	0.50	<0	-	<0.01	-	-
ional py < 1% with increased sh disseminated py (3% to 5%) from 112.75 to 112.95.								344077	113.50	114.50	1.00	<0	-	<0.01	-	-
Contact - gradational																
		Alteration Maj:	Type/Style/Intensity	Comment												
110.20 - 114.70		CB	MX 4	Carbonatization, Matrix, Strong as pillow interstices and fractures												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
110.20 - 114.70		Py	BLB 1	Pyrite, Blebs <1%												

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Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)	
114.70	124.75	Fresh Rock 2L Mafic Volcaniclastic/Greywacke (minor) Interbedded Mafic Volcaniclastic/Greywacke (minor Mafic Pillow Flow) - dirty greenish-gray to grayish green colors, mafic composition with dirty ser-mus-rich matrix, moderate to strong cb altered matrix and frequent to numerous cb-rich pillow selvages; strong sheared bnded/laminated texture 35 to 45 from C.A. with 35 to 40 from C.A. near upper contact; strongly sheared 40 to 50 from C.A., scattered < 1% to local 5% qcs parallel to sh/lam; barren to < 0.5% py. Contact - sharp contact 50 from C.A.	1	1	GG										
		Alteration Maj:	Type/Style/Intensity		Comment										
		114.70 - 124.75	CB	MX	4	Carbonatization, Matrix, Strong and as pillow interstices bnds									
		114.70 - 124.75	SR	MX	3	Sericitization, Matrix, Moderate									
		Mineralization Maj. :	Type/Style/%Mineral		Comment										
		114.70 - 124.75	Py	BLB	1	Pyrite, Blebs, <1%									
124.75	130.20	Fresh Rock 2G Mafic Pillow Flow Mafic Pillow Flow - similar to section from 105.9 to 110.2 with..... 1) well developed pillow texture - tightly packed 2) strongly sheared 45 to 50 from C.A. Contact - gradationally more dirty and reworked	1	1	GR										
		Alteration Maj:	Type/Style/Intensity		Comment										
		124.75 - 130.20	CB	MX	3	Carbonatization, Matrix, Moderate to Strong in pillow interstices, matrix, fractures									
		124.75 - 130.20	CL	MX	2	Chloritization, Matrix, Weak Regional									
		Mineralization Maj. :	Type/Style/%Mineral		Comment										
		124.75 - 130.20	Py	BLB	1	Pyrite, Blebs, <1%									

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Hole Number **BEN15-06**

Project: **BENNEWEIS**

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
130.20	138.15	Fresh Rock 2G Reworked Mafic Pillow Flow/Pillow Breccia	1	1	BR									
<p>Reworked Mafic Pillow Flow/Pillow Breccia and Volcaniclastics - dirty brownish green and grayish green colors, mafic composition with mod ser-mus matrix and strong pervasive cb, numerous reworked cb-rich pillow interstices (10% to 25%) up to 3 cm wide; pillow bx to pillow texture with pillows up to 1 cm to 10cm wide...strongly sh, packed, and attenuated, strongly sh 47 to 55 from C.A., occasional qcs < 1% to 3%; barren to occasional py < 0.5%.</p> <p>Contact - sharp/gradational contact</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>130.20 - 138.15 CB PV 4 Carbonatization, Pervasive, Strong</p> <p>130.20 - 138.15 SR MX 3 Sericitization, Matrix, Moderate</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment</p> <p>130.20 - 138.15 Py BLB 1 Pyrite, Blebs, <1%</p>														
138.15	180.10	Fresh Rock 2G Mafic Pillow Flow (Massive Flow)	1	1	GR	344078	161.40	161.80	0.40	<0	-	<0.01	<0.01	-
<p>Mafic Pillow-(Massive) Flows - green to greenish black color, mafic composition with both Fe and Mg-rich varieties with Mg-rich from 138.5 to 142.5, generally moderate to strong cb (calcite) with locally weak cb from 160.6, carbonate-rich along pillow selvages and interstices; well developed pillow texture with both chl-cb and cb-qtz-rich selvages and interstices, strongly sheared 45 to 57 from C.A. (average is 50.3 from C.A.), scattered qcs < 1 to 2 cm wide and ranging < 1% to locally 2% to 3%; barren to occasional py < 0.5%.</p> <p>Contact - gradationally more reworked into clastic metasediments</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>138.15 - 180.10 CB IS 3 Carbonatization, Interstitial, Moderate to Strong as Pillow Interstices</p>														

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Hole Number **BEN15-06**Project: **BENNEWEIS**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		138.15 - 180.10	Py DIS 2	Pyrite, Disseminated, <1% to 2% to 3% local py										
180.10	185.50	Fresh Rock	6E	Banded/Bedded Argillite/Arenite	1	1	BE							
		Banded/Bedded Argillite/Arenite - beige brown, dirty beige gray, and grayish-white, to white color, alternating argillaceous (mus-ser) and siliceous to intermediate (quartz-feldspathic) bands, weak to locally moderate cb; well banded/bedded texture being highly contorted and folded varying 45 to 60 from C.A. with axial planar (fold axis) ranging 50 to 70 from C.A., several nose folds in the form of interference fold patterns throughout the sections, occasional to scattered qcs (1% to 2%) with local 25% qcs (up to 6 cm wide) from 183.6 to 183.9 20 from C.A.; generally occasional py < 1% with increased 1% to 3% vfg diss. (local fractures) py with possible po-asy from 182.0 to 182.5...sulphides are very fine-grained.												
		Contact - sharp contact												
		Alteration Maj:	Type/Style/Intensity	Comment										
		180.10 - 185.50	SR MX 3	Sericitization, Matrix, Moderate										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		180.10 - 182.00	Py BLB 1	Pyrite, Blebs,<1%										
		182.00 - 182.50	Py DIS 2	Pyrite, Disseminated, up to 1%-3% py as local fracture-filling										
185.50	186.25	Fresh Rock	QTS	Quartz Stockwork/Vein	1	1	BE							
			W	Quartz Stockwork-(Vein) - beige brown, beige, and white color, mod to strong silicified overprint of ser-mus-argillaceous matrix of wallrock, wk to moderate cb; disrupted bnding/bedding 50 from C.A., overall section has 30% qcs qcs/qcv highlighted by qv from 185.6 to 185.75 50 from C.A. at upper										

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)			
contact.....numerous sil wallrock inclusions in qv; occasional py < 1%.																	
Contact - sharp and irregular																	
		Alteration Maj:	Type/Style/Intensity			Comment											
185.50 - 186.25		SR	MX	3	Sericitization, Matrix, Moderate												
185.50 - 186.25		SI	MX	3	Silicification, Matrix, Moderate to Strong Overprint												
		Mineralization Maj. :	Type/Style/%Mineral			Comment											
185.50 - 186.25		Py	BLB	1	Pyrite, Blebs, <1%												
186.25	190.05	Fresh Rock	6E	Argillite (Minor Arenite)		1	1	BE	344093	186.25	187.10	0.85	0	-	0.01	-	-
		Argillite (Minor Arenite) - beige brown and dirty brownish-gray color, argillaceous composition with minor siliceous bands/lam, moderate to strong cb-rich bands; well banded/laminated texture (45 to 55 from C.A.), generally <1% qcs/qs with increased veining from 186.25 to 187.5 averaging 10% qcs/qs parallel to sh/bnds/lam; occasional < 1% py with local 1% to 2% py at 187.1.															
		Contact - sharp 55 from C.A. and gradational															
		Alteration Maj:	Type/Style/Intensity			Comment											
186.25 - 190.05		CB	BNDS	4	Carbonatization, Bands/Banded, Strong												
186.25 - 190.05		SR	MX	3	Sericitization, Matrix, Moderate												
		Mineralization Maj. :	Type/Style/%Mineral			Comment											
186.25 - 190.05		Py	BLB	1	Pyrite, Blebs, <1% with 1% to 2% py at 187.1												
		Contact - sharp 55 from C.A. and gradational															

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
190.05	194.45	Fresh Rock 2G Reworked Mafic Pillow Flow/Volcanicla Reworked Mafic Pillow Flow/Volcaniclastics - dirty brownish gray and green color, altered and reworked mafic composition with strong pervasive and interstitial cb (calcite) with frequent to numerous cb-rich hyaloclastic up to 3 cm wide; poorly developed pillow texture with upper interval being more of a pillow bx with cb rich interstitial (up to 3 cm wide) about fragmented pillows; strongly sh 50 from C.A.; occasional < 1% py. Contact - sharp contact 50 from C.A.	1	1	BR	344099	190.05	190.60	0.55	<0	-	<0.01	-	-
						344100	190.60	191.60	1.00	<0	-	<0.01	-	-
						344101	191.60	192.60	1.00	<0	-	<0.01	-	-
						344102	192.60	193.60	1.00	<0	-	<0.01	-	-
						344103	193.60	194.45	0.85	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
		190.05 - 194.45	CB IS 4	Carbonatization, Interstitial, Strong as well as pervasive										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		190.05 - 194.45	Py BLB 1	Pyrite, Blebs, <1%										
194.45	196.45	Fresh Rock QTS Quartz Stockwork (Argillite Host xcut b W Quartz Stockwork (Argillite Host xcut by Diabase) - beige green/gray, black, and white colors, wallrock is argillaceous composed of moderate to strong ser-mus with an overall strong cb (calcite) overprint, cb also occurs alteration of matrix/local bnds and in fractures 195.7 to 196.0 - Diabase - black color, mafic composition, vfg and msv, up to 1% mag being wk magnetic, sharp upper 50 from C.A and lower contact at 47 from C.A. - relict banding/shearing 50 to 60 from C.A., numerous qcs/qv up to 40 cm wide at upper contact from 194.45 to 194.85 (upper contact 52 from C.A. and 50 from C.A. at lower contact), veining varies from 5% to 95% (see sample descriptions). Mineralization - <1% to 10% sulphides with 5% py, 1%-3% aspy, and 2% po from 194.45 to 194.85 in QV with remaining section up to 1% patchy py Contact - gradational contact	1	1	BE	344104	194.45	194.85	0.40	0	-	0.01	-	-
						344105	194.85	195.25	0.40	<0	-	<0.01	<0.01	-
						344106	195.25	195.70	0.45	0	-	0.01	-	-
						344107	195.70	196.00	0.30	<0	-	<0.01	-	-
						344109	196.00	196.45	0.45	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
		194.45 - 196.45	SR MX 3	Sericitization, Matrix, Moderate										

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<i>From (m)</i>	<i>To (m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppm)</i>	<i>AV Au (ppm)</i>	<i>FA Au (ppm)</i>	<i>FA2 Au (ppm)</i>	<i>FA3 Au (ppm)</i>
	194.45 - 196.45	CB MX 4	Carbonatization, Matrix, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	194.45 - 194.85	Po FAC 2	Pyrrhotite, Fracture-controlled, 2%									
	194.45 - 194.85	Aspy FAC 2	Arsenopyrite, Fracture-controlled, 1% to 3%									
	194.45 - 194.85	Py FAC 5	Pyrite, Fracture-controlled, 5% as well as diss.									
	194.85 - 196.45	Py DIS 1	Pyrite, Disseminated, 1%									
196.45	199.05	Fresh Rock 2L Mafic Volcaniclastic/Argillite	1 1 BE	344110	196.45	197.00	0.55	<0	-	<0.01	-	-
		Mafic Volcaniclastic/Argillite - beige greenish gray color, mafic composition being argillaceous with mod ser-mus with strong pervasive cb, numerous cb-rich bnds at upper contact; banded and sheared 50 to 60 from C.A.parallel to sh, local parasitic drag folds at 198.7, < 1% to 4% scattered qcs with 2% to 4% qcs from 196.45 to 197.0. occasional py < 1%.		344111	197.00	198.00	1.00	<0	-	<0.01	-	-
		Contact - gradational		344112	198.00	199.05	1.05	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment								
	196.45 - 199.05	SR MX 3	Sericitization, Matrix, Moderate									
	196.45 - 199.05	CB PV 4	Carbonatization, Pervasive, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	196.45 - 199.05	Py DIS 1	Pyrite, Disseminated, <1%									
199.05	224.00	Fresh Rock 2G Mafic Pillow Flow	1 1 GG	344113	202.80	203.30	0.50	<0	-	<0.01	-	-
		Mafic Pillow Flow - grsayish-green to green color, mafic composition with strong cb from 199.05 to 210.1 with increased epidote in selvages and fractures from 212.0 to 224.0, strong cb associated with increase sh and fractures; strongly sh 48 to 55 from C.A.(average is 50.8 from C.A.),pillow texture being locally msv, poorly developed pillows with chl-cb-ep-qtz selvages with pillows being tightly packed, scattered qcs up to 2% to 3% and up to 8 cm wide. Barren to occassional py < 0.5%		344114	203.30	203.80	0.50	<0	-	<0.01	-	-
				344115	203.80	204.30	0.50	<0	-	<0.01	-	-

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		Alteration Maj:	Type/Style/Intensity									
199.05	212.00	EP FRC 4						Epidotization, Along Fractures, Strong as well as pillow interstices				
199.05	212.00	CB PV 4						Carbonatization, Pervasive, Strong				
		Mineralization Maj. :	Type/Style/%Mineral									
199.05	224.00	Py BLB 1						Pyrite, Blebs, <1%				

SAMPLE DESCRIPTION REPORT

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21.80	22.30	0.50	344001	Mafic Pillow Flow - strong per cb and sh, < 1% py
22.30	22.80	0.50	344002	Mafic Pillow Flow - strong per cb and sh, < 1% py
22.80	23.30	0.50	344003	QTCSW - mod cb & sh, strongly fract with 45% qcv, < 1% py
23.30	23.80	0.50	344004	QTCSW - strong cb & SH, wk fract with 10% TO 15% qcs, < 1% py
23.80	24.30	0.50	344005	QTCSW - STRONG CB & sh, WK FRACT WITH 10% QCS, < 1% py
24.30	24.80	0.50	344006	QTCSW - strong cb along sh, 15% qcs, < 1% py
24.80	25.30	0.50	344007	QTCSW - mod to strong cb/sh, 20% qcs, < 1% py
25.30	25.80	0.50	344008	Mafic Pillow Flow - strong bnd cbm < 1% qcs, <1% py
25.80	26.30	0.50	344009	QTCSW - wk cb with 38% qcs/qcv 9strong fract), < 1% py
26.30	26.80	0.50	344010	QTCSW - WK TO LOCALLY MOd; 20% QCS; < 1% PY
26.80	27.25	0.45	344011	QTCSW - strong per cb, 20% qcs, < 1% py
27.25	28.00	0.75	344013	Mafic Pillow Flow - strong cb and sh; 5% qcs/qcv, < 1% py
28.00	29.00	1.00	344014	Mafic Pillow Flow - strong per cb, 2%-3% qcs, < 1% py
36.40	36.90	0.50	344015	Mafic Pillow Flow - strongly cb and sh/banded sh, 15 to 2% qscs, < 1% py
36.90	37.40	0.50	344016	Mafic Pillow Flow - mod to strong cb and sh, 10% to 15% qcs, < 1% py
37.40	37.90	0.50	344017	QCV/Mafic Pillow Flow - 60% wr and 40% qcv up to 14 cm, strong cb wr, chl incl in vn , < 1% py
37.90	38.40	0.50	344018	Mafic Pillow Flow - strong cb along sh interstitial, 2% to 3% qcs, < 1% py
38.40	39.40	1.00	344019	Mafic Pillow Flow - numerous & strong cb bnds interstitial, strongly sh, <1%-5% qcs, < 1% py
39.40	40.40	1.00	344020	MAFIC PILLOW FLOW - NUMEROUS & STRONG CB BNDS INTERSTITIAL, STRONGLY SH, <1%-5% QCS, < 1% PY
40.40	40.80	0.40	344021	MAFIC PILLOW FLOW - NUMEROUS & STRONG CB BNDS INTERSTITIAL, STRONGLY SH, <1%-5% QCS, < 1% PY
40.80	41.40	0.60	344022	Mafic Pillow Flow - strong cb bnds interstitial and sh, wk fractured 5% to 10% qcs, < 1% py
41.40	41.90	0.50	344023	MAFIC PILLOW FLOW - NUMEROUS & STRONG CB BNDS INTERSTITIAL, STRONGLY SH, <1%-5% QCS, < 1% PY
41.90	42.50	0.60	344025	MAFIC PILLOW FLOW - NUMEROUS & STRONG CB BNDS INTERSTITIAL, STRONGLY SH, 5%-7% QCS, < 1% PY
42.50	43.50	1.00	344026	MAFIC PILLOW FLOW - NUMEROUS & STRONG CB BNDS INTERSTITIAL, STRONGLY SH, <1%-5% QCS, < 1% PY
64.50	65.00	0.50	344027	Greywacke/Argillite - intermediate comp., strong cb, lam, <1% qs, < 1% py
65.00	65.50	0.50	344028	Greywacke/Argillite - mod pervasive cb along sh, 2% to 3% qcs, lam/bd, 2%-3% qcs, < 1% py

SAMPLE DESCRIPTION REPORT

- Assay -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
65.50	66.00	0.50	344029	Greywacke/Argillite - mod to strong pervasive cb along sh, 10% qcs, < 1% py,
66.00	66.50	0.50	344030	Greywacke/Argillite - strong cb along sh with 5% to 10% qcs parallel to sh, <1% py
66.50	67.50	1.00	344031	Greywack/Argillite - mod to strong pervasive cb along sh, <1% qcs and py
67.50	68.15	0.65	344032	Argillite/Greywacke - wk ser and strong cb bnds & along sh, 25 to 3% qcs, < 1% py
68.15	68.85	0.70	344033	Argillite/Greywacke - mod ser-mus and strong cb in matrix and as bnds, 1% to 2% qcs, < 1% py
68.85	69.60	0.75	344034	Argillite/Grywacke - argillaceous composition with mod ser and strong cb, bnded/sh with 2%-3% qcs parallel to sh, < 1% py
69.60	69.90	0.30	344035	Argillite/Greywacke - wk ser argillaceous composition with strong cb, strongly sh and fractured with 20% to 25% qcs, 2% to 3% py associated with gf and < 1% aspy?
69.90	70.40	0.50	344037	Argillite/Greywacke - wk ser argillaceous composition with strong pervasive cb, numerous cb bnds, 5% qcs, < 1% py
70.40	71.00	0.60	344038	Greywacke - intermediate composition with strong cb in interstitial pillow selvages, strongly sh, < 5% qcs, < 1% py
71.00	71.50	0.50	344039	Greywacke - intermediate composition with strong cb in interstitial pillow selvages, strongly sh, < 2%-3% qcs, < 1% py
71.50	72.00	0.50	344040	Greywacke - intermediate composition with strong cb in interstitial pillow selvages, strongly sh, < 1%-2% qcs, < 1% py
72.00	72.50	0.50	344041	Mafic Pillow Flow - mafic composition with strong cb in interstitial pillow selvages, strongly sh, 2%-3% qcs, < 1% py
72.50	73.50	1.00	344042	Mafic Pillow Flow - mafic composition with strong cb in interstitial pillow selvages, strongly sh, < 2%-3% qcs, < 1% py
79.00	79.55	0.55	344043	Massive Mafic Flow - strong perv cb, < 1% qcs, < 1% py
79.55	80.00	0.45	344044	Massive Mafic Flow - strong perv cb, < 10% to 15% qcs, < 1% py
80.00	81.00	1.00	344045	Massive Mafic Flow - strong perv cb, < 1% qcs, < 1% py
81.00	81.50	0.50	344046	Massive Mafic Flow - strong perv cb, < 1% qcs, < 1% py
81.50	82.00	0.50	344047	Fractured Massive-Pillow Mafic Flow - strong perv and fract cb, 10% to 15% qcs/qs, < 1% py
82.00	83.00	1.00	344049	Fractured Massive-Pillow Mafic Flow - strong perv and fract cb, 15% qcs/qs, < 1% py
83.00	84.00	1.00	344050	FRACTURED MASSIVE-PILLOW MAFIC FLOW - STRONG PERV AND FRACT CB, 10% to 15% QCS/QS, < 1% PY
84.00	85.00	1.00	344051	FRACTURED MASSIVE-PILLOW MAFIC FLOW - STRONG PERV AND FRACT CB, 10% to 12% QCS/QS, < 1% PY
85.00	86.00	1.00	344052	FRACTURED MASSIVE-PILLOW MAFIC FLOW - STRONG PERV AND FRACT CB, 15% QCS/QS, < 1% PY
86.00	87.20	1.20	344053	FRACTURED MASSIVE-PILLOW MAFIC FLOW - STRONG PERV AND FRACT CB, 5% to 10% QCS/QS, < 1% PY
87.20	88.00	0.80	344054	Graphitic Argillite - strong pervasive gf and cb fract., folded and contorted bands/lam, up to 5% qcs, < 1% to 2% py
88.00	88.65	0.65	344055	Graphitic Argillite - strong gf in matrix and strong cb fractures, 10% qcs and up to 1% py
88.65	89.40	0.75	344056	Argillite - strong ser-mus and mod cb,5% to 10% qcs, < 1% py

SAMPLE DESCRIPTION REPORT

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89.40	89.70	0.30	344057	Graphitic Argillite - strongly gf and strong cb fractures, strong sh, <1% qcs, 5% py along sh
89.70	90.25	0.55	344058	Argillite - strong ser-mus with mod cb, strongly sh and <1% qcs, <1% py
90.25	90.80	0.55	344059	Argillite - strong ser-mus with mod cb, strongly sh and <1% qcs, <1% py
90.80	91.20	0.40	344061	Graphitic Argillite - mod gf and cb, strongly sh with 5% qcs along lower contact; < 1% to 5% py fracture-filling and associated aspy in vns at lower contact
91.20	91.45	0.25	344062	Fractured Argillite - strong cb fractures, 10% qcs with tour fract, < 1% py
91.45	92.00	0.55	344063	Argillite - strong per cb, laminated, up to 1% qcs, < 1% py
92.00	92.80	0.80	344064	Argillite - strong per cb, laminated, up to 1% qcs, < 1% py
92.80	93.80	1.00	344065	Sheared Argillite - strong pervasive sh controlled cb, strongly sh, 5% qcs parallel to sh, < 1% py
93.80	95.10	1.30	344066	Sheared Argillite - strong pervasive sh controlled cb, strongly sh, 5% qcs parallel to sh, < 1% py
95.10	96.00	0.90	344067	Mafic Pillow Flow - wk cb, strongly sh, < 1% qcs, < 1% py
100.50	101.00	0.50	344068	Mafic Pillow/Volcaniclastic - strong cb bnds with pillow interstitial, strongly sheared, <1% qcs, < 1% py
101.00	102.05	1.05	344069	Fractured Mafic Pillow Flow/Volcaniclastic - 15% to 20% qcs, strongly sh, < 1% py
102.05	103.00	0.95	344070	Mafic Pillow Flow/Volcaniclastic - strong cb bnds pillow interstitial; strongly sh, 5% qcs/qs, < 1% py
110.90	111.40	0.50	344071	Mafic Pillow Flow/Volcaniclastic - strong per cb in ser-mus-rich matrix and sh, up to 1% qcs, < 1% py
111.40	111.70	0.30	344073	Fractured Mafic Pillow Flow/Volcaniclastic - strong cb matrix and fractures; ser-mus-rich matrix, 30% qcs with 9 cm qcs, < 1% py
111.70	112.70	1.00	344074	Mafic Pillow Flow/Volcaniclastic - strong per cb in ser-mus-rich matrix and sh, 5% to 10% qcs, and < 1% py
112.70	113.00	0.30	344075	Graphitic Argillite - black color, strong gf, no cb with 20 cm gf unit in cb-altered mafic pillow flow; 5% qcs, 3% to 5% sh disseminated py-(po?)
113.00	113.50	0.50	344076	Mafic Pillow Flow/Volcaniclastic - strong per cb in ser-mus-rich matrix and sh, 1% to 5% qcs, and < 1% py
113.50	114.50	1.00	344077	Mafic Pillow Flow/Volcaniclastic - strong per cb in ser-mus-rich matrix and sh, 5% qcs, and < 1% py
161.40	161.80	0.40	344078	Massive to Pillow Mafic Flow - green color, mafic composition with wk-mod chl and no cb, msv in pillow sequence, < 1% qcs, < 1% py
179.10	180.10	1.00	344079	Mafic Pillow Flow - strong pervasive cb, strongly sh, < 1% qcs and py
180.10	180.80	0.70	344080	Argillite/Arenite - mod-strong mus-ser with strong cb bnds (5%), sh, 1% qcs, < 1% py
180.80	181.30	0.50	344081	Argillite/Arenite - mod-strong mus-ser with strong cb bnds (5%), sh, 1% qcs, up to 1% nodular-shaped py
181.30	182.00	0.70	344082	Argillite/Arenite - mod-strong mus-ser with weak cb, sh, 5% qcs, up to 1% py-(po-aspy)
182.00	182.50	0.50	344083	Argillite/Arenite - mod-strong mus-ser with weak cb, sh, up to 1% qcs, 1% to 3% py-(po-aspy)
182.50	183.00	0.50	344085	Argillite/Arenite - mod-strong mus-ser with strong cb bnds, sh, <1%-2% qcs, up to 1% py

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183.00	183.60	0.60	344086	Argillite/Arenite - mod-strong mus-ser with mod cb bnds, sh, up to 1% qcs, <1% py
183.60	183.90	0.30	344087	QTSW/Argillite/Arenite - mod-strong mus-ser with wk cb bnds, sh, 25% qcs, <1% py
183.90	184.50	0.60	344088	Argillite - mod-strong mus-ser with mod cb, sh, <1% to 2% qcs, up to 1% py
184.50	185.00	0.50	344089	Argillite - mod-strong mus-ser with mod cb, sh, <1% to 2% qcs, < 1% py
185.00	185.50	0.50	344090	Argillite - mod-strong mus-ser with mod cb, sh, <1% to 2% qcs, < 1% py
185.50	185.80	0.30	344091	QV/QTSW - 55% qv with 45% strong sil argillaceous wr, numerous diffuse wr inclusions, < 1% py
185.80	186.25	0.45	344092	QTSW - mod sil overprint on ser-mus argillaceous wr, mod cb, banded and fractured with 10% to 15% qcs, < 1% py
186.25	187.10	0.85	344093	Fractured Argillite - mod-strong ser-mus-rich matrix with mod-strong cb, 10% qcs, <1% to local 2% sh py along lower contact
187.10	187.50	0.40	344094	Fractured Argillite - mod-strong ser-mus-rich matrix with mod-strong cb, 10% qcs, <1% py
187.50	188.00	0.50	344095	Argillite - mod-strong ser-mus with mod cb, banded/sh, <1% qcs, < 1% py
188.00	189.00	1.00	344097	Argillite - mod-strong ser-mus with mod cb, banded/sh, <1% qcs, < 1% py
189.00	190.05	1.05	344098	Argillite - mod-strong ser-mus with wk cb, banded/sh, <1% qcs, < 1% py
190.05	190.60	0.55	344099	Reworked Mafic Pillow Flow/Volcaniclastic - mafic composition with wk-mod ser and strong cb, numerous cb bnds, mod/strong sh, <1% to 5% qcs, < 1% py
190.60	191.60	1.00	344100	Reworked Mafic Pillow Flow/Volcaniclastic - mafic composition with wk ser and strong cb, numerous cb bnds, mod/strong sh, <1% qcs, < 1% py
191.60	192.60	1.00	344101	Reworked Mafic Pillow Flow/Volcaniclastic - mafic composition with wk ser and strong cb, numerous cb bnds, mod/strong sh, 2%-3% qcs, < 1% py
192.60	193.60	1.00	344102	Reworked Mafic Pillow Flow/Volcaniclastic - mafic composition with wk ser and strong cb, mod/strong sh, <1% qcs, < 1% py
193.60	194.45	0.85	344103	Reworked Mafic Pillow Flow/Volcaniclastic - mafic composition with wk ser and strong cb, mod/strong sh, <1% qcs, < 1% py
194.45	194.85	0.40	344104	Quartz Vein - qtz comp being fractured with 5% py, 1%-3% aspy, and 2% po fractures/seams, numerous wr inclusions at contacts
194.85	195.25	0.40	344105	Weak Quartz Stockwork - ser-mus matrix with strong pervasive cb, 10% to 13% qcs, <1% py
195.25	195.70	0.45	344106	Weak Quartz Stockwork - ser-mus matrix with strong pervasive cb, 10% to 13% qcs, up to 1% py with 2% to 3# py in qcs at lower contact
195.70	196.00	0.30	344107	Diabase - mafic composition, vfg, msv, weakly magnetic
196.00	196.45	0.45	344109	Weak Quartz Stockwork - ser-mus argillaceous comp, strong cb, sh, 5% to 10% qcs parallel to sh, up to 1% py
196.45	197.00	0.55	344110	Mafic Volcaniclastic-(Argillite) - mod er with strong pervasive cb, 2% to 4% qcs, < 1% py
197.00	198.00	1.00	344111	Mafic Volcaniclastic - strong pervasive cb with wk ser, banded/sh, < 1% qcs and py
198.00	199.05	1.05	344112	Mafic Volcaniclastic - strong pervasive cb with wk ser, banded/sh, < 1% qcs and py
202.80	203.30	0.50	344113	Mafic Pillow Flow - strong pervasive cb, strong sh, < 1% qcs and py

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<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Comments</i>
<i>(m)</i>	<i>(m)</i>	<i>(m)</i>		
203.30	203.80	0.50	344114	Fractured Mafic Pillow Flow - strong pervasive cb, strongly sh, 30% qcs, < 1% py
203.80	204.30	0.50	344115	Mafic Pillow Flow - strong pervasive cb and sh, < 1% qcs and py

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-06**

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Assay Report (part 1 of 1)

<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i>	<i>AV</i>	<i>FA</i>	<i>FA2</i>	<i>FA3</i>	<i>FA4</i>	<i>FA5</i>	<i>SFA</i>	<i>SFA2</i>	<i>SFA3</i>	<i>GA</i>	<i>GA2</i>	<i>GA3</i>	<i>GA4</i>	<i>GA5</i>	<i>AR</i>	<i>AR2</i>	<i>AR3</i>	<i>Wt</i>
(m)	(m)	(m)					(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(kg)
21.80	22.30	0.50	344001	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.30	22.80	0.50	344002	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.80	23.30	0.50	344003	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.30	23.80	0.50	344004	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.80	24.30	0.50	344005	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.30	24.80	0.50	344006	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24.80	25.30	0.50	344007	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.30	25.80	0.50	344008	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.80	26.30	0.50	344009	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.30	26.80	0.50	344010	ActLabs	SU1501462A	07-Dec-15	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.80	27.25	0.45	344011	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.25	28.00	0.75	344013	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.00	29.00	1.00	344014	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.40	36.90	0.50	344015	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36.90	37.40	0.50	344016	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.40	37.90	0.50	344017	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.90	38.40	0.50	344018	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38.40	39.40	1.00	344019	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
39.40	40.40	1.00	344020	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.40	40.80	0.40	344021	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40.80	41.40	0.60	344022	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41.40	41.90	0.50	344023	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
41.90	42.50	0.60	344025	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.50	43.50	1.00	344026	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64.50	65.00	0.50	344027	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.00	65.50	0.50	344028	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
65.50	66.00	0.50	344029	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.00	66.50	0.50	344030	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.50	67.50	1.00	344031	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67.50	68.15	0.65	344032	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

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Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
68.15	68.85	0.70	344033	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68.85	69.60	0.75	344034	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69.60	69.90	0.30	344035	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69.90	70.40	0.50	344037	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
70.40	71.00	0.60	344038	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.00	71.50	0.50	344039	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71.50	72.00	0.50	344040	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.00	72.50	0.50	344041	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.50	73.50	1.00	344042	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79.00	79.55	0.55	344043	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79.55	80.00	0.45	344044	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80.00	81.00	1.00	344045	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81.00	81.50	0.50	344046	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
81.50	82.00	0.50	344047	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
82.00	83.00	1.00	344049	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
83.00	84.00	1.00	344050	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84.00	85.00	1.00	344051	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.00	86.00	1.00	344052	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86.00	87.20	1.20	344053	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87.20	88.00	0.80	344054	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.00	88.65	0.65	344055	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.65	89.40	0.75	344056	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.40	89.70	0.30	344057	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.70	90.25	0.55	344058	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.25	90.80	0.55	344059	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.80	91.20	0.40	344061	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.20	91.45	0.25	344062	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.45	92.00	0.55	344063	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.00	92.80	0.80	344064	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.80	93.80	1.00	344065	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
93.80	95.10	1.30	344066	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95.10	96.00	0.90	344067	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100.50	101.00	0.50	344068	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101.00	102.05	1.05	344069	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102.05	103.00	0.95	344070	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110.90	111.40	0.50	344071	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111.40	111.70	0.30	344073	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111.70	112.70	1.00	344074	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112.70	113.00	0.30	344075	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
113.00	113.50	0.50	344076	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
113.50	114.50	1.00	344077	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
161.40	161.80	0.40	344078	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
179.10	180.10	1.00	344079	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180.10	180.80	0.70	344080	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180.80	181.30	0.50	344081	ActLabs	SU1501462A	07-Dec-15	0	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
181.30	182.00	0.70	344082	ActLabs	SU1501462A	07-Dec-15	0	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
182.00	182.50	0.50	344083	ActLabs	SU1501462A	07-Dec-15	0	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
182.50	183.00	0.50	344085	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183.00	183.60	0.60	344086	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183.60	183.90	0.30	344087	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183.90	184.50	0.60	344088	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
184.50	185.00	0.50	344089	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
185.00	185.50	0.50	344090	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
185.50	185.80	0.30	344091	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
185.80	186.25	0.45	344092	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
186.25	187.10	0.85	344093	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187.10	187.50	0.40	344094	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187.50	188.00	0.50	344095	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
188.00	189.00	1.00	344097	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189.00	190.05	1.05	344098	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Length</i> <i>(m)</i>	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of</i> <i>Certificate</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>	<i>FA4</i> <i>Au</i> <i>(ppm)</i>	<i>FA5</i> <i>Au</i> <i>(ppm)</i>	<i>SFA</i> <i>Au</i> <i>(ppm)</i>	<i>SFA2</i> <i>Au</i> <i>(ppm)</i>	<i>SFA3</i> <i>Au</i> <i>(ppm)</i>	<i>GA</i> <i>Au</i> <i>(ppm)</i>	<i>GA2</i> <i>Au</i> <i>(ppm)</i>	<i>GA3</i> <i>Au</i> <i>(ppm)</i>	<i>GA4</i> <i>Au</i> <i>(ppm)</i>	<i>GA5</i> <i>Au</i> <i>(ppm)</i>	<i>AR</i> <i>Au</i> <i>(ppm)</i>	<i>AR2</i> <i>Au</i> <i>(ppm)</i>	<i>AR3</i> <i>Au</i> <i>(ppm)</i>	<i>Wt</i> <i>(kg)</i>	
190.05	190.60	0.55	344099	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190.60	191.60	1.00	344100	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
191.60	192.60	1.00	344101	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
192.60	193.60	1.00	344102	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193.60	194.45	0.85	344103	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194.45	194.85	0.40	344104	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194.85	195.25	0.40	344105	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195.25	195.70	0.45	344106	ActLabs	SU1501462A	07-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195.70	196.00	0.30	344107	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
196.00	196.45	0.45	344109	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
196.45	197.00	0.55	344110	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
197.00	198.00	1.00	344111	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198.00	199.05	1.05	344112	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202.80	203.30	0.50	344113	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203.30	203.80	0.50	344114	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203.80	204.30	0.50	344115	ActLabs	SU1501462A	07-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

QUALITY CONTROL REPORT

Hole Number **BEN15-06**

Project: **BENNEWEIS**

Project Number: **240**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
344012	STANDARD)		ActLabs	-	-	1.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344024	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344036	STANDARD		OREAS 206	ActLabs	-	-	2.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344048	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344060	STANDARD		OREAS 501	ActLabs	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344072	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344084	STANDARD		OREAS 504	ActLabs	-	-	1.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344096	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344108	STANDARD)		ActLabs	-	-	1.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DRILL HOLE REPORT

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 1.5	Length: 13.5	Dimension: NQ	Claim No.: 539181	Company: IAMGOLD
Dip: -51	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 449	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section: L 102+00 E	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 09-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: Moderate to strong chargeability IP and resistivity low			Coordinate - Gemcom	Coordinate - UTM
Comment: Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440200	East: 440220
			North: 5270485	North: 5270485
			Elev.: 406	Elev.: 394
			Coordinate - Local	East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	1.50	-51.00	0	0	0		C	<input checked="" type="checkbox"/>	
23.00	1.30	-50.60	0	0	0	56169.3	MS	<input checked="" type="checkbox"/>	
26.00	1.40	-50.50	0	0	0	55910.3	MS	<input checked="" type="checkbox"/>	
29.00	1.20	-50.60	0	0	0	55766.6	MS	<input checked="" type="checkbox"/>	
32.00	0.90	-50.60	0	0	0	55713.4	MS	<input checked="" type="checkbox"/>	
35.00	1.00	-50.60	0	0	0	55618.9	MS	<input checked="" type="checkbox"/>	
38.00	1.60	-50.40	0	0	0	55434.5	MS	<input checked="" type="checkbox"/>	
41.00	1.20	-50.60	0	0	0	55571.9	MS	<input checked="" type="checkbox"/>	
47.00	1.60	-50.50	0	0	0	55909	MS	<input checked="" type="checkbox"/>	
50.00	1.70	-50.30	0	0	0	55446.7	MS	<input checked="" type="checkbox"/>	
56.00	1.80	-50.30	0	0	0	55625.9	MS	<input checked="" type="checkbox"/>	
59.00	2.20	-49.90	0	0	0	55597.4	MS	<input checked="" type="checkbox"/>	
62.00	2.30	-49.70	0	0	0	55595	MS	<input checked="" type="checkbox"/>	
65.00	1.70	-50.10	0	0	0	55630.5	MS	<input checked="" type="checkbox"/>	
68.00	2.10	-49.80	0	0	0	55623.2	MS	<input checked="" type="checkbox"/>	

DRILL HOLE REPORT

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 1.5	Length: 13.5	Dimension: NQ	Claim No.: 539181	Company: IAMGOLD
Dip: -51	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 449	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section: L 102+00 E	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 09-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: Moderate to strong chargeability IP and resistivity low			Coordinate - Gemcom	Coordinate - UTM
Comment: Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440200	East: 440220
			North: 5270485	North: 5270485
			Elev.: 406	Elev.: 394
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
71.00	2.10	-49.90	0	0	0	55612.7	MS	☑	
74.00	2.20	-49.70	0	0	0	55624.1	MS	☑	
77.00	2.20	-49.70	0	0	0	55574.7	MS	☑	
80.00	2.00	-49.60	0	0	0	55565.9	MS	☑	
83.00	2.10	-49.40	0	0	0	55561.8	MS	☑	
86.00	2.10	-49.20	0	0	0	55559.2	MS	☑	
89.00	2.30	-49.10	0	0	0	55606.6	MS	☑	
92.00	2.10	-49.10	0	0	0	55556.1	MS	☑	
95.00	2.40	-48.80	0	0	0	55591.2	MS	☑	
98.00	2.10	-49.00	0	0	0	55578.3	MS	☑	
101.00	2.00	-48.90	0	0	0	55591.1	MS	☑	
104.00	2.00	-48.70	0	0	0	55566.8	MS	☑	
107.00	2.70	-48.30	0	0	0	55580.9	MS	☑	
110.00	2.60	-48.20	0	0	0	55573.3	MS	☑	
113.00	2.50	-48.10	0	0	0	55571.4	MS	☑	
116.00	2.20	-48.50	0	0	0	55570.1	MS	☑	

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other			
Azimuth:	1.5	Length:	13.5	Dimension:	NQ	Claim No.:	539181	Company:	IAMGOLD		
Dip:	-51	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois		
Length:	449	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach		
Started:	25-Nov-15	Cemented:	no	Hole Type	DDH	Section:	L 102+00 E	Surveyed:			
Completed:	29-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:			
Logged:	09-Dec-15	Making water:	no	Relog by:		NAD:	NAD83	Multi shot su	yes		
Township:	ST.LOUIS	Plugged:	no								
Target:	Moderate to strong chargeability IP and resistivity low					Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local			
Comment:	Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area					East:	440200	East:	440220	East:	0
						North:	5270485	North:	5270485	North:	0
						Elev.:	406	Elev.:	394	Elev.:	0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
119.00	2.40	-48.00	0	0	0	55562.2	MS	☑	
122.00	1.90	-48.40	0	0	0	55624.4	MS	☑	
125.00	2.60	-47.90	0	0	0	55570	MS	☑	
128.00	2.10	-48.10	0	0	0	55560.4	MS	☑	
131.00	2.50	-48.20	0	0	0	55572.6	MS	☑	
134.00	2.20	-48.10	0	0	0	55606.6	MS	☑	
137.00	2.70	-47.80	0	0	0	55600.7	MS	☑	
140.00	3.00	-47.70	0	0	0	55605.5	MS	☑	
143.00	2.20	-48.00	0	0	0	55664.2	MS	☑	
146.00	2.50	-47.70	0	0	0	55612	MS	☑	
149.00	2.80	-47.60	0	0	0	55574	MS	☑	
152.00	2.40	-47.80	0	0	0	55575.8	MS	☑	
155.00	2.50	-47.80	0	0	0	55612.3	MS	☑	
158.00	3.30	-47.50	0	0	0	55575.8	MS	☑	
161.00	2.70	-47.70	0	0	0	55559.4	MS	☑	
164.00	2.90	-47.50	0	0	0	55531	MS	☑	

DRILL HOLE REPORT

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 1.5	Length: 13.5	Dimension: NQ	Claim No.: 539181	Company: IAMGOLD
Dip: -51	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 449	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section: L 102+00 E	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 09-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: Moderate to strong chargeability IP and resistivity low			Coordinate - Gemcom	Coordinate - UTM
Comment: Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440200	East: 440220
			North: 5270485	North: 5270485
			Elev.: 406	Elev.: 394
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
167.00	3.40	-47.30	0	0	0	55519.3	MS	☑	
170.00	3.50	-47.20	0	0	0	55522.6	MS	☑	
173.00	3.60	-47.10	0	0	0	55516.7	MS	☑	
176.00	3.70	-47.00	0	0	0	55489.6	MS	☑	
179.00	3.80	-47.00	0	0	0	55603.4	MS	☑	
182.00	3.80	-47.20	0	0	0	55492.5	MS	☑	
185.00	4.40	-46.80	0	0	0	55473.2	MS	☑	
188.00	4.70	-46.80	0	0	0	55462.1	MS	☑	
191.00	4.80	-47.00	0	0	0	55412.8	MS	☑	
194.00	3.80	-46.80	0	0	0	55827.8	MS	☑	
197.00	4.10	-46.60	0	0	0	55756.2	MS	☑	
200.00	3.90	-46.80	0	0	0	55611.1	MS	☑	
203.00	4.60	-46.40	0	0	0	55559.4	MS	☑	
206.00	4.90	-46.50	0	0	0	55556.1	MS	☑	
209.00	4.50	-46.70	0	0	0	55548	MS	☑	
212.00	5.20	-46.30	0	0	0	55533.7	MS	☑	

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other			
Azimuth:	1.5	Length:	13.5	Dimension:	NQ	Claim No.:	539181	Company:	IAMGOLD		
Dip:	-51	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois		
Length:	449	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach		
Started:	25-Nov-15	Cemented:	no	Hole Type	DDH	Section:	L 102+00 E	Surveyed:			
Completed:	29-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:			
Logged:	09-Dec-15	Making water:	no	Relog by:		NAD:	NAD83	Multi shot su	yes		
Township:	ST.LOUIS	Plugged:	no								
Target:	Moderate to strong chargeability IP and resistivity low					Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local			
Comment:	Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area					East:	440200	East:	440220	East:	0
						North:	5270485	North:	5270485	North:	0
						Elev.:	406	Elev.:	394	Elev.:	0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
215.00	5.20	-46.10	0	0	0	55541.1	MS	✓	
218.00	4.60	-46.30	0	0	0	55564.6	MS	✓	
221.00	5.00	-46.20	0	0	0	55614.9	MS	✓	
224.00	4.70	-46.10	0	0	0	55584.6	MS	✓	
227.00	5.00	-46.10	0	0	0	55550.5	MS	✓	
230.00	5.20	-45.80	0	0	0	55578.9	MS	✓	
233.00	5.70	-45.60	0	0	0	55513.1	MS	✓	
236.00	5.70	-45.60	0	0	0	55508.4	MS	✓	
239.00	5.60	-45.60	0	0	0	55535.9	MS	✓	
242.00	5.50	-45.60	0	0	0	55581.2	MS	✓	
245.00	5.30	-45.80	0	0	0	55565.4	MS	✓	
248.00	5.90	-45.50	0	0	0	55542	MS	✓	
251.00	6.00	-45.40	0	0	0	55545.5	MS	✓	
254.00	5.70	-45.60	0	0	0	55548.5	MS	✓	
257.00	5.70	-45.50	0	0	0	55549.3	MS	✓	
260.00	6.20	-45.10	0	0	0	55525.6	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 1.5	Length: 13.5	Dimension: NQ	Claim No.: 539181	Company: IAMGOLD
Dip: -51	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 449	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section: L 102+00 E	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 09-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: Moderate to strong chargeability IP and resistivity low			Coordinate - Gemcom	Coordinate - UTM
Comment: Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440200	East: 440220
			North: 5270485	North: 5270485
			Elev.: 406	Elev.: 394
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

Distance	Azimuth	Dip	Easting	Northing	Elevation	Mag. Fie.	Type	Good	Comments
263.00	5.90	-45.40	0	0	0	55514.5	MS	✓	
266.00	6.00	-45.20	0	0	0	55502.4	MS	✓	
269.00	5.90	-45.40	0	0	0	55555.6	MS	✓	
272.00	5.90	-45.40	0	0	0	55523.7	MS	✓	
275.00	6.40	-45.10	0	0	0	55562.3	MS	✓	
281.00	6.50	-45.00	0	0	0	55552.6	MS	✓	
287.00	6.50	-44.90	0	0	0	55536.5	MS	✓	
290.00	6.40	-44.90	0	0	0	55556.1	MS	✓	
293.00	6.40	-45.10	0	0	0	55526.4	MS	✓	
296.00	6.40	-45.10	0	0	0	55584.3	MS	✓	
299.00	6.50	-45.00	0	0	0	55437.4	MS	✓	
302.00	6.40	-44.90	0	0	0	55559.5	MS	✓	
305.00	6.60	-44.90	0	0	0	55542.6	MS	✓	
308.00	6.40	-44.90	0	0	0	55591.8	MS	✓	
311.00	6.90	-44.60	0	0	0	55569.8	MS	✓	
314.00	6.60	-44.80	0	0	0	55602.4	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 1.5	Length: 13.5	Dimension: NQ	Claim No.: 539181	Company: IAMGOLD
Dip: -51	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 449	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section: L 102+00 E	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 09-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: Moderate to strong chargeability IP and resistivity low			Coordinate - Gemcom	Coordinate - UTM
Comment: Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440200	East: 440220
			North: 5270485	North: 5270485
			Elev.: 406	Elev.: 394
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

Distance	Azimuth	Dip	Easting	Northing	Elevation	Mag. Fie.	Type	Good	Comments
317.00	6.90	-44.40	0	0	0	55570.2	MS	✓	
320.00	7.20	-44.40	0	0	0	55611.8	MS	✓	
323.00	6.80	-44.50	0	0	0	55657.1	MS	✓	
326.00	7.00	-44.30	0	0	0	55779.6	MS	✓	
329.00	6.60	-44.60	0	0	0	55585.1	MS	✓	
332.00	7.10	-44.30	0	0	0	55649.8	MS	✓	
335.00	7.70	-44.30	0	0	0	55426.7	MS	✓	
338.00	7.10	-44.40	0	0	0	55475	MS	✓	
341.00	7.40	-44.30	0	0	0	55486	MS	✓	
344.00	7.50	-44.20	0	0	0	55186	MS	✓	
347.00	7.30	-44.50	0	0	0	55650.5	MS	✓	
350.00	7.90	-44.10	0	0	0	55636.6	MS	✓	
353.00	7.70	-44.10	0	0	0	55552.1	MS	✓	
359.00	7.70	-44.00	0	0	0	55566.6	MS	✓	
362.00	7.60	-44.00	0	0	0	55572.6	MS	✓	
365.00	7.80	-44.20	0	0	0	55599.4	MS	✓	

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling		Casing		Core		Location		Other			
Azimuth:	1.5	Length:	13.5	Dimension:	NQ	Claim No.:	539181	Company:	IAMGOLD		
Dip:	-51	Pulled:	no	Diam Chang:	no	NTS:	41-P/12	Contractor:	Laframbois		
Length:	449	Capped:	yes	Storage:	Klondike Lodge	Hole:	SURFACE	Spotted by:	Stephen Roach		
Started:	25-Nov-15	Cemented:	no	Hole Type	DDH	Section:	L 102+00 E	Surveyed:			
Completed:	29-Nov-15	Left in hole:	no	Logged by:	Stephen Roach	Zone:	17	Surveyed by:			
Logged:	09-Dec-15	Making water:	no	Relog by:		NAD:	NAD83	Multi shot su	yes		
Township:	ST.LOUIS	Plugged:	no								
Target:	Moderate to strong chargeability IP and resistivity low					Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local			
Comment:	Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area					East:	440200	East:	440220	East:	0
						North:	5270485	North:	5270485	North:	0
						Elev.:	406	Elev.:	394	Elev.:	0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
371.00	7.60	-44.10	0	0	0	55547.8	MS	✓	
374.00	7.70	-44.10	0	0	0	55536.1	MS	✓	
377.00	7.80	-43.80	0	0	0	55492.7	MS	✓	
380.00	7.80	-43.80	0	0	0	55532.3	MS	✓	
383.00	7.90	-43.90	0	0	0	55488.8	MS	✓	
386.00	7.60	-43.80	0	0	0	55475.5	MS	✓	
389.00	7.70	-43.50	0	0	0	55471.9	MS	✓	
392.00	7.90	-43.50	0	0	0	55492.4	MS	✓	
395.00	7.50	-43.60	0	0	0	55481.8	MS	✓	
401.00	7.50	-43.60	0	0	0	55569.8	MS	✓	
404.00	7.90	-43.20	0	0	0	55538.2	MS	✓	
407.00	7.70	-43.50	0	0	0	55563.7	MS	✓	
410.00	7.80	-43.20	0	0	0	55552.7	MS	✓	
413.00	7.90	-43.10	0	0	0	55634.3	MS	✓	
416.00	7.80	-43.40	0	0	0	55671.9	MS	✓	
419.00	7.30	-43.20	0	0	0	55746.6	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 1.5	Length: 13.5	Dimension: NQ	Claim No.: 539181	Company: IAMGOLD
Dip: -51	Pulled: no	Diam Chang: no	NTS: 41-P/12	Contractor: Laframbois
Length: 449	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section: L 102+00 E	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Stephen Roach	Zone: 17	Surveyed by:
Logged: 09-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged: no			
Target: Moderate to strong chargeability IP and resistivity low			Coordinate - Gemcom	Coordinate - UTM
Comment: Additional Targets: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440200	East: 440220
			North: 5270485	North: 5270485
			Elev.: 406	Elev.: 394
				Coordinate - Local
				East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
422.00	7.60	-42.90	0	0	0	55733.2	MS	☑	
440.00	8.40	-42.60	0	0	0	55489.5	MS	☑	
443.00	8.50	-42.50	0	0	0	55487.9	MS	☑	
446.00	8.10	-42.40	0	0	0	55078.8	MS	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	10.55	Overburden OB Overburden Overburden (Casing - 0 to 13.5) - numerous boulders in clay soil	4	3	BR									
10.55	28.10	Fresh Rock 8D Granodiorite-Monzodiorite Quartz-Eye Granodiorite (minor Fault Gouge) - light greenish gray color, felsic to intermediate in composition with moderate to strong ser along sh fracture cleavage with weak cb, 5% to 10% fg to cg (up to 0.40 cm in size) bluish quartz-eyes in a vfg felsic to intermediate matrix....sub-elliptical to sub-rounded in shape; porphyritic texture, well developed shear fracture clvg 35 to 53 from C.A. (average is 44 from C.A.), occasional qcs/q's as lenses up to 2 cm wide (<1%)....irregular and discontinuous; barren to < 0.5% py. Contact - sharp fault gouge and fracturing/brecciation	1	1	GG	344351	23.00	24.00	1.00	0	-	0.01	-	-
						344352	27.00	27.50	0.50	0	-	0.01	-	-
						344353	27.50	28.10	0.60	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
		10.55 - 28.10	CB FRC 2	Carbonatization, Along Fractures, Weak										
		10.55 - 28.10	SR SP 4	Sericitization, Along Shear Planes, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		10.55 - 28.10	Py DIS 0.5	Pyrite, Disseminated, 0.5%										
		Minor Interval:												
21.40	21.55	Fresh Rock FLTg Fault Gouge Fault Gouge/Fracture Zone - broken up core with altered felsic to intermediate composition with chl-ser and numerous calcite annealment fractures (1% to 2%), strong gouge and sheared joints, barren of sulphides < 0.5%. Contact - sharp fault broken upper and lower contacts												

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
28.10	30.10	Fresh Rock QTCS Quartz-(Carbonate) Stockwork (Fault Zone)	1	1	GG	344354	28.10	28.70	0.60	0	-	0.01	-	-
		Quartz-(Carbonate) Stockwork (Fault Zone in Granodiorite) - dark gray, green, and white color, felsic to intermediate in composition with patchy strong bleached sil and chl-cb fracture and shear controlled alteration, strong pervasive sil from 28.7 to 29.5 and 30.1 to 30.4 with strong chl-cb in the remaining sections, included fracture-fill qcv from 30.1 to 30.4; strongly fractured with 15% to 30% qcs/qs up to 9 cm wide associated with variable strong sil and chl-cb alteration with core angles varying 10 to 85 from C.A., upper contact is strongly bx with angular chl fragments up to 5 cm in size in gouge and lower contact is buckled and folded; occasional to very finely disseminated (<1% to 10%) py and < 0.5% cpy with increased py in more sil zones (up to 10%), py occurs mainly in altered wallrock with < 1% py in vn.				344355	28.70	29.50	0.80	0	-	0.01	-	-
		Contact - sharp contact 85 from C.A. with buckled foled qs				344356	29.50	30.10	0.60	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												
		28.10 - 30.10 CB FRC 4 Carbonatization, Along Fractures, Strong												
		28.10 - 30.10 CL FRC 4 Chloritization, Along Fractures, Strong												
		28.10 - 30.10 SI SPT 4 Silicification, Spotty/Patchy, Strong												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		28.10 - 30.10 Py DIS 1 Pyrite, Disseminated, 1% to 10%												
30.10	33.00	Fresh Rock 4J Felsic Volcaniclastic Crystal Tuff	1	1	GG	344357	30.10	30.40	0.30	0	-	0.01	-	-
		Felsic to Intermediate Volcaniclastic Crystal Tuff - dark grayish green color, felsic to intermediate in composition with weak chl and moderate cb in matrix, 20% to 25% qtz>fd xtls up to 0.4 cm in size being sub-rounded to sub-angular in shape, reworked immature volcanic detrital xtls; reworked fragmental texture, weakly sheared/foliated 50 from C.A., < 1% qcs; barren to < 0.5% py.				344358	30.40	30.90	0.50	0	-	0.01	-	-
		Contact - gradational more reworked/metasediment towards contact				344359	30.90	31.40	0.50	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												
		30.10 - 33.00 CL PV 1 Chloritization, Pervasive, Very weak												
		30.10 - 33.00 CB PV 3 Carbonatization, Pervasive, Moderate												

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		Mineralization Maj. :	Type/Style/%Mineral	Comment													
		30.10 - 33.00	Py DIS 0.5	Pyrite, Disseminated, 0.5%													
33.00	85.60	Fresh Rock	11C1	Interbedded Conglomerate & Arkosic-W		1	1	REBR	344360	45.50	46.50	1.00	0	-	0.01	0.01	-
		Interbedded Conglomerate and Arkosic-wacke - variable grayish-green, gray, and reddish green/gray colors; felsic to (intermediate) in composition with weak to locally moderate sericite-(chlorite) and moderate to strong hem dusting from 35.0 to 50.5 and from 68.9 to 85.6, weak pervasive cb in matrix and stronger in local fractures.															
		- granodiorite clast supported in a sub-volcanic intrusive to volcanic derived matrix with interbedded xtl-rich, vfg to mg (<0.30 cm) detrital fd>qtz(qe) ranging 10%to 30%, sub-elliptical to sub-rounded shaped clasts are strongly sheared and attenuated giving a banded form with clast size up to 40 cm , but more commonly 2 to 5 cm in size, moderately to strongly sheared ranging from 25 to 55 from C.A. (average is 49.5 from C.A.), relict banding/bedding 45 to 50 from C.A. and local axial planar clvg fold axis) 60 to 90 from C.A.; occasional to scattered qcs/qs up to 10 cm wide ranging < 1% to locally 25%, increase in qcs/qs veining from 45.5 to 46.5 (105 to 15%) and from 63.7 to 64.5 (20% to 25%); occasional bleb of py < 1%.															
		Contact - gradational decrease in hematite and reworking/bnding															
		Alteration Maj:	Type/Style/Intensity		Comment												
		33.00 - 85.60	CL	PV	2	Chloritization, Pervasive, Weak											
		33.00 - 85.60	SR	PV	3	Sericitization, Pervasive, Moderate											
		33.00 - 85.60	HM	MX	3	Hematization, Matrix, Moderate											
		Mineralization Maj. :	Type/Style/%Mineral		Comment												
		33.00 - 85.60	Py	DIS	0.5	Pyrite, Disseminated, 0.5%											

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85.60	93.65	Fresh Rock	QTS	Weak Quartz Stockwork (Fractured Mafic)	1	1	GR							
			W											
		Weak Quartz Stockwork (Fractured Mafic Flow) - light green to green color, mafic composition with weak to moderate chl-ser and wk cb, increased moderate to locally strong ser about numerous qs/qcs; fractured with variable qcs/qs (<1% to 30%) averaging 13% to 18% with veining < 0.1 to 15 cm wide, local up to 1% to 5% black tourmaline and epidote associated with aspy (92.25 to 92.85), qcs/qs vary 18 to 85 from C.A., mod sh and foliated wallrock 40 to 45 from C.A.; occasional to local increased concentrations of aspy about qcs/qs with aspy>py, aspy occurs as fg to mg orthorhombic to cubic disseminated xtls ranging from < 1% to 10%, with increased concentrations from 86.95 to to 87.5 (1%-2%), 92.25 to 92.85 (5%-10%), and from 92.85 to 93.65 (1%-3%), occasional to widely scattered py < 1%.												
		Contact - gradational												
		Alteration Maj:	Type/Style/Intensity	Comment										
		85.60 - 93.65	EP FRC 3	Epidotization, Along Fractures, Moderate										
		85.60 - 93.65	SR FRC 4	Sericitization, Along Fractures, Strong										
		85.60 - 93.65	CL MX 2	Chloritization, Matrix, Weak										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		85.60 - 86.95	Aspy DIS 0.5	Arsenopyrite, Disseminated, 0.5%										
		86.95 - 87.50	Aspy DIS 2	Arsenopyrite, Disseminated, 1% to 2%										
		87.50 - 92.25	Aspy DIS 0.5	Arsenopyrite, Disseminated xtls, <1%										
		92.25 - 92.85	Aspy DIS 10	Arsenopyrite, Disseminated xtls, 5% to 10%										
		92.85 - 93.65	Aspy DIS 3	Arsenopyrite, Disseminated xtls, 1% to 3%										

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
93.65	105.95	Fresh Rock SH Sericite Shear (Sericitic and Sheared M	1	1	GG	344382	93.65	94.50	0.85	0	-	0.01	-	-
		Sericite Shear (Sericitic and Sheared Mafic Flow/Volcaniclastics) - light green to beige grayish green color, altered mafic composition with mod-(strong) sericite and overall moderate cb (calcite) and weak chl, locally strong cb in matrix and along fractures, gradational cb bnd as flow interstitial from 103.35 to 105.95; strongly sheared/foliated with possible volcaniclastic/epiclastic lam/bnds in parasitic folded area with shearing 40 to 50 from C.A. 9average is 45.8 from C.A.), strong intense and tight parasitic folding from 95.75 to 99.75 with flexures showing Z-shape folds 20 to 50 from C.A....local S-shape parasitic flexuring at 99.7, generally < 1% to 5% qcs/qs with local 25% to 30% qcs/qs (up to 5 cm wide) from 104.5 to 105.1; occassional bleb/xtl of py-asp (y) (<0.5%).				344383	94.50	95.00	0.50	0	-	0.01	-	-
						344385	95.00	96.00	1.00	0	-	0.01	-	-
						344386	96.00	97.00	1.00	0	-	0.02	-	-
						344387	97.00	98.00	1.00	0	-	0.01	-	-
						344388	98.00	99.00	1.00	0	-	0.01	-	-
						344389	99.00	100.00	1.00	0	-	0.01	-	-
		Contact - gradational increase in qcs/qs				344390	100.00	101.00	1.00	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment				344391	101.00	102.00	1.00	0	-	0.01	-	-
		93.65 - 105.95 CB PV 3 Carbonatization, Pervasive, Moderate				344392	102.00	103.00	1.00	0	-	0.01	-	-
		93.65 - 105.95 SR PV 3 Sericitization, Pervasive, Moderate				344393	103.00	104.00	1.00	0	-	0.01	-	-
		Mineralization Maj. : Type/Style/%Mineral Comment				344394	104.00	104.50	0.50	0	-	0.01	-	-
		93.65 - 105.95 Py DIS 0.5 Pyrite, Disseminated, <0.5%				344395	104.50	105.10	0.60	0	-	0.01	0.01	-
						344397	105.10	105.95	0.85	0	-	0.01	-	-
105.95	108.20	Fresh Rock QTCS Quartz-Carbonate Stockwork	1	1	BE	344398	105.95	106.50	0.55	0	-	0.01	-	-
		W				344399	106.50	107.00	0.50	0	-	0.01	-	-
		Quartz-Carbonate Stockwork - beige dirty green to greenish-grsay colors, altered mafic composition with strong pervasive ser-cb associated with numerous qcs (up to 5 cm wide) and ranging 20% to 30%; strongly sh and fractured with shearing 45 to 55 from C.A. and qcs/qs fractures 48 to 55 from C.A., local chert (up to 1 cm wide) bands/lamination 50 from C.A.; occassional < 0.5% py with increased vfg py (5%) in chert bands up to 1 cm wide.				344400	107.00	107.50	0.50	0	-	0.01	-	-
						344401	107.50	108.20	0.70	0	-	0.01	-	-
		Contact - gradational decrease in quartz-carbonate veining												
		Alteration Maj: Type/Style/Intensity Comment												
		105.95 - 108.20 CB PV 4 Carbonatization, Pervasive, Strong												

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	105.95 - 108.20	SR PV 4	Sericitization, Pervasive, Strong									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	105.95 - 108.20	Py DIS 0.5	Pyrite, Disseminated, <0.5% with local 5% py in chert bands up to 1 cm wide									
108.20	138.35	Fresh Rock 2G Carbonate Altered Mafic Massive to Pill	1 1 GG	344402	108.20	108.70	0.50	0	-	0.01	-	-
		Carbonate Altered Mafic Massive to Pillow Flow - beige dirty green, grayish green, and green colors, altered mafic composition with strong cb from 108.2 to 119.7 in matrix and interstitial bnds, and fractures....gradual decrease weak to (moderate) cb to 138.35, but strong carbonate (calcite) in fractures and bands, numerous white calcite-rich bands (pillow interstices) from 108.2 to 120.55, weak chl-ser with sericite decreasing towards 138.35 with increased moderate chl from 119 to 138.35		344403	108.70	109.20	0.50	0	-	0.01	-	-
		- strongly sheared with well developed pillow textures from 124.8 to 129.2 with pillows up to 6 cm wide, reflected as bands, strongly sheared 45 to 62 from C.A. (average is 49.9 from C.A.), generally < 1% to 5% qcs/qs with local increase 15% to 20% qcs from 119.0 to 119.7 and 5% to 12% qcs from 128.4 to 129.2; S-fold nose flexures/parasitic folds from 117.5 to 118 10 to 55 from C.A. and from 136.5 to 138.2 20 to 40 from C.A.; a 3 to 5 cm wide folded laminated chert band at 111.5, 40 from C.A.		344404	109.20	110.20	1.00	0	-	0.01	-	-
		Mineralization - generally occasional py < 1% with slight increase in scattered py-(aspy) from 121.5 to 124.4 and from 128.4 to 129.2 (1%-3%)		344405	110.20	110.75	0.55	0	-	0.01	0.01	-
		Contact - sharp contact with 3 cm wide qs 45 from C.A.		344406	110.75	111.90	1.15	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment	344407	111.90	113.00	1.10	0	-	0.01	-
	108.20 - 119.70	CL PV 2	Chloritization, Pervasive, Weak	344409	113.00	114.00	1.00	0	-	0.01	-	-
	108.20 - 119.70	CB FRC 4	Carbonatization, Along Fractures, Strong	344410	114.00	115.00	1.00	0	-	0.01	-	-
	108.20 - 119.70	CB BNDS 4	Carbonatization, Bands/Banded, Strong	344411	115.00	116.00	1.00	0	-	0.01	-	-
	108.20 - 119.70	CB MX 4	Carbonatization, Matrix, Strong	344412	116.00	117.00	1.00	0	-	0.01	-	-
	119.70 - 138.35	CB MX 3	Weak to moderate Carbonatization, Matrix, Moderate	344413	117.00	118.00	1.00	0	-	0.01	-	-
		Mineralization Maj. :	Type/Style/%Mineral	Comment	344414	118.00	119.00	1.00	0	-	0.01	-
	108.20 - 121.50	Py DIS 0.5	Pyrite, Disseminated, <1% py-(aspy)	344415	119.00	119.70	0.70	0	-	0.01	0.01	-
				344416	119.70	120.55	0.85	0	-	0.01	-	-
				344417	120.55	121.50	0.95	0	-	0.01	-	-
				344418	121.50	122.50	1.00	0	-	0.01	-	-
				344419	122.50	123.40	0.90	0	-	0.01	-	-
				344421	123.40	124.40	1.00	0	-	0.01	-	-
				344422	124.40	125.40	1.00	0	-	0.01	-	-
				344423	125.40	126.40	1.00	0	-	0.01	-	-

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	121.50 - 124.40	Py DIS 3	Pyrite, Disseminated, 1% to 3%	py-(aspy)		344424	126.40	127.40	1.00	0	-	0.01	-	-
	124.40 - 128.40	Py DIS 1	Pyrite, Disseminated, <1%	py-(aspy)		344425	127.40	128.40	1.00	0	-	0.01	-	-
	128.40 - 129.20	Py DIS 3	Pyrite, Disseminated, 1% to 3%			344426	128.40	129.20	0.80	0	-	0.01	-	-
						344427	129.20	129.70	0.50	0	-	0.01	-	-
						344428	137.70	138.20	0.50	0	-	0.01	-	-
138.35	140.30	Fresh Rock QTCS Quartz-Carbonate Stockwork W	1	1	GG	344429	138.20	138.70	0.50	0	-	0.01	0.01	-
		Quartz-Carbonate Stockwork (Mafic Pillow Flow/Volcaniclastic) - beige green to dirty grayish green colors, altered mafic composition with moderate ser and wk-(mod) cb with strong calcite carbonate fractures				344430	138.70	139.20	0.50	0	-	0.01	-	-
		- fractured and sheared texture with 15% to 50% qcs/qcv with veining up to 18 cm wide with general core angles 50 to 60 from C.A., strongly sh 50 to 55 from C.A., somewhat contorted and tightly folded.....S-shape axial planar 50 from C.A.				344431	139.20	139.75	0.55	0	-	0.01	-	-
		Mineralization - scattered vfg to fg py (1% to 3%), po (up to 2%), and orange brown wispy sp (< 1%), sulphides occur in both wr, vn, and wr/vn contact, sulphides occur both as disseminated grains and fracture-filling in both vn and wallrock				344433	139.75	140.30	0.55	0	-	0.01	-	-
		Contact - sharp contact 54 from C.A.												
		Alteration Maj:	Type/Style/Intensity	Comment										
	138.35 - 140.30	CB FRC 2	Carbonatization, Along Fractures, Weak											
	138.35 - 140.30	SR FRC 3	Sericitization, Along Fractures, Moderate											
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	138.35 - 140.30	Sph FOL 1	Sphalerite, Along foliation, <1%											
	138.35 - 140.30	Po DIS 2	Pyrrhotite, Disseminated, 2%											
	138.35 - 140.30	Py DIS 1	Pyrite, Disseminated, 1% to 3%											

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140.30	152.70	Fresh Rock 2G Sheared and Carbonate Altered Mafic Pi	1	1	GR	344434	140.30	141.25	0.95	0	-	0.01	-	-
		Sheared and Carbonate Altered Mafic Pillow Flow/Pillow Breccia (Minor Mafic Volcaniclastic) - dirty green to light grayish-green to green colors, altered mafic composition with mod ser at upper contact decreasing with depth, weak to locally mod-strong calcite cb alteration in matrix and strong calcite fractures with frequent cb-rich pillow interstices, upper part of the interval from 140.3 to 144.5 is dirty-looking reworked mafic volcaniclastic.				344435	141.25	141.65	0.40	0	-	0.01	-	-
						344436	141.65	142.15	0.50	0	-	0.01	-	-
						344437	142.15	143.00	0.85	0	-	0.01	-	-
						344438	143.00	144.00	1.00	0	-	0.01	-	-
		- strongly sheared 43 to 50 from C.A. with a pillow/pillow bx texture with calcite-rich interstitial, overall weakly fractured < 1% to local 25% to 30% qcs from 141.25 to 142.15 (up to 5 cm wide); qcs 45 to 54 from C.A.				344439	151.20	151.70	0.50	0	-	0.01	0.01	-
						344440	151.70	152.20	0.50	0	-	0.01	-	-
		Mineralization - occasional bleb of py-po (< 0.5%) Contact - sharp 40 from C.A.				344441	152.20	152.70	0.50	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												
		140.30 - 152.70 CB FRC 4 Carbonatization, Along Fractures and hyaloclastite interstices, Strong												
		140.30 - 152.70 SR MX 3 Sericitization, Matrix, Moderate												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		140.30 - 152.70 Po DIS 0.5 Pyrrhotite, Disseminated, <0.5%												
		140.30 - 152.70 Py DIS 0.5 Pyrite, Disseminated, <0.5%												
152.70	155.35	Fresh Rock 2G Graphitic Mafic Pillow Flow Breccia	1	1	BLK	344442	152.70	153.20	0.50	0	-	0.01	-	-
		Graphitic Mafic Pillow Flow Breccia - light grayish-green, light green, and black color, altered mafic composition with variable weak to strong cb (calcite) with general increase to strong pervasive cb to 155.35, strongly graphitic from 152.7 to 153.2 with localized and discontinuous lenses/bands of weak to (moderate) graphite in mafic matrix.				344443	153.20	154.20	1.00	0	-	0.01	-	-
						344445	154.20	154.75	0.55	0	-	0.01	-	-
						344446	154.75	155.35	0.60	0	-	0.01	-	-
		- sheared and flow bx texture 44 to 53 from C.A., tight discontinuous and folded lam/seams in gf sections only, generally < 1% to 5% qcs/qcs with increased veining in gf sections from 152.7 to 153.2 averaging 20% qcs (up to 4 cm wide).												

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<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
<p>Mineralization - occasional to widely scattered py (<1% to local 2%) with recognition of < 1% sp, increased py-(sp) at upper contact 152.7 to 154.2 Contact - gradational decrease in graphite</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>152.70 - 155.35 CB PV 4 Carbonatization, Pervasive, Strong</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment</p> <p>152.70 - 155.35 Sph FOL 0.5 Sphalerite, Along foliation, <0.5%</p> <p>152.70 - 155.35 Py DIS 1 Pyrite, Disseminated, <1% to local 2% at upper contact</p>														
155.35	175.55	Fresh Rock 2G Carbonate Altered Mafic Pillow Flow	1	1	LGR	344447	155.35	156.35	1.00	0	-	0.01	-	-
<p>Carbonate Altered Mafic Pillow Flow - light green to green color, altered mafic composition with strong pervasive carbonate (calcite) in matrix, 5% to locally 10% calcite-rich carbonate hyaloclastite interstitial (up to 4 cm) as well as chl-cb interstitial.</p> <p>- well developed sheared pillow texture (up to 5 to 20 cm wide) ranging from 40 to 53 from C.A. (average is 48 from C.A.), tightly packed pillows, scattered thin qcs < 1% to 2% up to 2 cm wide.</p> <p>Mineralization - occasional vfg py (<1%) as sh grains in calcite-rich interstices Contact - sharp 25 from C.A.</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>155.35 - 175.55 CB PV 4 Carbonatization, Pervasive, Strong</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment</p> <p>155.35 - 175.55 Py DIS 1 Pyrite, Disseminated, <1%</p>														

Minor Interval:

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)		
164.00	164.30	Fresh Rock Diabase Dyke - black color, mafic composition being vfg and phanitic , numerous hairline fractures, none to weak megnetite and barren; broken upper and lower contacts	14B	<i>Fine-grained Diabase Dyke</i>	1											
175.55	176.10	Fresh Rock Weakly Graphitic and Biotiferous Quartz-(Carbonate) Stockwork - light green, & black/white fresh colors, HW & FW weak cb altered mafic pillow flow with pillow interstitial of black colored wk gf and bio, strong calcite-rich cb hyaloclastite 0 to 30 from C.A.; younger qs cross-cutting 25% to 30% qcs of interval ranging up to 10-15 cm wide, sheared 20 to 25 from C.A. Mineralization - 10% to 20% vfg magnetic po associated with more bio (wk gf) section as folded laminations and < 1% po in veining, upper contact area hosts 2% to 5% vfg py and occasional cpy associated with po and vfg red sp in cb-rich bands. Contact - sharp contact 40 from C.A. with 1 cm wide qcs	QTCS	Weakly Graphitic and Biotiferous Quartz	1	1	LGR	344449	175.55	176.10	0.55	0	-	0.01	0.01	-
		Alteration Maj:	Type/Style/Intensity	Comment												
		175.55 - 176.10	CB PV 2	Carbonatization, Pervasive, Weak												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
		175.55 - 176.10	Cpy DIS 1	Chalcopyrite, Disseminated, <1% associated with po												
		175.55 - 176.10	Py DIS 2	Pyrite, Disseminated, 2% to 5%												
		175.55 - 176.10	Po DIS 10	Pyrrhotite, Disseminated, 10% to 20%												

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176.10	186.55	Fresh Rock 2B Mafic Massive Flow	1	1	GR	344450	176.10	176.60	0.50	0	-	0.01	-	-
		Mafic Massive Flow - green color, mafic composition with weak to moderate carbonate with increase in cb from 180.5 to 186.55, weak chl alteration of amphibole (15% to 25%), locally disseminated vfg white leucoxene (5%) from 180.5 to 181.0.				344451	183.00	184.00	1.00	0	-	0.01	-	-
		- massive appearance with weakly sheared 40 from C.A., scattered qs/qcs with largest veinlet from 185.25 to 185.55 with upper contact 60 from C.A. and lower irrular contact 85 from C.A.....overall up to 5% qs/qcs/qfs				344452	184.00	185.25	1.25	0	-	0.01	-	-
		Mineralization - occasional to locally scattered py < 1% and locally 1% Contact - sharp contact 45 from C.A.				344453	185.25	185.55	0.30	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment				344454	185.55	186.70	1.15	0	-	0.01	-	-
		176.10 - 186.55 LX DISS 1 Leucoxene, Disseminated, Very weak												
		176.10 - 186.55 CB PV 3 Carbonatization, Pervasive, Weak to Moderate												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		176.10 - 186.55 Py DIS 1 Pyrite, Disseminated, <1% and locally up to 1%												
186.55	191.30	Fresh Rock 14B Diabase Dyke	1	1	BLK	344455	186.70	187.20	0.50	0	-	0.01	-	-
		Diabase Dyke - dark grayish-black color, mafic composition being vfg and aphanitic, frequent to numerous chl hairline fractures (5% to 10%) with increase in fracturing towards upper and lower contacts, massive appearance with local qcs at upper contact												
		Mineralization - scattered to disseminated very thin layers of pyrite (upper contact) ranging < 1% to 3% with possible po; weakly magnetic Contact - sharp chilled contact 40 from C.A.												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		186.55 - 191.30 Py DIS 1 Pyrite, Disseminated, <1% to 3%												

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191.30	193.80	Fresh Rock 2B Mafic Massive Flow Mafic Massive Flow - green color, mafic composition with strong pervasive cb with 15% to 25% foliated amphibole in a cb-rich and wk-mod chl matrix, vfg disseminated white leucoxene (20% to 25%); moderately foliated 45 to 50 from C.A., scattered up to 1% to 5% qcs/qs up to 3 cm wide; occasional bleb of py (<0.5%). Contact - sharp contact 60 from C.A.	1	1	GR	344457	193.30	193.80	0.50	0	-	0.02	-	-
		Alteration Maj:	Type/Style/Intensity			Comment								
		191.30 - 193.80	CB	FRC	4	Carbonatization, Along Fractures, Strong								
		191.30 - 193.80	CB	MX	4	Carbonatization, Matrix, Strong								
		Mineralization Maj. :	Type/Style/%Mineral			Comment								
		191.30 - 193.80	Py	BLB	0.5	Pyrite, Blebs, <0.5%								
193.80	195.75	Fresh Rock 6E Graphitic Argillite/Mafic Volcaniclastic Graphitic Argillite/Mafic Volcaniclastic - black and darkish gray color, black and dark gray color, strongly graphitic and calcite-rich carbonate in matrix as well as strong calcite carbonate in fractures. - contorted and fractured banding 40 to 70 from C.A. with possible slumpage featureds of bedding, scattered calcite fractures up to 4 cm wide avaaeraging 5% for interval. Mineralization - 2% to 20% sulphides with vfg wispy py and po with <1% cpy-sp, upper portion of interval po>py from 193.8 to 194.6 with py>po towards 195.75, up to 2% to 5% in calcite veining with < 1% red sp Contact - gradational decrease in graphite and carbonaceous matrix	1	1	BLK	344458	193.80	194.60	0.80	0	-	0.02	-	-
		344459	194.60	195.00	0.40	0 - 0.02 - -								
		344460	195.00	195.75	0.75	0 - 0.01 - -								
		Alteration Maj:	Type/Style/Intensity			Comment								
		193.80 - 195.75	CB	PV	4	Carbonatization, Pervasive, Strong								
		Mineralization Maj. :	Type/Style/%Mineral			Comment								
		193.80 - 195.75	Sph	DIS	0.5	Sphalerite, Disseminated, <0.5%								

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	193.80 - 195.75	Cpy DIS 0.5			Chalcopyrite, Disseminated, <0.5%									
	193.80 - 195.75	Py DIS 10			Pyrite, Disseminated, 2% to 20% py and po									
195.75	225.90	Fresh Rock 2G Mafic Pillow Flow	1	1	LGR	344461	195.75	196.70	0.95	0	-	0.01	-	-
		Mafic Pillow Flow - light green to green color, mafic composition with variable weak to strong calcite-rich cb alteration in matrix with strong cb content in pillow interstices up to 2 cm wide, weakly chloritic.				344462	196.70	197.75	1.05	0	-	0.01	-	-
		- strongly sheared 35 to 58 from C.A. with an average of 44.6 from C.A., tightly pillow packing as banded texture with cb-rich with chl interstices (5% locally increasing 10% to 20% from 223.75 to 225.9), scattered qcs/cs (<1% to locally 5%)				344463	197.75	199.00	1.25	0	-	0.01	0.01	-
		Mineralization - occasional vfg py-po (up to 1%) with increased frequency of po in up to 2 cm wide cb-rich interstices from 219.45 to 221.9.....overall < 1% po>py, but 5% to 15% po>py in cb-rich interstices.				344464	199.00	200.00	1.00	0	-	0.01	-	-
		Contact - sharp 46 from C.A.				344465	219.45	220.50	1.05	0	-	0.01	-	-
						344466	220.50	221.50	1.00	0	-	0.01	-	-
						344467	221.50	222.00	0.50	0	-	0.01	-	-
						344469	225.40	225.90	0.50	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
	195.75 - 225.90	CB IS 4		Carbonatization, Interstitial, Strong										
	195.75 - 225.90	CB MX 3		Carbonatization, Matrix, Variable Weak to strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	195.75 - 225.90	Po DIS 1		Pyrrhotite, Disseminated, ,1%										
	195.75 - 225.90	Py DIS 1		Pyrite, Disseminated, <1%										

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225.90	227.30	Fresh Rock QTCS Quartz-Carbonate Stockwork W	1	1	LGR	344470	225.90	226.40	0.50	0	-	0.01	-	-
		Quartz-Carbonate Stockwork - light greenish-white and green color, altered and bx/fractured flow/pillow breccia with strong carbonate in interstitial matrix in wk chl/strong cb altered wallrock				344471	226.40	226.90	0.50	0	-	0.01	-	-
		- fractured/brecciated appearance with moderately sheared 45 to 50 from C.A., fractured with 15% to 20% qcs/qcv up to 9 cm wide.				344472	226.90	227.30	0.40	0	-	0.01	-	-
		Mineralization - <1% to 4% vfg disseminated sheared po>py with increased po at upper interval near contact from 225.9 to 226.4 Contact - sharp contact 35 from C.A.												
		Alteration Maj:	Type/Style/Intensity	Comment										
		225.90 - 227.30	CL IS 2	Chloritization, Interstitial, Weak										
		225.90 - 227.30	CB MX 4	Carbonatization, Matrix, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		225.90 - 227.30	Py DIS 1	Pyrite, Disseminated, 1%										
		225.90 - 227.30	Po DIS 2	Pyrrhotite, Disseminated, <1% to 4%										
227.30	301.00	Fresh Rock 2G Sheared & Carbonate Altered Mafic Pill	1	1	GR	344473	227.30	228.10	0.80	0	-	0.01	0.01	-
		Sheared & Carbonate Altered Mafic Pillow Flow - green, light green, and grayish-green colors, altered mafic composition with moderate to strong calcite-rich carbonate alteration in matrix and in fractures				344474	238.75	239.25	0.50	0	-	0.01	-	-
		- sheared pillow texture with both cb-chl and chl-cb rich interstitial matrix selavages about pillows ranging < 1 to 10 cm wide, tightly packed pillows ranging 1 cm to 50 cm wide with a series of black gf bnds up to 9 cm wide from 284.65 to to 285.85 comprising 18% of the interval, strongly sh 43 to 50 from C.A. (average is 45 from C.A.), occasional to scattered qcs < 1% to 5% with 30 cm wide qcs/qcv from 239.25 to 239.55.				344475	239.25	239.55	0.30	0	-	0.01	-	-
						344476	239.55	240.05	0.50	0	-	0.01	-	-
						344477	284.00	284.45	0.45	0	-	0.01	-	-
						344478	284.45	284.95	0.50	0	-	0.01	-	-
						344479	284.95	285.45	0.50	0	-	0.01	-	-
		Mineralization - occasional py and po < 0.5% with locall increase in sulphides in gf bands (<1% to 5% sh py>po)				344481	285.45	285.95	0.50	0	-	0.01	-	-
		Contact - gradationally more reworked volcanoclastic to epiclastic				344482	285.95	287.00	1.05	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										

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	227.30 - 301.00	CL IS 2	Chloritization, Interstitial, Weak to locally moderate in pillow interstitial	344483	294.00	294.60	0.60	0	-	0.01	0.01	-	
				344484	294.60	295.00	0.40	0	-	0.01	-	-	
	227.30 - 301.00	CB FRC 3	Carbonatization, Along Fractures, Moderate to strong	344485	295.00	296.00	1.00	0	-	0.01	-	-	
	227.30 - 301.00	CB MX 3	Carbonatization, Matrix, Moderate to strong	344486	296.00	296.35	0.35	0	-	0.31	-	-	
		Mineralization Maj. :	Type/Style/%Mineral	Comment	344487	296.35	297.00	0.65	0	-	0.01	-	-
	227.30 - 301.00	Po DIS 0.5	Pyrrhotite, Disseminated, <0.5%	344488	297.00	298.00	1.00	0	-	0.01	-	-	
	227.30 - 301.00	Py DIS 0.5	Pyrite, Disseminated, <0.5% with <1% to 5% sh py-po in gf bands	344489	298.00	298.85	0.85	0	-	0.01	-	-	
				344490	298.85	300.00	1.15	0	-	0.01	-	-	
				344491	300.00	301.00	1.00	0	-	0.01	-	-	
301.00	305.40	Fresh Rock 6B Arenaceous-Arenite	1 1 GY	344493	301.00	302.00	1.00	0	-	0.02	-	-	
		Arenite - light gray to grayish-white color, siliceous composition being quartz-feldspathic with gradual increase in more ser with fus (1% to 5%) and decrease in calcite cb towards 305.4		344494	302.00	302.95	0.95	0	-	0.01	-	-	
		- banded/laminated texture 45 to 52 from C.A. with bands up to 5 cm wide, generally < 1% to 5% qcs/qs with variable 22 to 50 from C.A., increased veining to 20% from 302.95 to 303.45.		344495	302.95	303.45	0.50	0	-	0.01	-	-	
		Mineralization - occasional to widely scattered sp-py (<1%) with sheared light red sp occurring as wispy fractures....possible ankerite??		344496	303.45	304.50	1.05	0	-	0.02	-	-	
		Contact - gradational contact		344497	304.50	305.40	0.90	0	-	0.01	-	-	
		Alteration Maj:	Type/Style/Intensity	Comment									
	301.00 - 305.40	FU DISS 2	Fuchsite, Disseminated, Weak										
	301.00 - 305.40	SR BNDS 2	Sericitization, Bands/Banded, Weak to moderate										
		Mineralization Maj. :	Type/Style/%Mineral	Comment									
	301.00 - 305.40	Sph DIS 0.5	Sphalerite, Disseminated, <0.5%										
	301.00 - 305.40	Py DIS 1	Pyrite, Disseminated, <1%										

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305.40	306.70	Fresh Rock QTCS Quartz-Carbonate Stockwork W	1	1	BE	344498	305.40	305.80	0.40	0	-	0.01	0.01	-
		Quartz-Carbonate Stockwork - light beige gray to gray colors, siliceous quartz-feldspathic matrix with moderate to (strong) calcite carbonate, strong pervasive ser with local fus-ank near qv/qcv as spotty alteration				344499	305.80	306.40	0.60	0	-	0.04	-	-
		- fractured with 205 to 25% qv/qcv up to 10-15 cm wide with < 15 to 5% black tourmaline, veining is deformed being boudinaged and forming as lenses, bnded/lam 45 to 55 from C.A., folded with parasitic axial planar (fold axis) 0 from C.A. and main fold 45 from C.A.				344500	306.40	306.70	0.30	0	-	0.05	-	-
		Mineralization - widely scattered aspy and py (<1%) in veining, wallrock, and occasional aspy seam along vn/wr contact, increased frequency of aspy associated with more veining Contact - gradational decrease in qs/qcs veining												
		Alteration Maj:	Type/Style/Intensity		Comment									
		305.40 - 306.70	AK	FRC 3	Ankerite, Along Fractures, Moderate									
		305.40 - 306.70	FU	FRC 3	Fuchsite, Along Fractures, Moderate									
		305.40 - 306.70	SR	FRC 4	Sericitization, Along Fractures, Strong									
		305.40 - 306.70	CB	PV 3	Carbonatization, Pervasive, Moderate									
		Mineralization Maj. :	Type/Style/%Mineral		Comment									
		305.40 - 306.70	Py	DIS 1	Pyrite, Disseminated, <1%									
		305.40 - 306.70	Aspy	DIS 1	Arsenopyrite, Disseminated, <1% in vn, wr, and as seam/fracture									
306.70	308.60	Fresh Rock 6B Carbonate Altered Arenaceous-Arenite	1	1	BE	417851	306.70	307.70	1.00	0	-	0.01	-	-
		Carbonate Altered Arenaceous-Arenite - light dirty beige gray color, arenaceous? with strong calcite-rich cb with sericite; banded and sheared 50 from C.A., 5% qcs parallel to sh; occasional spec/bleb of py < 0.5%.				417852	307.70	308.60	0.90	0	-	0.01	-	-
		Contact - gradational												

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		Alteration Maj:	Type/Style/Intensity	Comment												
	306.70 - 308.60	SR PV 3		Sericitization, Pervasive, Moderate												
	306.70 - 308.60	CB PV 4		Carbonatization, Pervasive, Strong												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
	306.70 - 308.60	Py DIS 0.5		Pyrite, Disseminated, <0.5%												
308.60	309.45	Fresh Rock	QTCS	Quartz-Carbonate Stockwork	1	1	GY	417853	308.60	309.00	0.40	0	-	0.01	-	-
			W					417854	309.00	309.50	0.50	0	-	0.01	-	-
		<p>Quartz-Carbonate Stockwork / Fault Gouge - light gray to gray color, strong pervasive calcite-rich carbonate with 10% to 15% wispy sheared brown ankerite associated with veining; strong sh/banded 45 to 47 from C.A. with numerous fault gouge along sh planes/slips on core terminations parallel to shearing, 10% to 25% qcs/qs parallel to sh 45 to 50 from C.A.; occasional py-po (< 1%).</p> <p>Contact - gradational</p>														
		Alteration Maj:	Type/Style/Intensity	Comment												
	308.60 - 309.45	AK DISS 3		Ankerite, Disseminated & Wispy, Moderate												
	308.60 - 309.45	CB PV 4		Carbonatization, Pervasive, Strong												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
	308.60 - 309.45	Po DIS 1		Pyrrhotite, Disseminated, <1%												
	308.60 - 309.45	Py DIS 1		Pyrite, Disseminated, <1%												

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
309.45	313.80	Fresh Rock 6B Carbonate Altered Arenaceous-Arenite Carbonate Altered Arenaceous-Arenite - similar in description to section from 306.7 to 308.6 with....	1	1	BE	417856	309.50	310.00	0.50	0	-	0.01	-	-
		1) upper contact from 309.5 to 309.8 is flt gouge sh slips along C.A. and broken core				417857	310.00	311.00	1.00	0	-	0.01	-	-
		2) decrease in occasional to scattered qcs < 1% to 3%				417858	311.00	312.00	1.00	0	-	0.01	0.01	-
		3) moderately sheared 44 to 51 from C.A.				417859	312.00	313.00	1.00	0	-	0.01	-	-
		Contact - sharp contact 48 from C.A.				417860	313.00	313.80	0.80	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												
		309.45 - 313.80 CB PV 4 Carbonatization, Pervasive, Strong												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		309.45 - 313.80 Py DIS 0.5 Pyrite, Disseminated, <0.5%												
313.80	315.90	Fresh Rock 6D Silicified-Albitized Arenite/Mafic Volcani Silicified-Albitized Arenite/Mafic Volcaniclastic - light gray to grayish green color, strong sil-(ab) banded alteration with relict mafic interstitial, strong calcite-rich cb and strong sheared and wispy ankerite, spotty bright green fuschite associated with veining.	1	1	GY	417861	313.80	315.00	1.20	0	-	0.01	-	-
		- strong sheared with sil-ab bnds 46 to 48 from C.A.; banded sil-(ab) and msv appearance, vfg, occasional to scattered qcs/qcs < 1%				417862	315.00	315.90	0.90	0	-	0.01	-	-
		Mineralization - occasional py-aspys <0.5%												
		Contact - gradational												
		Alteration Maj: Type/Style/Intensity Comment												
		313.80 - 315.90 CB IS 4 Carbonatization, Interstitial, Strong												
		313.80 - 315.90 AB BNDS 4 Albitization, Bands/Banded, Strong												
		313.80 - 315.90 SI BNDS 4 Silicification, Bands/Banded, Strong												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		313.80 - 315.90 Aspy DIS 0.5 Arsenopyrite, Disseminated, <0.5%												

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<i>From (m)</i>	<i>To (m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au (ppm)</i>	<i>AV Au (ppm)</i>	<i>FA Au (ppm)</i>	<i>FA2 Au (ppm)</i>	<i>FA3 Au (ppm)</i>
	313.80 - 315.90	Py DIS 0.5	Pyrite, Disseminated, <0.5%									
315.90	317.50	Fresh Rock QTCS Quartz-Carbonate Stockwork W	1 1 GY	417863	315.90	316.40	0.50	0	-	0.01	-	-
		Quartz-Carbonate Stockwork - gray, white, and green colors, strongly altered wallrock with an overall moderate cb and moderate to strong sil as bnds and fractures, wk-mod ser with spotty bright green fus (<1% to 5%).		417864	316.40	317.00	0.60	0	-	0.01	-	-
		- strongly fractured wallrock with 25% to 35% qcs trending 24 to 43 from C.A. with axial planar parallel to F.A. with M-shaped folds 0 from C.A., strongly sheared 45 to 50 from C.A., numerous folds/contorted bnding and veining		417865	317.00	317.50	0.50	0	-	0.01	-	-
		Mineralization - occasional to locally scattered py-asy (<1%) Contact - sharp 70 from C.A.										
		Alteration Maj:	Type/Style/Intensity	Comment								
	315.90 - 317.50	FU DISS 2	Fuchsite, Disseminated, Weak									
	315.90 - 317.50	SR MX 3	Sericitization, Matrix, Weak to Moderate									
	315.90 - 317.50	SI BNDS 3	Silicification, Bands/Banded, Moderate to strong									
	315.90 - 317.50	CB PV 3	Carbonatization, Pervasive, Moderate									
		Mineralization Maj. :	Type/Style/%Mineral	Comment								
	315.90 - 317.50	Aspy DIS 0.5	Arsenopyrite, Disseminated, <0.5%									
	315.90 - 317.50	Py DIS 1	Pyrite, Disseminated, <1%									
317.50	317.75	Fresh Rock 2L Silicified-Albitized Mafic Volcaniclastic	1 1 GG	417866	317.50	317.75	0.25	0	-	0.01	-	-
		Silicified-Albitized Mafic Volcaniclastic - similar in description to section from 313.8 to 315.9										

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
		Contact - gradational												
		Alteration Maj:	Type/Style/Intensity	Comment										
		317.50 - 317.75	AK DISS 3	Ankerite, Disseminated, Moderate										
		317.50 - 317.75	CB IS 4	Carbonatization, Interstitial, Strong										
		317.50 - 317.75	AB BNDS 4	Albitization, Bands/Banded, Strong										
		317.50 - 317.75	SI BNDS 4	Silicification, Bands/Banded, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		317.50 - 317.75	Aspy DIS 0.5	Arsenopyrite, Disseminated, <0.5%										
		317.50 - 317.75	Py DIS 0.5	Pyrite, Disseminated, <0.5%										
317.75	321.00	Fresh Rock	2L	Mafic Volcaniclastic										
				1	1	GR								
							417868	317.75	319.00	1.25	0	-	0.01	-
							417869	319.00	320.00	1.00	0	-	0.01	-
							417870	320.00	321.00	1.00	0	-	0.01	-
		Mafic Volcaniclastic - green to dark green color, mafic composition with strong carbonate and weakly chloritic; sheared and banded 45 to 47 from C.A., generally < 1% to 2% qcs with 5% to 10% qcs at lower contact from 320.0 to 321.0; occasional to locally widely scattered disseminated/fracture-fill py-asy < 1%. Contact - gradational												
		Alteration Maj:	Type/Style/Intensity	Comment										
		317.75 - 321.00	CL PV 2	Chloritization, Pervasive, Weak										
		317.75 - 321.00	CB PV 4	Carbonatization, Pervasive, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		317.75 - 321.00	Aspy DIS 1	Arsenopyrite, Disseminated, <1%										
		317.75 - 321.00	Py DIS 1	Pyrite, Disseminated, <1% & as fracture-fill										

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)			
bleb/spec of py (< 1%). Contact - gradational contact																	
		Alteration Maj:	Type/Style/Intensity	Comment													
350.80	351.60	CB	FRC	3	Carbonatization, Along Fractures, Weak to Moderate												
350.80	351.60	CB	MX	3	Carbonatization, Matrix, Weak to Moderate												
350.80	351.60	CL	MX	3	Chloritization, Matrix, Moderate												
		Mineralization Maj. :	Type/Style/%Mineral	Comment													
350.80	351.60	Py	DIS	0.5	Pyrite, Disseminated, <0.5%												
351.60	371.20	Fresh Rock	2B	Mafic Massive to Pillow Flow		1	1	GR	417885	351.60	352.10	0.50	0	-	0.01	-	-
Mafic Massive to Pillow Flow - green to dark green color, mafic composition (Fe-Mg- rich) with mod chl and moderate to strong calcite-rich cb in matrix, selvages, and as fractures																	
- strongly sheared poorly developed pillow sections grading into more massive sections, strongly sh 45 to 56 from C.A. with intense local folding from 357.0 to 358.75 (Z-folds 45 from C.A. and S-folds 2- to 25 from C.A.); local folding at 336.70, <1% to 5% qcs with localized 15% to 20% qcs (up to 4 cm wide) from 363.65 to 364.5 with deformed and detached, boudinaged qs/qv lenses.																	
Mineralization - occasional to widely scattered py < 1% with local 1% py occurring as sh vfg to fg blebs/grains and as minor fracture-filling																	
Contact - sharp contact 50 from C.A.																	
		Alteration Maj:	Type/Style/Intensity	Comment													
351.60	371.20	CL	MX	3	Chloritization, Matrix, Moderate												
351.60	371.20	CB	IS	4	Carbonatization, Pillow Interstitial, Moderate to Strong												
351.60	371.20	CB	FRC	4	Carbonatization, Along Fractures, Moderate to Strong												
351.60	371.20	CB	MX	4	Carbonatization, Matrix, Moderate to Strong												
		Mineralization Maj. :	Type/Style/%Mineral	Comment													
351.60	371.20	Py	DIS	1	Pyrite, Disseminated, <1% & locally up to 1% diss & as minor fractures												

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
371.20	375.85	Fresh Rock 2L Mafic Volcaniclastic-Epiclastic	1	1	GRB	417890	371.20	372.35	1.15	0	-	0.01	-	-
		Mafic Volcaniclastic (Clastic Metasediment Unsubdivided) - greenish-beige and light green color, altered mafic composition with bleaching effect of strong pervasive calcite-rich cb in matrix and as interstitial bands/lenses/seams parallel to sh, numerous cb diffuse and irregular bnds.				417892	372.35	373.35	1.00	0	-	0.01	0.01	-
						417893	373.35	374.30	0.95	0	-	0.01	-	-
		- locall primary bedding at upper and lower intervals 50 from from C.A., strongly sheared 45 to 51 from C.A., < 1% to 5%-10%qcs/cs (up to 1 cm wide) generally parallel to sh.				417894	374.30	375.00	0.70	0	-	0.01	-	-
						417895	375.00	375.85	0.85	0	-	0.01	-	-
		Mineralization - occasional to widely scattered py < 1% Comntact - gradational contact												
		Alteration Maj: Type/Style/Intensity Comment												
		371.20 - 375.85 CB FP 4 Carbonatization, Along Foliation Planes, Strong												
		371.20 - 375.85 CB IS 4 Carbonatization, Interstitial, Strong												
		371.20 - 375.85 CB MX 4 Carbonatization, Matrix, Strong												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		371.20 - 375.85 Py DIS 1 Pyrite, Disseminated, <1%												
375.85	377.30	Fresh Rock QTCS Quartz-Carbonate Stockwork	1	1	BE	417896	375.85	376.50	0.65	0	-	0.01	-	-
		W				417897	376.50	377.00	0.50	0	-	0.01	-	-
		Quartz-Carbonate Stockwork - dirty greenish brown beige color, altered reworked mafic wallrock with strong pervasive calcite-rich cb with weak to moderate sericite with stronger ser towards 377.3 (lower contact) at 377.3.				417898	377.00	377.30	0.30	0	-	0.01	-	-
		- weakly to moderately fractured with 20% to 25% qcs/qs with up to 1% to 5% black tourmaline, qcs and qs up to 13 cm wide, strongly sh/laminated (bedding) 50 to 55 from C.A., wcs/qs generally trend 48 to 52												

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		from C.A., numerous open folds with S and M-parasitic folds 10 to 60 from C.A. (different generations).														
		Mineralization - up to 1% to 3% vfg to fg py-(aspy) generally along vn/wr contact and in qv with increase 1% to 3% py and up to 1% aspy at upper contact, aspy occurs as undeformed xtls.														
		Contact - sharp contact 43 from C.A.														
		Alteration Maj:	Type/Style/Intensity	Comment												
		375.85 - 377.30	SR MX 3	Sericitization, Matrix, Weak to Moderate												
		375.85 - 377.30	CB PV 4	Carbonatization, Pervasive, Strong												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												
		375.85 - 377.30	Aspy DIS 0.5	Arsenopyrite, Disseminated, <0.5% and up to 1% aspy at upper contact												
		375.85 - 377.30	Py DIS 2	Pyrite, Disseminated,<1% to 3% at vn/wr contact and in vns												
377.30	386.00	Fresh Rock	2G	Carbonate-Sericitic Altered Mafic Pillow	1	1	BE	417899	377.30	378.30	1.00	0	-	0.01	-	-
		Carbonate-Sericitic Altered Mafic Pillow Flow (minor Mafic Volcaniclastic) - light bleached creamy beige to dirty light greenish-beige colors, altered mafic composition with moderate to strong cb and ser with gradual decrease in ser towards 386.0.						417900	378.30	379.20	0.90	0	-	0.01	-	-
		- strongly sheared pillow texture with more volcaniclastic in the upper interval from 377.3 to 379.2, sheared 46 to 56 from C.A., < 1% to locally 5% to 10% qcs/cs (< 1 to 1.5 cm wide) with < 1% to 5% black tourmaline in veining.						417901	379.20	379.70	0.50	0	-	0.01	-	-
								417902	379.70	380.20	0.50	0	-	0.01	0.01	-
		Mineralization - overall < 1% widely scattered vfg py-(aspy) with local increase in py up to 5% from 379.7 to 380.7, occurs as disseminated grains in patchy clusters						417904	380.20	380.70	0.50	0	-	0.01	-	-
		Contact - gradational decrease in sericite						417905	380.70	381.20	0.50	0	-	0.01	-	-
								417906	381.20	382.20	1.00	0	-	0.01	-	-
								417907	382.20	383.20	1.00	0	-	0.01	-	-
								417908	383.20	384.20	1.00	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment												
		377.30 - 386.00	SR PV 3	Sericitization, Pervasive, Moderate to Strong												
		377.30 - 386.00	CB PV 3	Carbonatization, Pervasive, Moderate to Strong												
		Mineralization Maj. :	Type/Style/%Mineral	Comment												

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	377.30 - 379.70	Py DIS 1													
	379.70 - 380.70	Py DIS 5													
	380.70 - 386.00	Py DIS 1													
386.00	396.75	Fresh Rock 2G Mafic Pillow Flow-(Volcaniclastic)	1	1	GR	417909	393.70	394.30	0.60	0	-	0.01	-	-	
		Mafic Pillow Flow - grayish green to green color, mafic composition with moderate to strong calcite-rich carbonate, scattered intermittent vfg white disseminated leucoxene (5% to 10%) from 386.0 to 392.2.				417910	396.25	396.75	0.50	0	-	0.01	-	-	
		- pillowed to massive sections with frequent volcaniclastic to hyaloclastite pillow selvages ranging 0.15 to 0.50 m wide, moderately to strongly sh 49 to 55 from C.A., occasional to scattered qcs/qs (up to 5%) with local black tourmaline and pistachio colored epidote patches/fractures, qcs/qs 2 to 3 cm wide and generally parallel to shearing.													
		Mineralization - occasional to locally scattered py < 1%													
		Contact - sharp contact 55 from C.A.													
		Alteration Maj:	Type/Style/Intensity		Comment										
		386.00 - 396.75	LX	DISS	2	Leucoxene, 55 to 10% Disseminated, Weak									
		386.00 - 396.75	CB	PV	3	Carbonatization, Pervasive, Moderate to Strong									
		Mineralization Maj. :	Type/Style/%Mineral		Comment										
		386.00 - 396.75	Py	DIS	1	Pyrite, Disseminated, <1%									

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396.75	400.30	Fresh Rock 6E Argillite-Greywacke Laminated/Banded Argillite and Greywacke - beige to dirty grayish beige colors, argillaceous composition with mod to strong calcite-rich cb and sericitic alteration - well developed laminated/banded texture 45 to 52 from C.A. with strong sh parallel to bnds/lam, local discontinuous parasitic flexures, intermittent increase in qcs/qc (15% to 35%) from 397.6 to 398 (30% to 35%), 398.5 to 399.0 (25% to 30%), and from 399.45 to 400.3 (15% to 20%), qcs/qc varies from 40 to 46 from C.A.. Mineralization - scattered to locally disseminated vfg to fg py varying < 1% to 10% with increased py (3% to 10%) associated with increased qcs/qc (QTCSW), py occurs generally at vn/wr contact and in qcs Contact - gradational	1	1	BE	417911	396.75	397.60	0.85	0	-	0.01	-	-
						417912	397.60	398.00	0.40	0	-	0.01	-	-
						417913	398.00	398.50	0.50	0	-	0.01	-	-
						417914	398.50	399.00	0.50	0	-	0.01	-	-
						417916	399.00	399.45	0.45	0	-	0.01	0.01	-
						417917	399.45	400.30	0.85	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												
		396.75 - 400.30 SR MX 3 Sericitization, Matrix, Moderate to Strong												
		396.75 - 400.30 CB MX 3 Carbonatization, Matrix, Moderate to Strong												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		396.75 - 400.30 Py DIS 5 Pyrite, Disseminated, <1% to 10% (increased py associated with qcs/qc)												
400.30	409.30	Fresh Rock 2G Intercalated Mafic Pillow Flow/Volcanic Intercalated Mafic Pillow Flow/Volcaniclastic - grayish green to light green color, altered mafic composition with strong pervasive calcite-rich cb alteration with wk-(mod) ser with ser decreasing from upper contact; strongly sh with local lam-banded 48 to 52 from C.A., local intermittent qcs (70%) areas ranging up to 10 to 20 cm wide generally parallel to sh; occasional to widely scattered py < 1%. Contact - gradational increase in qcs	1	1	GG	417918	400.30	401.00	0.70	0	-	0.01	-	-
						417919	405.80	406.40	0.60	0	-	0.01	-	-
						417920	406.40	407.00	0.60	0	-	0.01	-	-
						417921	407.00	407.40	0.40	0	-	0.02	-	-
						417922	407.40	408.45	1.05	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment				417923	408.45	409.30	0.85	0	-	0.01	-	-
		400.30 - 409.30 SR PV 2 Sericitization, Pervasive, Weak, Moderate sericite at upper contact												

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	400.30 - 409.30	CB PV 4	Carbonatization, Pervasive, Strong									
	Mineralization Maj. :		Type/Style/%Mineral	Comment								
	400.30 - 409.30	Py DIS 1	Pyrite, Disseminated, <1%									
409.30	411.60	Fresh Rock	QTCS Quartz-Carbonate Stockwork	1	1	GG						
		<p>Quartz-Carbonate Stockwork - grayish green, light green, and white colors, altered mafic composition with strong cb with weak to moderate sericite at upper contact; strongly sh 50 from C.A. with relict preservation of lam/bnds parallel to sh, variable fracturing with 5% to 65% (averages 20% to 25%) qcs/cs (up to 24 cm) with increased qcs from 410.4 to 411.6 (15% to 65%), qcs/cs varies from 57 to 62 from C.A.; occasional to locally disseminated (minor fracture-filling) py varying 1% to 5%, increased py (5%) at vn/wr contact and within qcs/cs.</p> <p>Contact - sharp decrease in qcs</p>										
		Alteration Maj:	Type/Style/Intensity	Comment								
	409.30 - 411.60	SR PV 2	Sericitization, Pervasive, Weak to Moderate at upper contact									
	409.30 - 411.60	CB PV 4	Carbonatization, Pervasive, Strong									
	Mineralization Maj. :		Type/Style/%Mineral	Comment								
	409.30 - 411.60	Py DIS 2	Pyrite, Disseminated and Fracture-Controlled ,1% to 5%									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
411.60	418.90	Fresh Rock 6B Arenaceous-Arenite (Mafic Volcaniclasti	1	1	GY	417929	411.60	412.60	1.00	0	-	0.01	-	-
		Arenaceous-Arenite (Mafic Volcaniclastic) - gray, grayish-white, and grayish-green colors, arenaceous composition with gradual mafic compositional bands from 415.15 to 418.9, arenaceous composition is composed of qtz+fd+ca-cb+ser with strong pervasive ca-rich cb and mod ser in a lam/bnded texture, mafic part of the interval is strong cb with weak chl.				417930	412.60	413.60	1.00	0	-	0.01	-	-
		- finely lam/bnded texture varying 44 to 60 from C.A. with local folding 10 to 20 from C.A. - local S and Z-parasitic folds throughout the interval, sh approximately parallel to lam/bnds, numerous axial planar folds 0 to 60 from C.A.; scattered qcs/qcv with local 30% to 35% from 414.5 to 415.15 within the folded area (fold nose?).				417931	413.60	414.50	0.90	0	-	0.01	-	-
		Mineralization - occasional to widely scattered py-(aspy) < 1%, local 1% py associated with increased veining from 414.5 to 415.15				417932	414.50	415.15	0.65	0	-	0.01	-	-
		Contact - sharp bedded contact 45 from C.A.				417933	415.15	416.15	1.00	0	-	0.01	-	-
		Alteration Maj: Type/Style/Intensity Comment												
		411.60 - 418.90 CL MX 2 Chloritization, Matrix, Weak												
		411.60 - 418.90 SR PV 3 Sericitization, Pervasive, Moderate												
		411.60 - 418.90 CB PV 4 Carbonatization, Pervasive, Strong												
		Mineralization Maj. : Type/Style/%Mineral Comment												
		411.60 - 418.90 Aspy DIS Arsenopyrite, Disseminated, < 1%												
		411.60 - 418.90 Py DIS 1 Pyrite, Disseminated, up to 1%												
418.90	423.10	Fresh Rock 2G Mafic Pillow to Massive Flow	1	1	GR									
		Mafic Pillow to Massive Flow - green to dark green color, mafic composition being mod chl (Fe-Mg) and strong pervasive calcite-rich cb; strongly sh 50 to 60 from C.A. with tightly packed pillows at upper interval grading to more massive towards 423.1, scattered qcs/cs up to 1% to 3%; occasional to widely scattered py < 1%.												
		Contact - sharp contact 41 from C.A. with increased qcs from 422.4 to 423.1 with 5% to 10% qcs												
		Alteration Maj: Type/Style/Intensity Comment												
		418.90 - 423.10 CB PV 4 Carbonatization, Pervasive, Strong												

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	418.90 - 423.10	CL MX 3	Chloritization, Matrix, Moderate										
		Mineralization Maj. :	Type/Style/%Mineral	Comment									
	418.90 - 423.10	Py DIS 1	Pyrite, Disseminated, <1%										
423.10	428.15	Fresh Rock 14B Diabase Dyke	1 1 DGR Diabase Dyke - dark green to greenish black color, mafic composition with weak cb, vfg being aphanitic, scattered calcite-epidote hairline fractures up to 1%, occasional vfg po-py (<1%) and 1% to 3% vfg disseminated magnetite...moderately magnetic										
		Contact - sharp upper and lower chilled contacts with lower contact 50 from C.A.											
		Mineralization Maj. :	Type/Style/%Mineral	Comment									
	423.10 - 428.15	Po DIS 0.5	Pyrrhotite, Disseminated, < 0.5%										
	423.10 - 428.15	Py DIS 0.5	Pyrite, Disseminated, <0.5%										
428.15	443.75	Fresh Rock 2B Mafic Massive to (Pillow) Flow	1 1 GR Mafic Massive to (Pillow) Flow - green, dark green, and greenish-black colors, mafic composition with strong pervasive calcite-rich cb and wk to mod regional chl; strongly sh 50 to 58 from C.A. and generally a massive appearance, poorly developed pillows, scattered qcs/cs with 25% to 30% qcs from 435.0 to 436.0 and occur as folded and deformed qcs; occasional to widely scattered py < 1%.										
		Contact - sharp contact 45 from C.A.			417934	429.90	430.70	0.80	0	-	0.01	-	-
					417935	433.95	434.50	0.55	0	-	0.01	-	-
					417936	434.50	435.00	0.50	0	-	0.01	0.01	-
					417937	435.00	436.00	1.00	0	-	0.01	-	-
					417938	436.00	437.00	1.00	0	-	0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment									
	428.15 - 443.75	CB PV 4	Carbonatization, Pervasive, Strong										
	428.15 - 443.75	CL MX 2	Chloritization, Matrix, Weak to Moderate Regional										

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		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	428.15 - 443.75	Py DIS 0.5		Pyrite, Disseminated, <0.5%										
443.75	446.85	Fresh Rock 14B Diabase Dyke		1	1									
		Diabase Dyke - similar in description to section from 423.1 to 428.15 except more broken up												
		Contact - sharp contact 58 from C.A.												
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	443.75 - 446.85	Po DIS 0.5		Pyrrhotite, Disseminated, <0.5%										
	443.75 - 446.85	Py DIS 0.5		Pyrite, Disseminated, <0.5%										
446.85	449.00	Fresh Rock 2G Mafic Pillow Flow		1	1									
		Mafic Pillow Flow - green color, mafic composition with strong calcite-rich carbonate and weak to moderate chl, strongly sh 45 from C.A. pillow texture; < 1% to 2% qcs/cs, occasional py < 1%												
		Alteration Maj.:	Type/Style/Intensity	Comment										
	446.85 - 449.00	CL MX 2		Chloritization, Matrix, Weak to Moderate Regional										
	446.85 - 449.00	CB PV 4		Carbonatization, Pervasive, Strong										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
	446.85 - 449.00	Py DIS 1		Pyrite, Disseminated, <1%										

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23.00	24.00	1.00	344351	Granodiorite/Tonalite - felsic to intermediate composition, mod/strong ser and wk cb sh fract, < 1% qcs, < 1% py
27.00	27.50	0.50	344352	Granodiorite/Tonalite - felsic to intermediate composition, mod/strong ser and wk cb sh fract, < 1% qcs, < 1% py
27.50	28.10	0.60	344353	Granodiorite/Tonalite - felsic to intermediate composition, strong ser and wk cb sh fract, < 1% qcs, < 1% py
28.10	28.70	0.60	344354	Fault Breccia/QTCSW - strong pervasive sh controlled chl-cb with 15% to 20% qcs lenses, strong bx upper contact, < 1% py
28.70	29.50	0.80	344355	QTSW (Silicified Granodiorite) - strong pervasive sil with relict porp, 20% qs, 1% to 2% py
29.50	30.10	0.60	344356	QTCSW - strong chl-cb sh and fractured controlled, 20% qcs, 1% to 3% vfg disseminated py
30.10	30.40	0.30	344357	QTCSW - strong sil and chl-cb fractures and sh controlled, 125%-30% qcs, ocal tour in vn, 5% to 10% vfg disseminated py
30.40	30.90	0.50	344358	Felsic Crystal Tuff - felsic-(inter) composition with mod pervasive cb and wk-mod ser, xtl tf texture, wk sh, < 1% qcs, scattered py < 1%
30.90	31.40	0.50	344359	Felsic Crystal Tuff - felsic-(inter) composition with mod pervasive cb and wk-mod ser, xtl tf texture, wk sh, < 1% qcs, scattered py < 1%
45.50	46.50	1.00	344360	Arkosic-Wacke - mod hem-cb, mod sh, fractured with 10% to 15% qcs/qs, < 1% py
59.90	60.60	0.70	344361	Fractured Conglomerate/Felsic Xtl Tf - felsic composition with mod ser and wk cb, strongly sh, 15% qcss, < 1% py
63.20	63.70	0.50	344363	Conglomerate/Felsic Xtl Tf - felsic composition with mod ser and wk cb, strongly sh, 2% to 4% qcs, < 1% py
63.70	64.50	0.80	344364	QTSW - mod ser and wk cb, strongly fractured with 20% to 25% qcs, < 1% occassional py
64.50	65.00	0.50	344365	CONGLOMERATE/FELSIC XTL TF - FELSIC COMPOSITION WITH MOD SER AND WK CB, STRONGLY SH, 2% TO 4% QCS, < 1% PY
85.10	85.60	0.50	344366	Conglomerate / Felsic Xtl Tuff - strong hem dusting and wk ser-cb, strongly sh, < 1% qcs and py
85.60	86.35	0.75	344367	Mafic Flow/Volcaniclastic - mod chl-ser and wk cb, <1% qcs and local < 1% aspy
86.35	86.95	0.60	344368	Quartz Stockwork - mod chl-ser and wk cb, 25% qs/qcs, occassional py-asy < 1%
86.95	87.50	0.55	344369	Quartz Stockwork - mod chl-ser and wk cb, 20% qs/qcs, increased ser with qs, 15 to 2% aspy fractures with qs and < 1% py
87.50	88.00	0.50	344370	Weak Quartz Stockwork - mod chl-ser with weak cb, fractured 10% to 15% qs/qcs boud lenses with tour, <1% py-asy
88.00	88.50	0.50	344371	Quartz Stockwork - mod chl-ser with wk cb, 30% qs/qcs, < 1% py-asy
88.50	89.00	0.50	344373	Quartz Stockwork - weak chl-ser-cb, 20% to 25% qs/qcs, < 1% py-asy
89.00	89.40	0.40	344374	Quartz Stockwork - weak chl-ser-cb, 20% to 25% qs/qcs, < 1% py-asy
89.40	89.90	0.50	344375	Mafic Flow/Volcaniclastic - mod chl and wk ser-cb, up to 5% qs/qcs, < 5% py-asy
89.90	90.40	0.50	344376	Quartz Stockwork - mod chl and wk ser-cb, 20% to 25% qs/qcs with local chl-tour in veining, <1% py-asy
90.40	90.80	0.40	344377	Quartz Stockwork -mod ser and wk-mod chl-cb, 105 to 20% qs/qcs, <1% py-asy
90.80	91.80	1.00	344378	Mafic Flow/Volcaniclastic - wk chl-ser-cb, <1% qs/qcs, < 1% py-asy

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91.80	92.25	0.45	344379	Mafic Flow/Volcaniclastic xcut by Tonalite/QP wk chl-ser-cb, <1% qs/qcs, < 1% py-asy
92.25	92.85	0.60	344380	Quartz-Tourmaline Stockwork - strong ep with wkchl-ser-cb, 10% to 20% qts/qs with 5% to 10% disseminated aspy xtls and < 15 py
92.85	93.65	0.80	344381	Weak Quartz Stockwork - wk-mod ser-chl and wk cb, 15% qs/qcs with tour, 1% to 3% aspy xtls with up to 1% py
93.65	94.50	0.85	344382	Mafic Flow/Volcaniclastic - wk-mod cb-chl and wk ser, ser associated with 5% qcs, strongly sh, < 1% py
94.50	95.00	0.50	344383	Mafic Flow/Volcaniclastic - mod ser with wk cb-chl, strongly sh and 5% qcs, <1% py-asy-sp
95.00	96.00	1.00	344385	Mafic Flow/Volcaniclastic - mod ser & wk chl-cb, strongly sh and folded, 5% to 10% qcs, < 1% py
96.00	97.00	1.00	344386	Mafic Flow/Volcaniclastic - mod to strong ser-cb and wk chl, strongly sh and folded, < 1% qcs, < 1% py
97.00	98.00	1.00	344387	Mafic Flow/Volcaniclastic - mod to strong ser, mod cb and wk chl, strongly sh and folded, <1% qcs and py-asy
98.00	99.00	1.00	344388	Mafic Flow/Volcaniclastic - mod to strong ser-cb and wk chl, strongly sh and folded, < 1% qcs, < 1% py-asy
99.00	100.00	1.00	344389	Mafic Flow/Volcaniclastic - mod to strong ser-cb and wk chl, strongly sh and folded, < 1% qcs, < 1% py-asy
100.00	101.00	1.00	344390	Mafic Flow/Volcaniclastic - mod to strong ser & mod-cb and wk chl, strongly sh and folded, < 1% qcs, < 1% py-asy
101.00	102.00	1.00	344391	Mafic Flow/Volcaniclastic - strong ser-cb and wk chl, strongly sh, < 1% qcs, < 1% py-asy
102.00	103.00	1.00	344392	Mafic Flow/Volcaniclastic - strong ser-cb and wk chl, numerous calcite hyaloclastite interstices, strongly sh, < 1% qcs, < 1% py-asy
103.00	104.00	1.00	344393	Mafic Flow/Volcaniclastic - strong ser-cb and wk chl, numerous calcite hyaloclastite interstices, strongly sh, < 1% qcs, < 1% py-asy
104.00	104.50	0.50	344394	Mafic Flow/Volcaniclastic - strong ser-cb and wk chl, numerous calcite hyaloclastite interstices, strongly sh, < 1% qcs, < 1% py-asy
104.50	105.10	0.60	344395	QTCSW - strong ser-cb, strongly fractured and sheared, 25% to 30% QCS, < 1% py
105.10	105.95	0.85	344397	Mafic Massive Flow-(Volcaniclastic) - strong ser-cb with numerous cb bnds, 5% qcs, < 1% py
105.95	106.50	0.55	344398	QTCSW - strong ser-cb bnds, 25% qcs/qs, <1% py and 2% to 4% in local chert bnds
106.50	107.00	0.50	344399	QTCSW - strong ser-cb bnds, 20%-25% qcs/qs, <1% py and 1% to 2% in local chert bnds
107.00	107.50	0.50	344400	QTCSW - strong ser-cb, 25% qcs with 1% to 5% tour, < 1% py
107.50	108.20	0.70	344401	QTCSW - strong ser-cb, 25%-30% qcs with 1% to 5% tour, < 1% py
108.20	108.70	0.50	344402	Mafic Pillow/Massive Flow - mod to strong ser & strong cb, sh, 5% qcs parallel to sh, <1% py-asy
108.70	109.20	0.50	344403	Mafic Pillow/Massive Flow - mod to strong ser & strong cb, sh, 10%-15% qcs parallel to sh, <1% py-asy
109.20	110.20	1.00	344404	Mafic Pillow/Massive Flow - mod to strong ser & strong cb, sh, 10%-15% qcs parallel to sh, <1% py-asy
110.20	110.75	0.55	344405	Mafic Pillow/Massive Flow - mod to strong ser & strong cb, sh, 5% qcs parallel to sh, <1% occasional py-asy
110.75	111.90	1.15	344406	Mafic Pillow/Massive Flow - strong cb bnds, local mod ser, numerous ca-rich cb bnds, < 5% qcs/cs, < 1% py

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111.90	113.00	1.10	344407	Mafic Pillow/Massive Flow - strong cb, wk ser, numerous ca-rich cb bnds, < 1%- 5% qcs/cs, < 1% py
113.00	114.00	1.00	344409	Mafic Pillow Flow - strong cb, wk ser, numerous ca-rich cb bnds, sh, <1%-2% qcs/cs, < 1% py
114.00	115.00	1.00	344410	Mafic Pillow Flow - strong cb, wk ser, numerous ca-rich cb bnds, sh, <5% qcs/cs, < 1% py
115.00	116.00	1.00	344411	Mafic Pillow Flow - strong cb, wk ser, numerous ca-rich cb bnds, sh, <5% qcs/cs, < 1% py
116.00	117.00	1.00	344412	Mafic Pillow Flow - strong cb, wk ser, numerous ca-rich cb bnds, sh, <3%-5% qcs/cs, < 1% py
117.00	118.00	1.00	344413	Mafic Pillow Flow - strong cb, wk ser, numerous ca-rich cb bnds, sh, <2%-4% qcs/cs, < 1% py
118.00	119.00	1.00	344414	Mafic Pillow Flow - strong cb, wk ser, numerous ca-rich cb bnds, sh, <1%-2% qcs/cs, < 1% py
119.00	119.70	0.70	344415	Mafic Pillow Flow - strong cb & mod chl, strongly sh, 15%-20% qcs, < 1% py
119.70	120.55	0.85	344416	MAFIC PILLOW FLOW - mod chl-cb, strongly sh, 1%-2% qcs, < 1% py
120.55	121.50	0.95	344417	MAFIC PILLOW FLOW - mod chl-cb, 5% to 10% cb interstices bnds, strongly sh, <1% qcs and py
121.50	122.50	1.00	344418	Mafic Pillow Flow - mod chl-cb, cb fract and < 1% qcs, strongly sh, < 1% py
122.50	123.40	0.90	344419	Mafic Pillow Flow - mod chl-cb, cb fract and < 1% to 3% qcs, strongly sh, < 1% py
123.40	124.40	1.00	344421	Mafic Pillow Flow - mod chl-cb, strongly sh, up to 1% qcs/cs, occasional py < 1%
124.40	125.40	1.00	344422	Mafic Pillow Flow - mod chl-cb, strongly sh, well developed pillows, <1% qcs/cs, 1% to 2% py-(aspy)
125.40	126.40	1.00	344423	Mafic Pillow Flow - mod chl-cb, strongly sh, well developed pillows, <1% qcs/cs, 1% py-(aspy)
126.40	127.40	1.00	344424	Mafic Pillow Flow - mod chl-cb, strongly sh, well developed pillows, <2%-3% qcs/cs, <1% py
127.40	128.40	1.00	344425	Mafic Pillow Flow - mod chl-cb, strongly sh, well developed pillows, <1% qcs/cs, <1% py
128.40	129.20	0.80	344426	Mafic Pillow Flow - mod chl-cb, strongly sh, well developed pillows, <5%-10% qcs/cs, 1%-3% py-(aspy)
129.20	129.70	0.50	344427	Mafic Pillow Flow - mod chl-cb, strongly sh, well developed pillows, <1% qcs/cs, <1% py
137.70	138.20	0.50	344428	Mafic Pillow/Massive Flow - strong cb and wk-mod ser, strongly sh and <1% qcs, <1% py
138.20	138.70	0.50	344429	QTCSW - strong cb and wk-mod ser, sh/fract 40% to 50% qcs up to 20 cm wide, 1% to 2% py-po-(sp)
138.70	139.20	0.50	344430	QTCSW - mod ser and wk-mod cb, sh and fract, 15% qcs, 1%-2% py and < 1% po
139.20	139.75	0.55	344431	QTCSW - mod ser and wk cb, strong cb fract, sh and fract with 35% to 40% qcs, 2%-3% fract/diss py and 2% po and < 1% gn/arg with sulphides in both vn and wr
139.75	140.30	0.55	344433	QTCSW - mod ser and wk cb, sh and fract with 20% qcs, 1% to 2% diss/fract seams of py with < 1% po-sp
140.30	141.25	0.95	344434	Sheared Mafic Pillow Flow -mod ser and wk cb, strongly sh, 2% to 3% qcs, < 1% py
141.25	141.65	0.40	344435	QTCSW - mod ser and wk cb, sh and fractured pillow flow with 30% qcs with tour, < 1% py

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141.65	142.15	0.50	344436	QTCSW - mod ser and wk cb, sh and fractured pillow flow with 25% to 30% qcs with tour, < 1% py
142.15	143.00	0.85	344437	Mafic Pillow Flow -strong cb and wk-mod ser, sh and <1% qcs, < 1% py
143.00	144.00	1.00	344438	Mafic Pillow Flow - mod ser and wk cb, sh and 5% to 7% qcs, < 1% py-po
151.20	151.70	0.50	344439	Mafic Pillow Flow Breccia - wk-mod pervasive cb-(ser), sh and weakly fractured, 5% qcs/cs, < 1% py
151.70	152.20	0.50	344440	Mafic Pillow Flow Breccia - strong cb-(ser) with numerous ca-rich cb interstices (20-30%), sh and weakly fractured, <1% to 5% qcs/cs, < 1% py
152.20	152.70	0.50	344441	Mafic Pillow Flow Breccia - strong cb-(ser) with numerous ca-rich cb interstices (20-30%), sh and weakly fractured, <1% to 5% qcs/cs, < 1% occasional py
152.70	153.20	0.50	344442	Graphitic Mafic Pillow Flow Breccia/Volcaniclastics - strongly graphitic with weak cb, strongly fractured with 20% qcs/cs. Tight parasitic folding, <1% to 2% py
153.20	154.20	1.00	344443	Weakly Graphitic Mafic Pillow Breccia - wk-mod cb and weakly gf, numerous ca-rich cb interstices, <1% to 5% qcs/cs, < 1% to 2% wispy py and sp
154.20	154.75	0.55	344445	Mafic Pillow Flow Breccia - strong cb with cb-rich interstices (30%), wk local gf, strongly sh, <1% to 5% qcs/cs, <1% py
154.75	155.35	0.60	344446	Weak to Moderate Graphitic Mafic Pillow Flow Breccia - strong cb with cb-rich interstices (30%), wk to mod local gf, strongly sh, <1% to 5% qcs/cs, <1% py
155.35	156.35	1.00	344447	Mafic Pillow Flow - strong pervasive cb, strongly sh, < 1% qcs and py
175.00	175.55	0.55	344448	Mafic Pillow Flow - wk-mod cb, strong cb fractures, pillow texture, < 1% qcs and py
175.55	176.10	0.55	344449	QTCSW - strong pervasive cb with mod gf and bio, 25% to 30% qcs, 10% to 20% po, 5% py, and < 1% cpy-sp
176.10	176.60	0.50	344450	Mafic Pillow Flow - mafic composition with wk cb-chl, vfg and msv, < 1% qcs/cs and py
183.00	184.00	1.00	344451	Mafic Massive Flow - mafic composition with strong per cb, vfg and msv, <1% to 3% qcs, occasional py < 1%
184.00	185.25	1.25	344452	Mafic Massive Flow - mafic composition with strong per cb, vfg and msv, <1% to 2%# qcs, occasional py < 1% with increase in pyrite to 1% scattered sh grains at lower contact
185.25	185.55	0.30	344453	Quartz-Carbonate Vein - qtz-cb composition with mafic inclusions, <1% py in vn and 1% to 2% in FW wallrock
185.55	186.70	1.15	344454	Mafic Massive Flow - strong cb with weak sil-chl, bleached sections, <1% to 3% qcs, < 1% occasional py
186.70	187.20	0.50	344455	Diabase - mafic composition, vfg with numerous hairline fractures with chl, 2% to 3% qcs, 2% to 3% vfg layered disseminated py
193.30	193.80	0.50	344457	Mafic Massive Flow - altered mafic composition with strong pervasive cb, vfg and msv, 5% to 10% lx, <1% qcs and py
193.80	194.60	0.80	344458	Graphitic Argillite - strong pervasive gf-cb, contorted and disrupted, 1% to 2% qcs, 10% to 20% vfg po, 5% py, and < 1% aspy
194.60	195.00	0.40	344459	Fractured Graphitic Argillite - strong gf and cb, 25% qcs with 5% to 7% in vn, overall 5% py, 1% to 2% po, and < 1% cpy-sp
195.00	195.75	0.75	344460	Graphitic Argillite - strong cb and mod-strong gf, bnded/lam, < 1% to 2% qcs, 2% to 3% scattered py
195.75	196.70	0.95	344461	Mafic Pillow Flow - strong pervasive cb, strongly sh, <1% to 2% qcs/cs, < 1% py
196.70	197.75	1.05	344462	Mafic Pillow Flow - mod to strong sh-controlled cb, strongly sh, <1% to 2% qcs/cs, < 1% py
197.75	199.00	1.25	344463	Mafic Pillow Flow -numerous ca-rich cb interstices and bx texture, strongly sh, up to 1% qcs/cs, < 1% py

SAMPLE DESCRIPTION REPORT

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Hole Number **BEN15-07**

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
199.00	200.00	1.00	344464	Mafic Pillow Flow - strong pervasive cb, scattered cb interstitial and 2% to 3% cs/qcs, strongly sh, < 1% py
219.45	220.50	1.05	344465	Mafic Pillow Flow - strong pervasive cb in matrix and fracture-fill, strongly sheared, <1% to 5% cs/qcs, overall <1% po>py...4 thin (<2 cm wide) with 5% to 10% po>py
220.50	221.50	1.00	344466	Mafic Pillow Flow - strong pervasive cb, strongly sh with < 1% to 2% qcs/cs, <1% po/py
221.50	222.00	0.50	344467	Mafic Pillow Flow - strong pervasive cb in matrix/fracture-fill, <1% qcs/cs and < 1% po-py with 1 thin 2 seam of 5% to 10% po>py
225.40	225.90	0.50	344469	Mafic Pillow Flow - strong cb & wk ser, strongly sh, < 1% qcs, <1% po-py
225.90	226.40	0.50	344470	Quartz Carbonate Stockwork - strong cb and wk ser, strongly sh, 20% qcs, 2% to 4% diss sh po>py
226.40	226.90	0.50	344471	Mafic Pillow Flow - strong pillow/flow bx with cb-rich interstices, bx texture, 25 to 3% qcs, < 1% py-po
226.90	227.30	0.40	344472	Quartz Carbonate Stockwork - strong cb and wk chl, pillow/flow bx and fractured, 30% to 35% qcs/cs, up to 1% po>py
227.30	228.10	0.80	344473	Mafic Pillow Flow - strong cb and wk chl, strongly sh, numerous cb interstices, up to 1% qcs, <1% py-po
238.75	239.25	0.50	344474	Mafic Pillow Flow - strong pervasive cb/sh, 1% to 2% qcs/cs parallel to sh, < 1% py-po
239.25	239.55	0.30	344475	Quartz-Carbonate Veinlet - qtz-cb composition with numerous chl wr inclusions, wk fractured vn matte, <1% py
239.55	240.05	0.50	344476	Mafic Pillow Flow - strong pervasive cb/sh, <1% qcs/cs parallel to sh, < 1% py-po
284.00	284.45	0.45	344477	Mafic Pillow Flow - strong cb and mod ser, strongly sh, <1% qcs, < 1% py
284.45	284.95	0.50	344478	Mafic Pillow Flow with 8 cm wide Graphitic Band - strong gf-cb with wk-mod ser in pillow flow, 2%to 3% py with red sp in gf bnd, overall < 1% py-sp
284.95	285.45	0.50	344479	Mafic Pillow Flow - strong cb interstices with mod ser, 1% to 2% qcs/cs, occasional py < 1%
285.45	285.95	0.50	344481	Graphitic Bands in Mafic Pillow Flow - strong gf bands with strong cb and wk-mod ser in pillow flow - 2 gf bnds at 4 and 7 cm wide, <1% to 5% qcs/cs, < 1% py
285.95	287.00	1.05	344482	Mafic Pillow Flow - strong cb with wk-mod ser, up to 1% qcs/cs, occasional py < 1%
294.00	294.60	0.60	344483	Mafic Massive-Pillow Flow - mafic composition, strong cb wk-mod chl, wk-mod sh/msv, 1% to 2% qcs/cs, <1% py
294.60	295.00	0.40	344484	Mafic Massive to Pillow Flow - composition, strong cb wk-mod chl, wk-mod sh/msv, 10% qcs/cs, <2% to 3% diss/fracture-fill py-po
295.00	296.00	1.00	344485	Mafic Massive-Pillow Flow - mafic composition, strong cb wk-mod chl, wk-mod sh/msv, 1% to 2% qcs/cs, <1% occasional py
296.00	296.35	0.35	344486	Mafic Massive-Pillow Flow with Arenite band - mafic composition and siliceous feldspathic 9 cm band, strong cb wk-mod chl, wk-mod sh/msv, up to 1% qcs/cs, 5% diss/fracture-fill py-(po) in arnt bnd
296.35	297.00	0.65	344487	Mafic Massive-Pillow Flow - mafic composition, strong cb wk-mod chl, wk-mod sh/msv, <1% qcs/cs, <1% py
297.00	298.00	1.00	344488	Mafic Massive-Pillow Flow - mafic composition, strong cb wk-mod chl, wk-mod sh/msv, 5% qcs/cs, <1% py-po
298.00	298.85	0.85	344489	Mafic Massive to Pillow Flow - mafic composition with strong cb and weak chl, wk/mod sh, msv, 2% to 4% qcs, < 1% py-po
298.85	300.00	1.15	344490	Mafic Pillow Flow - strong per cb, sh, 2% to 4% qcs and < 1% py
300.00	301.00	1.00	344491	Mafic Pillow Flow - strong per cb, sh, up to 1% qcs and < 1% py

SAMPLE DESCRIPTION REPORT

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
301.00	302.00	1.00	344493	Arenite - siliceous composition being qtz-fd, mod per cb, lam/bd, 2% to 3% qcs, <1% py-sp diss and fracture
302.00	302.95	0.95	344494	Arenite - siliceous composition being qtz-fd, wk to mod per cb, lam/bd, <1% to 2% qcs, <1% py-sp diss and fracture
302.95	303.45	0.50	344495	Arenite - siliceous composition being qtz-fd, wk to mod per cb, lam/bd, 20% folded qcs, <1% py-sp
303.45	304.50	1.05	344496	Arenite - wk-mod ank-cb and mod ser with spotty fus, lam.bnded, 2% to 3% qcs, < 1% py and sh diss light red sp
304.50	305.40	0.90	344497	Arenite - mod ser-(1%-5% fus) and wk cb, bnded/lam, 2% to 4% qcs, and sh, <1% py-sp
305.40	305.80	0.40	344498	Weak QTCSW - strong ser and mod-strong cb, lam texture with 10% qcs/qs, < 1% py-asp
305.80	306.40	0.60	344499	Quartz Carbonate Stockwork - strong ser and moderate to strong cb, spotty fuschite, 35% to 40% qcv/qv, up to 1% aspy xtls and deams in qv and < 1% py
306.40	306.70	0.30	344500	Quartz Carbonate Stockwork - strong ser and moderate to strong cb, spotty fuschite, 15% to 20% qcs/qs < 1% py-asp
306.70	307.70	1.00	417851	Carboante Altered Arenite - strong cb and mod ser, bnded/sh, 5% qcs, <1% py
307.70	308.60	0.90	417852	Carboante Altered Arenite - strong cb and mod ser, bnded/sh, 5% qcs, <1% py
308.60	309.00	0.40	417853	QTCSW - strong cb and mod ser sh controlled, 20% to 25% qcs, sh gouge flt, < 1% py-asp
309.00	309.50	0.50	417854	Weak QTCSW - strong cb and mod ser sh controlled, 10% to 15% qcs, sh gouge, < 1% py-asp
309.50	310.00	0.50	417856	Carbonate-Altered Arenite/Greywacke - strong pervasive cb, mod ser, strong sh flt gouge broken core, < 1% to 2% qcs, < 1% py-asp
310.00	311.00	1.00	417857	Carbonate-Altered Arenite/Greywacke - strong pervasive cb, wk ser, strong sh and msv, < 1% qcs, < 1% py
311.00	312.00	1.00	417858	Carbonate-Altered Arenite/Greywacke - strong pervasive cb, wk ser, strong sh and msv, < 1% qcs, < 1% py
312.00	313.00	1.00	417859	Carbonate-Altered Arenite/Greywacke - strong pervasive cb, wk ser, strong sh and msv, < 1% to 2% qcs, < 1% py
313.00	313.80	0.80	417860	Carbonate-Altered Arenite/Greywacke - strong pervasive cb, wk ser, strong sh and msv, < 2% to 3% qcs, < 1% py
313.80	315.00	1.20	417861	Silicified Greywacke/Mafic Volcaniclastic - mod to strong sil-(ab) flood bands, mod cb and wk ser with fus, <1% qcs and py-asp
315.00	315.90	0.90	417862	Silicified Greywacke/Mafic Volcaniclastic - mod to strong sil-(ab) flood bands, mod cb and wk-mod ser with fus, <1% qcs and py-asp
315.90	316.40	0.50	417863	QTCSW - mod to strong sil-(ab) and wk-mod cb-ser,spotty fus, fractured with 25%-30% qcs< 1% py-asp
316.40	317.00	0.60	417864	QTCSW - mod to strong sil-(ab) and mod cb and wk-mod ser, spotty fus, fractured with 25%-30% qcs< 1% py-asp
317.00	317.50	0.50	417865	QTCSW - mod to strong sil-(ab) and mod cb and wk-mod ser, spotty fus, fractured with 30%-35% qcs< 1% py-asp
317.50	317.75	0.25	417866	Silicified Mafic Volcaniclastic/Greywacke - mod to strong sil-(ab) and cb, wk-mod ser, spotty fus, < 1% qcs and py-asp
317.75	319.00	1.25	417868	Mafic Volcaniclastic - strong cb and wk chl, bnded/sh, 1% qcs, < 1% py
319.00	320.00	1.00	417869	Mafic Volcaniclastic - strong cb and wk chl, 1% to 2% qcs, < 1% py
320.00	321.00	1.00	417870	Mafic Volcaniclastic - strong cb and wk chl, 5% to 10% qcs, < 1% py

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
321.00	321.80	0.80	417871	Massive Mafic Flow - mafic composition with strong pervasive cb, msv and vfg, < 1% qcs and < 1% py
330.00	331.00	1.00	417872	Massive Mafic Flow - mafic composition, strong per/sh controlled cb & sh, 5% qcs, scattered sh py < 1%
331.00	332.00	1.00	417873	Massive Mafic Flow - mafic composition, strong per/sh controlled cb & sh, 3% to 5% qcs, scattered sh py < 1%
332.00	333.00	1.00	417874	Massive Mafic Flow - mafic composition, strong per/sh controlled cb & sh, <1% qcs, scattered sh 2% to 3% py
333.00	334.00	1.00	417875	Massive Mafic Flow - mafic composition, strong per/sh & fract. Controlled cb & sh, 2% to 4% qcs, scattered sh 1% to 3% py
334.00	335.00	1.00	417876	Massive Mafic Flow - mafic composition, strong per/sh & fract. controlled cb & sh, 2% to 3% qcs, scattered sh 2% to 3% py
335.00	336.00	1.00	417877	Massive Mafic Flow - mafic composition, strong per/sh & fract. controlled cb & sh, 5% to 7% qcs, scattered sh 1% to 2% py
336.00	337.00	1.00	417878	Massive Mafic Flow - mafic composition, strong per/sh & fract. controlled cb & sh, 2% to 4% qcs, scattered sh up to 1% py
337.00	338.00	1.00	417880	Massive Mafic Flow - mafic composition, strong per/sh & fract. controlled cb & sh, 5% to 10% qcs, scattered sh 1% to local 5% py
338.00	339.00	1.00	417881	Massive Mafic Flow - mafic composition, strong per/sh & fract. Controlled cb & sh, 2% to 3% qcs, scattered sh <1% py
339.00	340.00	1.00	417882	Massive Mafic Flow - mafic composition, strong per/sh & fract. controlled cb & sh, <1% qcs, scattered sh <1% py
350.30	350.80	0.50	417883	Massive Mafic Flow - mod chl and wk-mod cb, sh/msv, < 1% qcs and py
350.80	351.60	0.80	417884	QTCSW - mod chl and wk-mod cb, fractured with 20% deformed/detached qcs lenses veinlets, < 1% py
351.60	352.10	0.50	417885	Massive Mafic Flow - mod chl and wk-mod cb, sh/msv, < 1% to 3% qcs and <1% py
363.15	363.65	0.50	417886	Massive Mafic Flow - mod-strong cb and mod chl, sh and 1% to 2% qcs, <1% py
363.65	363.95	0.30	417887	QTCSW - mod to strong cb and mod chl, sh & strong fractured with 35% to 45% deformed/detached qcs lenses, up to 1% py
363.95	364.50	0.55	417888	Massive Mafic Flow - mod-strong cb and mod chl, sh and 10% qcs, <1% py
364.50	365.00	0.50	417889	Massive Mafic Flow - mod-strong cb and mod chl, sh and 1% to 5% qcs, <1% py
371.20	372.35	1.15	417890	Mafic Volcaniclastic - strong per/sh controlled cb, wk chl, strongly sh, <1% to 5% qcs, < 1% py
372.35	373.35	1.00	417892	Mafic Volcaniclastic - strong per/sh controlled cb, wk chl, strongly sh, 5% qcs parallel to sh, < 1% py
373.35	374.30	0.95	417893	Mafic Volcaniclastic - strong per/sh controlled cb, wk chl, strongly sh, <1% qcs, < 1% py
374.30	375.00	0.70	417894	Mafic Volcaniclastic - strong per/sh controlled cb, wk ser-chl, strongly sh, <5% to 7% qcs, < 1% py
375.00	375.85	0.85	417895	Mafic Volcaniclastic - strong cb with mod ser and wk chl, strongly sh with 5% to 10% qcs/qs parallel to sh, up to 1% scattered py
375.85	376.50	0.65	417896	QTCSW - strong cb with mod ank-ser, sh and fractured with 25% to 30% qcs with tour, up to 1% to 3% py and 1% aspy
376.50	377.00	0.50	417897	QTCSW - strong cb with mod to sytrong ser, sh and fractured with 20% to 25% qcs with tour, up to 1% py with occasional spy and 1% aspy
377.00	377.30	0.30	417898	Wk QTCSW - strong cb and moderate to strong ser, strongly sh and wk fractured with 5% to 10% qcs with tour parallel to sh, < 1% py-(aspy)

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
377.30	378.30	1.00	417899	Carbonate-Sericitic Altered Mafic Pillow Flow/Volcaniclastic - mod to strong cb-ser, strongly sh/lam, 2% to 4% qcs with tour, <1% py-asy
378.30	379.20	0.90	417900	Carbonate-Sericitic Altered Mafic Pillow Flow/Volcaniclastic - mod to strong cb-ser, strongly sh/lam, <1% qcs with tour, <1% py-asy
379.20	379.70	0.50	417901	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, strongly sh, 10% qcs with tour, up to 1% py-asy Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, strongly sh, fractured 10% qcs/cs with tour, up
379.70	380.20	0.50	417902	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, strongly sh, 10% to 12% qcs/cs with tour, <1% to 2% py-asy Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, strongly sh, fractured 10% -12% qcs/cs with tour
380.20	380.70	0.50	417904	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, cherty strong sil lam/sil flooding, strongly sh, 5% qcs/qs, <1% to local 5% py in altered wr
380.70	381.20	0.50	417905	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, strongly sh, <1% qcs/qs, up to 1% py
381.20	382.20	1.00	417906	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb-ser, strongly sh, 2% to 3% qcs/qs, <1% py
382.20	383.20	1.00	417907	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb & mod ser, strongly sh, 5% qcs/qs, <1% py
383.20	384.20	1.00	417908	Carbonate-Sericitic Altered Mafic Pillow Flow - mod to strong cb & mod ser, strongly sh, 2%-4% qcs/qs, <1% py
393.70	394.30	0.60	417909	Mafic Volcaniclastic/Hyaloclastite - strong cb, well developed bnding, strongly sh, pillow interstitial, 10% qcs, up to 1% scattered py
396.25	396.75	0.50	417910	Mafic Pillow Flow - strong cb, msv, mod sh, <1% qcs, < 1% py
396.75	397.60	0.85	417911	Argillite/Greywacke - strong per cb and mod/strong ser, lam/bnded/sh, 1% to 2% thin qcs, up to 1% sh py
397.60	398.00	0.40	417912	QTCSW (Argillite/Greywacke) - strong per cb and mod/strong ser, strongly fractured with 30% to 35% qcs/qs, 5% to 10% py at vn/wr contact and in vn
398.00	398.50	0.50	417913	Argillite/Greywacke - strong per cb and ser, lam/bnded/sh, up to 1% qcs/qs, 1%-2% sh py
398.50	399.00	0.50	417914	QTCSW (Argillite/Greywacke) - strong per cb and mod/strong ser, strongly fractured with 25% to 30% qcs/qs, 3% to 4% disseminated py mostly in wr and some at vn/wr contact and in qcs
399.00	399.45	0.45	417916	Argillite/Greywacke - strong per cb and ser, lam/bnded/sh, up to 1%-2% qcs/qs, 1% sh py
399.45	400.30	0.85	417917	Wk QTCSW/Argillite/Greywacke - strong per cb and ser in bnds, fractured 15% to 20% qcs/qs with relict lam/bnds, sh, 1% to 3% scattered py
400.30	401.00	0.70	417918	Mafic Pillow Flow - strong cb and wk-mod ser, strongly sh pil texture, 1% to 2% qcs, < 1% py
405.80	406.40	0.60	417919	Mafic Pillow Flow/Volcaniclastic - strong cb and wk ser, sh and wk fractured, 10% to 15% qcs with tour, up to 1% py
406.40	407.00	0.60	417920	Mafic Pillow Flow/Volcaniclastic - strong cb and wk ser, sh and < 1% to 2% qcs/cs, < 1% py
407.00	407.40	0.40	417921	QTCSW/Mafic Pillow Flow/Volcaniclastic - strong cb and wk ser, strongly fractured and veined with 25% qcs/cs, < 1% py
407.40	408.45	1.05	417922	Mafic Pillow Flow/Volcaniclastic - strong cb and wk ser, sh and wk fractured <5% to 10% qcs/cs, < 1% py
408.45	409.30	0.85	417923	Mafic Pillow Flow/Volcaniclastic - strong cb and wk ser, sh and < 5% qcs/cs, < 1% py
409.30	410.00	0.70	417924	Fractured Mafic Volcaniclastic/Epiclastic - strong cb and wk-mod ser, sh and fractured 5% to 10% qcs, sh, up to 1% py
410.00	410.40	0.40	417925	Fractured Mafic Volcaniclastic/Epiclastic - strong cb and wk ser, sh and fractured 5% to 10% qcs, sh, 2% to 3% sh py-(aspy) in wr and vn/wr and in vn

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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
410.40	410.95	0.55	417926	QTCSW - strong cb and wk ser, strongly fractured with 60% to 65% qcs/cs, <1% to 5% py replacement wr and along vn/wr and in vn, increased py in vn areas
410.95	411.60	0.65	417928	QTCSW - strong cb and wk ser, sh and fractured with 15% to 20% qcs with increased vn at lower interval, up to 1% py with 25 to 3% py in veined structures
411.60	412.60	1.00	417929	Arenite/Mafic Volcaniclastic - strong cb & wk-mod ser, lam and sh, 2% to 3% qcs, < 1% py
412.60	413.60	1.00	417930	Arenite/Mafic Volcaniclastic - strong cb & wk-mod ser, lam and sh, 1% to 2% qcs, < 1% py
413.60	414.50	0.90	417931	Arenite/Mafic Volcaniclastic - strong cb & wk-mod ser, lam and sh, 2% qcs, < 1% py
414.50	415.15	0.65	417932	QTCSW - strong cb and wk ser, folded lam/bnds and fractured with 30% to 35% qcs/qcv, up to 1% py and <1% aspy xtl in wr adjacent to veining
415.15	416.15	1.00	417933	Mafic Volcaniclastic/Arenite - strong cb, lam/bnded and strongly sh, 5% qcs, < 1% py
429.90	430.70	0.80	417934	Massive Mafic/Pillow Flow - mafic composition, strong cb and wk-mod chl, msv, < 1% qcs, < 1% py
433.95	434.50	0.55	417935	Massive Mafic Flow - strong cb and mod chl, sh and 5% qcs/cs, < 1% py
434.50	435.00	0.50	417936	Massive Mafic Flow - strong cb and wk-mod chl, 5% to 10% qcs/cs, sh, < 1% py
435.00	436.00	1.00	417937	QTCSW (Massive Mafic Flow) - strong cb and wk-mod chl, sh and folded and deformed qcs ranging 20% to 25% qcs, up to 1% py
436.00	437.00	1.00	417938	Massive Mafic Flow - strong cb and weak to moderate chl, numerous cb lenses, strongly sh, <1% to 5% qcs/cs, < 1% py

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

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Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
23.00	24.00	1.00	344351	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.00	27.50	0.50	344352	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27.50	28.10	0.60	344353	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.10	28.70	0.60	344354	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28.70	29.50	0.80	344355	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29.50	30.10	0.60	344356	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.10	30.40	0.30	344357	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.40	30.90	0.50	344358	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30.90	31.40	0.50	344359	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.50	46.50	1.00	344360	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
59.90	60.60	0.70	344361	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63.20	63.70	0.50	344363	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
63.70	64.50	0.80	344364	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64.50	65.00	0.50	344365	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.10	85.60	0.50	344366	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85.60	86.35	0.75	344367	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86.35	86.95	0.60	344368	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86.95	87.50	0.55	344369	ActLabs	240	14-Jan-16	1	-	0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87.50	88.00	0.50	344370	ActLabs	240	14-Jan-16	0	-	0.09	0.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.00	88.50	0.50	344371	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88.50	89.00	0.50	344373	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.00	89.40	0.40	344374	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.40	89.90	0.50	344375	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
89.90	90.40	0.50	344376	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.40	90.80	0.40	344377	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.80	91.80	1.00	344378	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91.80	92.25	0.45	344379	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.25	92.85	0.60	344380	ActLabs	240	14-Jan-16	0	-	0.08	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92.85	93.65	0.80	344381	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
93.65	94.50	0.85	344382	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
94.50	95.00	0.50	344383	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95.00	96.00	1.00	344385	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.00	97.00	1.00	344386	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97.00	98.00	1.00	344387	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
98.00	99.00	1.00	344388	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
99.00	100.00	1.00	344389	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100.00	101.00	1.00	344390	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
101.00	102.00	1.00	344391	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102.00	103.00	1.00	344392	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
103.00	104.00	1.00	344393	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104.00	104.50	0.50	344394	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104.50	105.10	0.60	344395	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105.10	105.95	0.85	344397	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105.95	106.50	0.55	344398	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
106.50	107.00	0.50	344399	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107.00	107.50	0.50	344400	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107.50	108.20	0.70	344401	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108.20	108.70	0.50	344402	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108.70	109.20	0.50	344403	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
109.20	110.20	1.00	344404	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110.20	110.75	0.55	344405	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110.75	111.90	1.15	344406	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111.90	113.00	1.10	344407	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
113.00	114.00	1.00	344409	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.00	115.00	1.00	344410	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
115.00	116.00	1.00	344411	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
116.00	117.00	1.00	344412	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
117.00	118.00	1.00	344413	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
118.00	119.00	1.00	344414	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
119.00	119.70	0.70	344415	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
119.70	120.55	0.85	344416	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120.55	121.50	0.95	344417	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
121.50	122.50	1.00	344418	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
122.50	123.40	0.90	344419	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
123.40	124.40	1.00	344421	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124.40	125.40	1.00	344422	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125.40	126.40	1.00	344423	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126.40	127.40	1.00	344424	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127.40	128.40	1.00	344425	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128.40	129.20	0.80	344426	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129.20	129.70	0.50	344427	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137.70	138.20	0.50	344428	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.20	138.70	0.50	344429	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.70	139.20	0.50	344430	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139.20	139.75	0.55	344431	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139.75	140.30	0.55	344433	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140.30	141.25	0.95	344434	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
141.25	141.65	0.40	344435	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
141.65	142.15	0.50	344436	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142.15	143.00	0.85	344437	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
143.00	144.00	1.00	344438	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151.20	151.70	0.50	344439	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151.70	152.20	0.50	344440	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152.20	152.70	0.50	344441	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152.70	153.20	0.50	344442	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153.20	154.20	1.00	344443	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154.20	154.75	0.55	344445	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154.75	155.35	0.60	344446	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155.35	156.35	1.00	344447	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
175.00	175.55	0.55	344448	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)	
175.55	176.10	0.55	344449	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
176.10	176.60	0.50	344450	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183.00	184.00	1.00	344451	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
184.00	185.25	1.25	344452	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
185.25	185.55	0.30	344453	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
185.55	186.70	1.15	344454	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
186.70	187.20	0.50	344455	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193.30	193.80	0.50	344457	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
193.80	194.60	0.80	344458	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194.60	195.00	0.40	344459	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195.00	195.75	0.75	344460	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195.75	196.70	0.95	344461	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
196.70	197.75	1.05	344462	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
197.75	199.00	1.25	344463	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199.00	200.00	1.00	344464	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
219.45	220.50	1.05	344465	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
220.50	221.50	1.00	344466	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
221.50	222.00	0.50	344467	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
225.40	225.90	0.50	344469	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
225.90	226.40	0.50	344470	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
226.40	226.90	0.50	344471	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
226.90	227.30	0.40	344472	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
227.30	228.10	0.80	344473	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
238.75	239.25	0.50	344474	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
239.25	239.55	0.30	344475	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
239.55	240.05	0.50	344476	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
284.00	284.45	0.45	344477	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
284.45	284.95	0.50	344478	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
284.95	285.45	0.50	344479	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
285.45	285.95	0.50	344481	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
285.95	287.00	1.05	344482	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
294.00	294.60	0.60	344483	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
294.60	295.00	0.40	344484	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295.00	296.00	1.00	344485	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
296.00	296.35	0.35	344486	ActLabs	240	14-Jan-16	0	-	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
296.35	297.00	0.65	344487	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
297.00	298.00	1.00	344488	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298.00	298.85	0.85	344489	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
298.85	300.00	1.15	344490	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300.00	301.00	1.00	344491	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
301.00	302.00	1.00	344493	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302.00	302.95	0.95	344494	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
302.95	303.45	0.50	344495	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
303.45	304.50	1.05	344496	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
304.50	305.40	0.90	344497	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305.40	305.80	0.40	344498	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
305.80	306.40	0.60	344499	ActLabs	240	14-Jan-16	0	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306.40	306.70	0.30	344500	ActLabs	240	14-Jan-16	0	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
306.70	307.70	1.00	417851	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
307.70	308.60	0.90	417852	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
308.60	309.00	0.40	417853	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309.00	309.50	0.50	417854	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
309.50	310.00	0.50	417856	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
310.00	311.00	1.00	417857	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
311.00	312.00	1.00	417858	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
312.00	313.00	1.00	417859	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313.00	313.80	0.80	417860	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
313.80	315.00	1.20	417861	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315.00	315.90	0.90	417862	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315.90	316.40	0.50	417863	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
316.40	317.00	0.60	417864	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317.00	317.50	0.50	417865	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317.50	317.75	0.25	417866	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
317.75	319.00	1.25	417868	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319.00	320.00	1.00	417869	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
320.00	321.00	1.00	417870	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321.00	321.80	0.80	417871	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
330.00	331.00	1.00	417872	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
331.00	332.00	1.00	417873	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
332.00	333.00	1.00	417874	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
333.00	334.00	1.00	417875	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
334.00	335.00	1.00	417876	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
335.00	336.00	1.00	417877	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
336.00	337.00	1.00	417878	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
337.00	338.00	1.00	417880	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
338.00	339.00	1.00	417881	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
339.00	340.00	1.00	417882	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350.30	350.80	0.50	417883	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
350.80	351.60	0.80	417884	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
351.60	352.10	0.50	417885	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
363.15	363.65	0.50	417886	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
363.65	363.95	0.30	417887	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
363.95	364.50	0.55	417888	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
364.50	365.00	0.50	417889	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
371.20	372.35	1.15	417890	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
372.35	373.35	1.00	417892	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
373.35	374.30	0.95	417893	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
374.30	375.00	0.70	417894	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
375.00	375.85	0.85	417895	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
375.85	376.50	0.65	417896	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
376.50	377.00	0.50	417897	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
377.00	377.30	0.30	417898	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
377.30	378.30	1.00	417899	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
378.30	379.20	0.90	417900	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
379.20	379.70	0.50	417901	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
379.70	380.20	0.50	417902	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
380.20	380.70	0.50	417904	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
380.70	381.20	0.50	417905	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
381.20	382.20	1.00	417906	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
382.20	383.20	1.00	417907	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
383.20	384.20	1.00	417908	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
393.70	394.30	0.60	417909	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
396.25	396.75	0.50	417910	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
396.75	397.60	0.85	417911	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
397.60	398.00	0.40	417912	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
398.00	398.50	0.50	417913	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
398.50	399.00	0.50	417914	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
399.00	399.45	0.45	417916	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
399.45	400.30	0.85	417917	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400.30	401.00	0.70	417918	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
405.80	406.40	0.60	417919	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406.40	407.00	0.60	417920	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
407.00	407.40	0.40	417921	ActLabs	240	14-Jan-16	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
407.40	408.45	1.05	417922	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408.45	409.30	0.85	417923	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409.30	410.00	0.70	417924	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410.00	410.40	0.40	417925	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410.40	410.95	0.55	417926	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410.95	411.60	0.65	417928	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
411.60	412.60	1.00	417929	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)	
412.60	413.60	1.00	417930	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
413.60	414.50	0.90	417931	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
414.50	415.15	0.65	417932	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
415.15	416.15	1.00	417933	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
429.90	430.70	0.80	417934	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
433.95	434.50	0.55	417935	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
434.50	435.00	0.50	417936	ActLabs	240	14-Jan-16	0	-	0.01	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
435.00	436.00	1.00	417937	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
436.00	437.00	1.00	417938	ActLabs	240	14-Jan-16	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

QUALITY CONTROL REPORT

Hole Number **BEN15-07**

Project: **BENNEWEIS**

Project Number: **240**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)	
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)		Au (ppm)
344362	STANDARD		OREAS 204	ActLabs	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344372	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344384	STANDARD		OREAS 206	ActLabs	-	-	2.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344396	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344408	STANDARD		OREAS 501	ActLabs	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344420	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344432	STANDARD		OREAS 504	ActLabs	-	-	1.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344444	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344456	STANDARD		OREAS 204	ActLabs	-	-	1.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344468	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344480	STANDARD		OREAS 206	ActLabs	-	-	2.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344492	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417855	STANDARD		OREAS 501	ActLabs	-	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417867	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417879	STANDARD		OREAS 504	ActLabs	-	-	1.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417891	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417903	STANDARD		OREAS 204	ActLabs	-	-	1.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417915	BLKDIA			ActLabs	-	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417927	STANDARD		OREAS 206	ActLabs	-	-	2.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged:			
Target:				
Comment: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			Coordinate - Gemcom	Coordinate - UTM
			East: 440600	East: 0
			North: 5270485	North: 0
			Elev.: 407	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0.00	355.00	-50.50	0	0	0		C	<input checked="" type="checkbox"/>	
2.00	354.70	-50.50	0	0	0	55198.7	MS	<input checked="" type="checkbox"/>	
8.00	354.70	-50.40	0	0	0	55391.1	MS	<input checked="" type="checkbox"/>	
14.00	355.50	-50.90	0	0	0	55372.1	MS	<input checked="" type="checkbox"/>	
17.00	355.50	-50.80	0	0	0	55371.6	MS	<input checked="" type="checkbox"/>	
20.00	356.40	-50.40	0	0	0	55276.2	MS	<input checked="" type="checkbox"/>	
23.00	356.40	-50.50	0	0	0	55323	MS	<input checked="" type="checkbox"/>	
26.00	357.20	-50.40	0	0	0	55192.5	MS	<input checked="" type="checkbox"/>	
29.00	356.70	-50.20	0	0	0	55172	MS	<input checked="" type="checkbox"/>	
32.00	357.20	-50.10	0	0	0	55323.7	MS	<input checked="" type="checkbox"/>	
74.00	357.50	-50.00	0	0	0	58213.3	MS	<input checked="" type="checkbox"/>	
77.00	358.80	-49.90	0	0	0	55333.3	MS	<input checked="" type="checkbox"/>	
86.00	358.70	-49.80	0	0	0	57766.8	MS	<input checked="" type="checkbox"/>	
89.00	355.80	-49.60	0	0	0	54893.9	MS	<input checked="" type="checkbox"/>	
92.00	353.60	-49.80	0	0	0	55236.6	MS	<input checked="" type="checkbox"/>	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged:			
Target:				
Comment: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			Coordinate - Gemcom	Coordinate - UTM
			East: 440600	East: 0
			North: 5270485	North: 0
			Elev.: 407	Elev.: 0
			Coordinate - Local	Coordinate - Local
			East: 0	East: 0
			North: 0	North: 0
			Elev.: 0	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
95.00	358.30	-49.60	0	0	0	54010.6	MS	☑	
98.00	359.50	-49.40	0	0	0	58994.8	MS	☑	
101.00	1.80	-49.90	0	0	0	54671.3	MS	☑	
104.00	359.20	-49.10	0	0	0	56255.8	MS	☑	
107.00	1.10	-49.50	0	0	0	56550	MS	☑	
143.00	359.50	-49.50	0	0	0	55611.7	MS	☑	
146.00	358.90	-49.40	0	0	0	55537.7	MS	☑	
149.00	358.40	-49.30	0	0	0	55433.8	MS	☑	
152.00	359.00	-49.20	0	0	0	55371	MS	☑	
155.00	1.40	-49.30	0	0	0	55602.8	MS	☑	
158.00	1.50	-48.90	0	0	0	55800.4	MS	☑	
164.00	1.00	-48.80	0	0	0	55568.4	MS	☑	
167.00	0.90	-49.30	0	0	0	55672.3	MS	☑	
173.00	1.10	-49.00	0	0	0	55679.5	MS	☑	
176.00	1.30	-48.70	0	0	0	55640.2	MS	☑	
179.00	1.10	-48.70	0	0	0	55686.2	MS	☑	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other	
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD	
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois	
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach	
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:	
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:	
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes	
Township: ST.LOUIS	Plugged:				
Target:					
Comment:	Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area		Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local
			East: 440600	East: 0	East: 0
			North: 5270485	North: 0	North: 0
			Elev.: 407	Elev.: 0	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
182.00	0.00	-49.00	0	0	0	55586.9	MS	☑	
185.00	0.60	-48.70	0	0	0	55577.3	MS	☑	
188.00	0.50	-48.60	0	0	0	55568.7	MS	☑	
191.00	0.60	-48.60	0	0	0	55505.5	MS	☑	
194.00	0.10	-48.60	0	0	0	55561.4	MS	☑	
197.00	359.80	-48.60	0	0	0	55573.3	MS	☑	
200.00	359.60	-48.70	0	0	0	55539.5	MS	☑	
203.00	0.30	-48.30	0	0	0	55542.1	MS	☑	
206.00	0.30	-48.30	0	0	0	55562.5	MS	☑	
209.00	359.60	-48.60	0	0	0	55608.6	MS	☑	
212.00	0.00	-48.60	0	0	0	55588.3	MS	☑	
215.00	0.10	-48.30	0	0	0	55605.1	MS	☑	
218.00	0.80	-48.20	0	0	0	55576.1	MS	☑	
221.00	0.50	-48.20	0	0	0	55582.8	MS	☑	
224.00	0.90	-48.00	0	0	0	55562.1	MS	☑	
227.00	0.50	-48.10	0	0	0	55571.3	MS	☑	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other	
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD	
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois	
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach	
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:	
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:	
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes	
Township: ST.LOUIS	Plugged:				
Target:					
Comment:	Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area		Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local
			East: 440600	East: 0	East: 0
			North: 5270485	North: 0	North: 0
			Elev.: 407	Elev.: 0	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
230.00	0.90	-47.90	0	0	0	55550.3	MS	✓	
233.00	0.80	-47.90	0	0	0	55546.6	MS	✓	
236.00	0.60	-47.90	0	0	0	55488.8	MS	✓	
239.00	0.90	-47.80	0	0	0	55539.7	MS	✓	
242.00	1.00	-47.70	0	0	0	55539.8	MS	✓	
245.00	0.30	-48.20	0	0	0	55557.2	MS	✓	
248.00	0.30	-48.10	0	0	0	55541.6	MS	✓	
251.00	0.30	-48.10	0	0	0	55570.8	MS	✓	
254.00	1.00	-47.80	0	0	0	55551.1	MS	✓	
257.00	0.50	-48.20	0	0	0	55563.6	MS	✓	
260.00	0.70	-47.90	0	0	0	55524.4	MS	✓	
263.00	0.60	-48.10	0	0	0	55555.8	MS	✓	
266.00	0.60	-48.00	0	0	0	55530.8	MS	✓	
269.00	0.80	-48.00	0	0	0	55625.8	MS	✓	
272.00	1.00	-47.80	0	0	0	55603.5	MS	✓	
275.00	0.60	-47.90	0	0	0	55667.5	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged:			
Target:				
Comment: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			Coordinate - Gemcom	Coordinate - UTM
			East: 440600	East: 0
			North: 5270485	North: 0
			Elev.: 407	Elev.: 0
			Coordinate - Local	Coordinate - Local
			East: 0	East: 0
			North: 0	North: 0
			Elev.: 0	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
278.00	1.20	-47.60	0	0	0	55676.1	MS	✓	
281.00	1.50	-47.40	0	0	0	55560.1	MS	✓	
284.00	0.90	-47.80	0	0	0	55579.3	MS	✓	
287.00	1.70	-47.30	0	0	0	55557.6	MS	✓	
290.00	0.80	-47.50	0	0	0	55589.5	MS	✓	
293.00	1.80	-47.30	0	0	0	55549.8	MS	✓	
296.00	1.00	-47.50	0	0	0	55558.4	MS	✓	
299.00	1.70	-47.20	0	0	0	55569.3	MS	✓	
302.00	1.40	-47.30	0	0	0	55592.7	MS	✓	
305.00	1.80	-47.00	0	0	0	55569.1	MS	✓	
308.00	1.60	-47.10	0	0	0	55590.6	MS	✓	
311.00	2.00	-47.00	0	0	0	55569	MS	✓	
314.00	2.20	-47.00	0	0	0	55556.8	MS	✓	
317.00	1.80	-47.10	0	0	0	55526.9	MS	✓	
320.00	1.70	-47.10	0	0	0	55423.5	MS	✓	
323.00	1.20	-47.40	0	0	0	55475	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other	
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD	
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois	
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach	
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:	
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:	
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes	
Township: ST.LOUIS	Plugged:				
Target:					
Comment:	Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area		Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local
			East: 440600	East: 0	East: 0
			North: 5270485	North: 0	North: 0
			Elev.: 407	Elev.: 0	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
326.00	1.30	-47.00	0	0	0	55534	MS	✓	
329.00	1.10	-47.20	0	0	0	55605.6	MS	✓	
332.00	2.00	-46.90	0	0	0	55589.2	MS	✓	
335.00	2.20	-46.90	0	0	0	55578.6	MS	✓	
338.00	2.10	-46.90	0	0	0	55577.9	MS	✓	
341.00	2.20	-46.80	0	0	0	55576	MS	✓	
344.00	1.60	-47.20	0	0	0	55578.8	MS	✓	
347.00	2.40	-46.70	0	0	0	55558.4	MS	✓	
350.00	2.30	-46.60	0	0	0	55558.3	MS	✓	
353.00	1.60	-47.00	0	0	0	55582.7	MS	✓	
356.00	2.50	-46.60	0	0	0	55566.4	MS	✓	
359.00	1.80	-46.70	0	0	0	55593.1	MS	✓	
362.00	2.30	-46.50	0	0	0	55569.3	MS	✓	
365.00	2.50	-46.40	0	0	0	55558.5	MS	✓	
368.00	1.90	-46.80	0	0	0	55578	MS	✓	
371.00	2.40	-46.50	0	0	0	55550.4	MS	✓	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other	
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD	
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois	
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach	
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:	
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:	
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes	
Township: ST.LOUIS	Plugged:				
Target:					
Comment:	Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area		Coordinate - Gemcom	Coordinate - UTM	Coordinate - Local
			East: 440600	East: 0	East: 0
			North: 5270485	North: 0	North: 0
			Elev.: 407	Elev.: 0	Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
374.00	2.70	-46.40	0	0	0	55570.3	MS	☑	
377.00	1.90	-46.40	0	0	0	55547.4	MS	☑	
380.00	2.20	-46.50	0	0	0	55554.5	MS	☑	
383.00	2.10	-46.60	0	0	0	55597.4	MS	☑	
386.00	2.20	-46.40	0	0	0	55547.4	MS	☑	
389.00	2.30	-46.40	0	0	0	55597.9	MS	☑	
392.00	2.10	-46.50	0	0	0	55607.7	MS	☑	
395.00	3.00	-46.10	0	0	0	55573.4	MS	☑	
398.00	3.00	-46.00	0	0	0	55588.8	MS	☑	
401.00	2.80	-46.00	0	0	0	55601	MS	☑	
404.00	2.40	-46.30	0	0	0	55587.8	MS	☑	
407.00	2.50	-46.30	0	0	0	55628.9	MS	☑	
410.00	2.60	-46.00	0	0	0	55624.7	MS	☑	
413.00	3.30	-45.80	0	0	0	55627.2	MS	☑	
416.00	2.50	-46.10	0	0	0	55607.1	MS	☑	
419.00	2.70	-46.20	0	0	0	55643.2	MS	☑	

DRILL HOLE REPORT

Hole Number: **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Drilling	Casing	Core	Location	Other
Azimuth: 355	Length: 3	Dimension: NQ	Claim No.:	Company: IAMGOLD
Dip: -50.5	Pulled:	Diam Chang: no	NTS:	Contractor: Laframbois
Length: 443	Capped: yes	Storage: Klondike Lodge	Hole: SURFACE	Spotted by: Stephen Roach
Started: 25-Nov-15	Cemented: no	Hole Type: DDH	Section:	Surveyed:
Completed: 29-Nov-15	Left in hole: no	Logged by: Adam Waram	Zone: 17	Surveyed by:
Logged: 03-Dec-15	Making water: no	Relog by:	NAD: NAD83	Multi shot su yes
Township: ST.LOUIS	Plugged:			
Target:			Coordinate - Gemcom	Coordinate - UTM
Comment: Testing extension of QTSW (Chester Intrusive) and intersecting NW magnetic break at moderate IP chargeability; also checking out the Timiskaming and mafic metavolcanic contact - in swampy recessive area			East: 440600	East: 0
			North: 5270485	North: 0
			Elev.: 407	Elev.: 0
			Coordinate - Local	East: 0
				North: 0
				Elev.: 0

Deviation Tests

Density Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Easting</i>	<i>Northing</i>	<i>Elevation</i>	<i>Mag. Fie.</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
422.00	2.20	-46.00	0	0	0	55565.9	MS	☑	
425.00	2.90	-46.10	0	0	0	55701.9	MS	☑	
428.00	2.90	-45.90	0	0	0	55659.8	MS	☑	
431.00	3.10	-45.70	0	0	0	55615	MS	☑	
434.00	3.40	-45.60	0	0	0	55518.8	MS	☑	

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
0.00	1.80	OB Overburden Overburden with granitic boulders.	1	1										
1.80	38.20	11C1 Conglomerate (Chester intrusive clast s Interbedded Chester intrusive clast supported conglomerate (85%) and greywacke(15%). Moderately sheared. Green-grey to pinkish grey. Intermediate composition. Fine grained matrix with 50-75% fine grained tonalitic clasts (up to 25cm) that are attenuated generally at a ratio of 1:8 sometimes resulting in banded/laminated texture. Other minor amounts (1-3%) of clasts are also present (fg mafic volcanic). Mod-strong spt magnetism Trace to 1% patchy disseminated PY. Qtz-carb veining (<1%) Mod hem + slfn in fragments, matrix has mod-strong chl + weak carb along fol, chl + carb along fractures. Lower contact with diabase is sharp.	1	1	GY	344116	5.00	6.00	1.00	<0	-	<0.01	-	-
						344117	6.00	7.00	1.00	0	-	0.01	-	-
						344118	25.00	26.00	1.00	<0	-	<0.01	-	-
						344119	26.00	27.00	1.00	<0	-	<0.01	-	-
						344120	33.00	34.00	1.00	<0	-	<0.01	-	-
						344121	35.90	37.00	1.10	<0	-	<0.01	-	-
						344122	37.00	38.20	1.20	<0	-	<0.01	-	-
		Alteration Maj:	Type/Style/Intensity	Comment										
		1.80 - 38.20	SI XN 3	Silicification, Xenoliths, Moderate										
		1.80 - 38.20	HM XN 3	Hematization, Xenoliths, Moderate										
		1.80 - 38.20	CB SP 2	Carbonatization, Along Shear Planes, Weak										
		1.80 - 38.20	CL SP 3	Chloritization, Along Shear Planes, Moderate										
		Mineralization Maj. :	Type/Style/%Mineral	Comment										
		1.80 - 38.20	Py FOL 0.1	Pyrite, Along foliation, 0.1%										
		1.80 - 38.20	Py VN 0.1	Pyrite, Vein-controlled, 0.1%										
		Structure Maj.:	Inte/Type/Core Angle	Comment										
		1.80 - 38.20	M SHRD	Sheared										
		Texture Maj:	Type	Comment										
		1.80 - 38.20	BND	Banded										
		1.80 - 38.20	FG	Fine Grained (<1mm)										
		1.80 - 38.20	HT	Heterogeneous										

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
38.20	42.30	14B Fine-grained Diabase dykes Diabase. Fine (MTC) to medium grained. Massive. Up to 1% diss PY. Chl+carb along fractures. Mod-strongly magnetic. Upper contact with Conglomerate sharp, lower contact with fault breccia/conglomerate sharp.	1	1	BLK									
42.30	51.15	FLTbx Fault Breccia Fault Breccia. Protolith is interbedded Chester intrusive clast supported conglomerate and greywacke. Massive to weakly sheared. Dark grey to pinkish grey. Fine grained matrix with 50-75% fine grained tonalitic clasts (up to 25cm) that are slightly attenuated. Angular clasts are also present, likely a result of faulting, but possibly due to porphyritic dyking. Small sections (up to 15cm) of feldspar porphyritic texture. Non magnetic. Trace to 1% patchy disseminated PY. Qtz-carb veining (<1%) Mod hem + slfn in fragments, matrix has mod-strong chl + weak carb along fol, mod spt slfn and weak spt ep, chl+carb along fractures. Upper contact with diabase is sharp but irregular. Lower contact with diabase is sharp but irregular.	1	1	GY	344123	42.30	43.50	1.20	<0	-	<0.01	-	-
						344125	43.50	45.00	1.50	<0	-	<0.01	-	-
						344126	45.00	46.50	1.50	<0	-	<0.01	-	-
						344127	46.50	48.00	1.50	<0	-	<0.01	-	-
						344128	48.00	49.50	1.50	<0	-	<0.01	-	-
						344129	49.50	51.00	1.50	<0	-	<0.01	-	-

LITHOLOGY REPORT
- Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
51.15	125.70	14B Fine-grained Diabase dykes Diabase. Fine (MTC) to medium grained. Massive. Up to 1% diss PY. Qtz-carb veining (<1%). Chl+carb+ ep along fractures. Mod-strongly magnetic. Upper contact with fault breccia/Conglomerate sharp. Lower contact with Quartz-carbonate stockwork sharp.	1	1	BLK	344130	57.00	58.50	1.50	<0	-	<0.01	-	-
						344131	66.00	67.50	1.50	<0	-	<0.01	-	-
						344132	67.50	69.00	1.50	<0	-	<0.01	-	-
						344133	97.00	97.80	0.80	<0	-	<0.01	-	-
						344134	97.80	98.10	0.30	<0	-	<0.01	<0.01	-
						344135	98.10	99.00	0.90	<0	-	<0.01	-	-
						344137	124.50	125.50	1.00	0	-	0.02	-	-
125.70	130.60	QTCS Quartz-(Carbonate) Stockwork W Quartz-carbonate stockwork zone in carbonate altered and fractured mafic flow. Weak to mod sheared. Faint banded texture with alternating brown grey (85%) and white/cream(15%) bands (up to 10cm). Qtz-carb veining/stockwork (15%) generally parallel to fol but irregular, sometimes boudinaged. Strong carb + mod-strong chl along fol. Trace PY diss and MTV. Non magnetic. Upper contact with diabase is sharp but irregular. Lower contact with diabase is sharp but irregular.	1	1	GG	344138	125.50	126.00	0.50	0	-	0.01	-	-
						344139	126.00	127.00	1.00	<0	-	<0.01	-	-
						344140	127.00	128.00	1.00	<0	-	<0.01	-	-
						344141	128.00	129.00	1.00	<0	-	<0.01	-	-
						344142	129.00	130.00	1.00	<0	-	<0.01	-	-
						344143	130.00	130.60	0.60	<0	-	<0.01	-	-
130.60	135.70	14B Fine-grained Diabase dykes Diabase. Fine (MTC) to medium grained. Massive. Up to 1% diss PY. Qtz-carb veining (<1%). Chl+carb+ ep along fractures. Mod-strongly magnetic. Upper contact with qtz-carb stockwork is sharp but irregular. Lower contact with mafic pillow flow is sharp but irregular.	1	1	BLK	344144	130.60	131.50	0.90	<0	-	<0.01	-	-

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
135.70	154.00	2B Massive Flow (Mafic) Carbonate altered massive mafic flow. Massive to weakly sheared. Some zones may be pillowed but pillows are difficult to see due to strong attenuation and alteration. Qtz-carb veining (1%) generally parallel to fol but irregular, sometimes boudinaged. Trace to 1% PY diss and MTV. Weak to mod carb + mod chl along fol/spt. Non magnetic. Upper contact with diabase is sharp but irregular. Lower contact with fractured, carbonate and silica altered mafic volcanoclastics/flow is gradational.	1	1	GY	344145	135.70	137.00	1.30	<0	-	<0.01	-	-
						344146	137.00	138.00	1.00	<0	-	<0.01	-	-
						344147	138.00	139.00	1.00	<0	-	<0.01	-	-
						344149	139.00	140.00	1.00	<0	-	<0.01	-	-
						344150	140.00	141.00	1.00	<0	-	<0.01	-	-
						344151	141.00	142.00	1.00	<0	-	<0.01	-	-
						344152	142.00	143.00	1.00	<0	-	<0.01	-	-
						344153	143.00	144.00	1.00	<0	-	<0.01	-	-
						344154	144.00	145.00	1.00	<0	-	<0.01	-	-
						344155	145.00	146.00	1.00	<0	-	<0.01	-	-
						344156	146.00	147.00	1.00	<0	-	<0.01	-	-
						344157	147.00	148.00	1.00	<0	-	<0.01	-	-
						344158	148.00	149.00	1.00	<0	-	<0.01	-	-
						344159	149.00	150.00	1.00	<0	-	<0.01	-	-
						344161	150.00	151.00	1.00	<0	-	<0.01	<0.01	-
						344162	151.00	152.00	1.00	<0	-	<0.01	-	-
						344163	152.00	153.00	1.00	<0	-	<0.01	-	-
						344164	153.00	154.00	1.00	<0	-	<0.01	-	-

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
154.00	165.85	2L Volcaniclastic-Epiclastic (Mafic) Fractured, carbonate and silica altered mafic volcanics/flow. Weak-mod sheared with few parasitic folds (Z-folds) evident. Laminated/banded texture with alternating grey (80%) and white/cream (20%-fe-carb rich) bands (up to 5cm). Qtz-carb veining (10-15%) generally parallel to fol but irregular, sometimes boudinaged/folded. Trace PY along fol and MTV. Mod-strong carb along fol, mod-strong pv slfn, weak-mod spt cl. Non magnetic. Upper contact with carbonate altered massive mafic flow is gradational. Lower contact with diabase is sharp but irregular.	1	1	GY	344165	154.00	155.00	1.00	<0	-	<0.01	-	-
						344166	155.00	156.00	1.00	<0	-	<0.01	-	-
						344167	156.00	157.00	1.00	<0	-	<0.01	-	-
						344168	157.00	158.00	1.00	<0	-	<0.01	-	-
						344169	158.00	159.00	1.00	<0	-	<0.01	-	-
						344170	159.00	160.00	1.00	<0	-	<0.01	-	-
						344171	160.00	161.00	1.00	<0	-	<0.01	-	-
						344173	161.00	162.00	1.00	<0	-	<0.01	-	-
						344174	162.00	163.00	1.00	<0	-	<0.01	-	-
						344175	163.00	164.00	1.00	<0	-	<0.01	-	-
						344176	164.00	165.00	1.00	<0	-	<0.01	-	-
						344177	165.00	165.85	0.85	<0	-	<0.01	-	-
165.85	168.70	14B Fine-grained Diabase dykes Diabase. Fine (MTC) to medium grained. Massive. Trace diss PY. Qtz-carb veining (<1%). Chl+carb+ep along fractures. Mod-strongly magnetic. Upper contact with fractured, carbonate and silica altered mafic volcanics/flow is sharp but irregular. Lower contact with mafic pillow flow is sharp but irregular.	1	1	BLK									

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
168.70	230.00	2G <i>Pillow Flows - pillow breccia</i>	1	1	GG	344178	168.70	169.50	0.80	<0	-	<0.01	-	-
<p>Mafic pillow flow with volcanoclastics interflow. Pillows are difficult to see due to strong attenuation resulting in a banded/laminated texture with alternating green-grey (90%-up to 2cm) and white/cream (10%-up to 1mm) bands. Weak to mod shearing. Qtz-carb veining (1-2%) generally parallel to fol but irregular, sometimes boudinaged. Weak-mod carb +mod chl along fol/PV. Trace to 1% PY and trace PO diss and MTV. Non magnetic. Upper contact with diabase sharp but irregular. Lower contact with carbonate altered mafic volcanoclastics/greywacke/argillite is gradational.</p>														
						344179	169.50	171.00	1.50	<0	-	<0.01	-	-
						344180	178.60	180.00	1.40	<0	-	<0.01	-	-
						344181	180.00	180.70	0.70	<0	-	<0.01	-	-
						344182	180.70	181.25	0.55	<0	-	<0.01	-	-
						344183	188.00	188.90	0.90	<0	-	<0.01	-	-
						344185	188.90	189.55	0.65	<0	-	<0.01	<0.01	-
						344186	189.55	191.00	1.45	<0	-	<0.01	-	-
						344187	194.55	195.15	0.60	<0	-	<0.01	-	-
						344188	195.15	196.00	0.85	<0	-	<0.01	-	-
						344189	196.00	197.00	1.00	<0	-	<0.01	-	-
						344190	197.00	198.00	1.00	<0	-	<0.01	<0.01	-
						344191	198.00	199.00	1.00	<0	-	<0.01	-	-
						344192	199.00	200.50	1.50	<0	-	<0.01	-	-
						344193	200.50	202.00	1.50	<0	-	<0.01	-	-
						344194	202.00	203.00	1.00	<0	-	<0.01	-	-
						344195	203.00	204.00	1.00	<0	-	<0.01	-	-
						344197	204.00	205.00	1.00	<0	-	<0.01	-	-
						344198	205.00	206.50	1.50	<0	-	<0.01	-	-
						344199	208.45	209.00	0.55	<0	-	<0.01	-	-
						344200	216.00	217.00	1.00	<0	-	<0.01	-	-
						344201	220.00	221.50	1.50	<0	-	<0.01	-	-
						344202	221.50	223.00	1.50	<0	-	<0.01	-	-
						344203	223.00	224.50	1.50	<0	-	<0.01	-	-
						344204	224.50	226.00	1.50	<0	-	<0.01	-	-
						344205	226.00	227.50	1.50	<0	-	<0.01	-	-
						344206	227.50	229.00	1.50	<0	-	<0.01	-	-

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
						344207	229.00	230.00	1.00	0	-	0.01	-	-
230.00	251.00	2L Volcaniclastic-Epiclastic (Mafic) Carbonate altered mafic volcanoclastics/greywacke/argillite. Mod sheared with few parasitic folds (Z-folds) evident. Laminated/banded texture with alternating brown-grey (85%-up to 1cm) and white/cream (15%-carb rich-up to 1mm) bands. Qtz-carb veining (2-3%) generally parallel to fol but irregular, sometimes boudinaged/folded. Trace PY + ASPY along fol/diss and MTV. Mod-strong carb along fol, weak-mod spt slfn, weak-mod spt/fol chl. Non magnetic. Upper contact with mafic pillow flow with volcanoclastic interflow is gradational. Lower contact with mafic pillow flow gradational.	1	1	GRB	344208	230.00	231.00	1.00	<0	-	<0.01	-	-
						344209	231.00	232.00	1.00	0	-	0.01	-	-
						344210	232.00	233.00	1.00	<0	-	<0.01	-	-
						344211	233.00	234.00	1.00	<0	-	<0.01	-	-
						344213	234.00	235.00	1.00	<0	-	<0.01	-	-
						344214	235.00	236.00	1.00	<0	-	<0.01	-	-
						344215	236.00	237.00	1.00	<0	-	<0.01	-	-
						344216	237.00	238.00	1.00	<0	-	<0.01	-	-
						344217	238.00	239.00	1.00	<0	-	<0.01	-	-
						344218	239.00	240.00	1.00	<0	-	<0.01	-	-
						344219	240.00	241.00	1.00	<0	-	<0.01	-	-
						344220	241.00	242.00	1.00	<0	-	<0.01	-	-
						344221	242.00	243.00	1.00	<0	-	<0.01	-	-
						344222	243.00	244.00	1.00	<0	-	<0.01	-	-
						344223	244.00	245.00	1.00	<0	-	<0.01	-	-
						344225	245.00	246.50	1.50	<0	-	<0.01	-	-
						344226	246.50	248.00	1.50	<0	-	<0.01	-	-
						344227	248.00	249.50	1.50	0	-	0.01	-	-
						344228	249.50	251.00	1.50	<0	-	<0.01	-	-

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**Project: **BENNEWEIS**Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
251.00	281.00	2G <i>Pillow Flows - pillow breccia</i>	1	1	GG	344229	251.00	252.50	1.50	0	-	0.01	-	-
		Mafic pillow to massive flow with volcanoclastics interflow. Pillows are difficult to see due to strong attenuation resulting in a banded/laminated texture with alternating green-grey (90%-up to 2cm) and white/cream (10%-up to 1mm) bands. Weak to mod shearing. Qtz-carb veining (1%) generally parallel to fol but irregular, sometimes boudinaged. Weak-mod carb +mod chl along fol/PV. Trace PY diss and MTV. Non magnetic. Upper contact with carbonate altered mafic volcanoclastics/greywacke/argillite gradational. Lower contact with carbonate altered mafic volcanoclastics/greywacke/argillite is gradational.				344230	252.50	254.00	1.50	<0	-	<0.01	-	-
						344231	254.00	255.50	1.50	0	-	0.01	-	-
						344232	255.50	257.00	1.50	<0	-	<0.01	-	-
						344233	257.00	258.50	1.50	<0	-	<0.01	-	-
						344234	258.50	260.00	1.50	<0	-	<0.01	-	-
						344235	260.00	261.50	1.50	<0	-	<0.01	-	-
						344237	261.50	263.00	1.50	0	-	0.01	-	-
						344238	263.00	264.50	1.50	<0	-	<0.01	-	-
281.00	289.00	2L <i>Volcaniclastic-Epiclastic (Mafic)</i>	1	1	GRB	344239	281.00	282.50	1.50	0	-	0.03	-	-
		Carbonate altered mafic volcanoclastics/arenite/argillite. Mod sheared with few parasitic folds (S-folds) evident. Laminated/banded texture with alternating brown-grey (85%-up to 1cm) and white/cream (15%-carb rich-up to 1mm) bands. Qtz-carb veining (2-3%) generally parallel to fol but irregular, sometimes boudinaged/folded. Trace PY + ASPY along fol/diss and MTV. Mod-strong carb along fol, weak spt slfn, weak-mod spt/fol chl. Non magnetic. Upper contact with mafic pillow to massive flow with volcanoclastic interflow is gradational. Lower contact with massive mafic flow is gradational.				344240	282.50	284.00	1.50	0	-	0.01	-	-
						344241	284.00	285.50	1.50	0	-	0.01	-	-
						344242	285.50	287.00	1.50	0	-	0.03	-	-
						344243	287.00	288.50	1.50	<0	-	<0.01	-	-
289.00	293.00	2B <i>Massive Flow (Mafic)</i>	1	1	GG	344244	288.50	290.00	1.50	<0	-	<0.01	-	-
		Carbonate altered massive mafic flow. Weak to moderately sheared. Some zones may be pillowed but pillows are difficult to see due to strong attenuation and alteration resulting in sections with a banded texture with alternating brown grey (80%-up to 2cm) and white/cream(20%-up to 1mm) bands. Qtz-carb veining (2%) generally parallel to fol but irregular, sometimes boudinaged. Trace PY along fol and MTV. Strong carb + weak ser along fol/spt, weak spt chl. Non magnetic. Upper contact with carbonate altered				344245	290.00	291.50	1.50	0	-	0.01	-	-
						344246	291.50	293.00	1.50	<0	-	<0.01	-	-

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
mafic volcanoclastics/arenite/argillite is gradational. Lower contact with graphitic argillite is sharp but hazy.														
293.00	296.00	6E Argillite-Mudstone-Shale	1	1	GRB	344247	293.00	293.50	0.50	0	-	0.01	-	-
		Graphitic argillite. Greyish black in colour. Altered mafic composition with strong horizons of graphite (70%) up to 1m interbedded with mafic pillow flows (30%). 5-10% PY in and marginal to graphitic horizons. Mod-strong carb+ser along fol, weak-mod chl along fol, weak hem MTV. Qtz-carb veinlets ususally within and marginal to graphite horizons and generally parallel to foliation but irregular. Non magnetic. Upper contact with carbonate altered massive mafic flow is gradational. Lower contact with massive mafic flow is gradational.				344249	293.50	294.00	0.50	0	-	0.01	-	-
			344250	294.00	294.50	0.50	0	-	0.02	0.03	-	-	-	-
			344251	294.50	295.00	0.50	<0	-	<0.01	-	-	-	-	-
			344252	295.00	296.00	1.00	<0	-	<0.01	-	-	-	-	-
296.00	371.55		2B Massive Flow (Mafic)	1	1	GG	344253	296.00	297.00	1.00	<0	-	<0.01	-
		Massive to pillowed mafic flow. Pillows are difficult to see due to strong attenuation resulting in some zones that show slight banded texture with alternating green-grey (90%-up to 4cm) and white/cream (10%-up to 1mm) bands. Massive to weak shearing. Qtz-carb veining (1-2%) generally parallel to fol but irregular, sometimes boudinaged. Weak-mod carb +mod chl along fol/spt. Trace PY diss and MTV. Non magnetic. Upper contact with graphitic argillite gradational. Lower contact with graphitic argillite is sharp.				344254	315.00	316.50	1.50	<0	-	<0.01	-	-
			344255	316.50	318.00	1.50	<0	-	<0.01	-	-	-	-	-
			344256	318.00	319.50	1.50	<0	-	<0.01	-	-	-	-	-
			344257	319.50	321.00	1.50	<0	-	<0.01	-	-	-	-	-
			344258	321.00	322.50	1.50	<0	-	<0.01	-	-	-	-	-
			344259	322.50	324.00	1.50	<0	-	<0.01	-	-	-	-	-
			344261	324.00	325.50	1.50	<0	-	<0.01	-	-	-	-	-
			344262	325.50	327.00	1.50	<0	-	<0.01	-	-	-	-	-

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Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
						344263	327.00	328.50	1.50	<0	-	<0.01	-	-
						344264	328.50	330.00	1.50	<0	-	<0.01	-	-
						344265	345.00	346.00	1.00	<0	-	<0.01	-	-
						344266	347.50	348.25	0.75	<0	-	<0.01	-	-
						344267	352.00	353.00	1.00	<0	-	<0.01	<0.01	-
						344268	353.00	354.00	1.00	<0	-	<0.01	-	-
						344269	355.90	356.75	0.85	<0	-	<0.01	-	-
						344270	356.75	358.00	1.25	<0	-	<0.01	-	-
						344271	358.00	359.50	1.50	<0	-	<0.01	-	-
						344273	359.50	361.00	1.50	<0	-	<0.01	-	-
						344274	370.00	371.00	1.00	<0	-	<0.01	-	-
						344275	371.00	371.50	0.50	<0	-	<0.01	-	-
371.55	371.80	6E Argillite-Mudstone-Shale	1	1	GRBLK	344276	371.50	372.00	0.50	<0	-	<0.01	-	-
		<p>Graphitic argillite. Greyish black in colour. Altered mafic composition with strong horizons of graphite (70%) up to 1m interbedded with mafic pillow flows (30%). 1% diss PY + 5% PY in 1cm band @ lower contact. Mod-strong carb+ser along fol, weak-mod chl along fol, weak hem MTV. Qtz-carb veinlets ususally within and marginal to graphite horizons and generally parallel to foliation but irregular. Non magnetic. Upper contact with massive mafic flow is sharp. Lower contact with pillowed mafic flow is gradational.</p>												

LITHOLOGY REPORT - Detailed -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering</i>	<i>Oxidation</i>	<i>Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV</i> <i>Au</i> (ppm)	<i>FA</i> <i>Au</i> (ppm)	<i>FA2</i> <i>Au</i> (ppm)	<i>FA3</i> <i>Au</i> (ppm)
371.80	439.30	2G <i>Pillow Flows - pillow breccia</i>	1	1	GG	344277	372.00	373.00	1.00	<0	-	<0.01	-	-
		Carbonate and silica altered mafic pillow flow. Pillows are difficult to see due to strong attenuation resulting in a banded/laminated texture with alternating green-grey (90%-up to 2cm) and white/cream (10%-up to 1mm) bands. Weak to mod shearing. Qtz-carb veining (1-3%) generally parallel to fol but irregular, sometimes boudinaged. Qtz-carb stockwork zone from 408-434m with approx 10% veining. Mod-strong carb +mod chl along fol/spt, weak to mod spt/PV slfn. Trace to 1% PY diss and MTV. Non magnetic. Upper contact with graphitic argillite is sharp. Lower contact with diabase is sharp but irregular.				344278	373.00	374.50	1.50	<0	-	<0.01	-	-
						344279	374.50	376.00	1.50	<0	-	<0.01	-	-
						344280	376.00	377.50	1.50	<0	-	<0.01	-	-
						344281	377.50	379.00	1.50	<0	-	<0.01	-	-
						344282	379.00	380.50	1.50	<0	-	<0.01	-	-
						344283	380.50	382.00	1.50	<0	-	<0.01	-	-
						344285	382.00	383.50	1.50	<0	-	<0.01	-	-
						344286	383.50	385.00	1.50	<0	-	<0.01	-	-
						344287	385.00	386.50	1.50	<0	-	<0.01	-	-
						344288	386.50	388.00	1.50	<0	-	<0.01	-	-
						344289	388.00	388.50	0.50	<0	-	<0.01	-	-
						344290	388.50	390.00	1.50	<0	-	<0.01	-	-
						344291	390.00	391.50	1.50	<0	-	<0.01	-	-
						344292	391.50	392.75	1.25	<0	-	<0.01	-	-
						344293	392.75	394.00	1.25	<0	-	<0.01	-	-
						344294	394.00	395.50	1.50	<0	-	<0.01	-	-
						344295	395.50	397.00	1.50	<0	-	<0.01	-	-
						344297	397.00	398.50	1.50	<0	-	<0.01	-	-
						344298	398.50	400.00	1.50	<0	-	<0.01	-	-
						344299	400.00	401.50	1.50	<0	-	<0.01	-	-
						344300	401.50	403.00	1.50	<0	-	<0.01	-	-
						344301	403.00	404.50	1.50	<0	-	<0.01	-	-
						344302	404.50	406.00	1.50	<0	-	<0.01	-	-
						344303	406.00	407.50	1.50	0	-	0.01	-	-
						344304	407.50	408.60	1.10	0	-	0.01	-	-
						344305	408.60	409.30	0.70	<0	-	<0.01	-	-

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Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)
				344306	409.30	410.00	0.70	<0	-	<0.01	-	-
				344307	410.00	411.00	1.00	0	-	0.01	-	-
				344308	411.00	412.00	1.00	0	-	0.01	-	-
				344309	412.00	413.00	1.00	<0	-	<0.01	-	-
				344310	413.00	414.00	1.00	<0	-	<0.01	<0.01	-
				344311	414.00	415.00	1.00	<0	-	<0.01	-	-
				344313	415.00	416.00	1.00	<0	-	<0.01	-	-
				344314	416.00	417.00	1.00	<0	-	<0.01	-	-
				344315	417.00	418.00	1.00	<0	-	<0.01	-	-
				344316	418.00	419.00	1.00	<0	-	<0.01	-	-
				344317	419.00	419.85	0.85	0	-	0.01	-	-
				344318	419.85	420.40	0.55	0	-	0.08	-	-
				344319	420.40	421.90	1.50	<0	-	<0.01	-	-
				344320	421.90	423.00	1.10	<0	-	<0.01	-	-
				344321	423.00	424.00	1.00	<0	-	<0.01	-	-
				344322	424.00	425.00	1.00	<0	-	<0.01	-	-
				344323	425.00	426.00	1.00	<0	-	<0.01	-	-
				344325	426.00	427.00	1.00	<0	-	<0.01	-	-
				344326	427.00	428.00	1.00	<0	-	<0.01	-	-
				344327	428.00	429.00	1.00	<0	-	<0.01	-	-
				344328	429.00	430.00	1.00	<0	-	<0.01	-	-
				344329	430.00	431.00	1.00	<0	-	<0.01	-	-
				344330	431.00	432.00	1.00	<0	-	<0.01	-	-
				344331	432.00	433.00	1.00	<0	-	<0.01	-	-
				344332	433.00	434.00	1.00	<0	-	<0.01	-	-
				344333	434.00	435.00	1.00	<0	-	<0.01	-	-
				344334	435.00	436.50	1.50	<0	-	<0.01	-	-

LITHOLOGY REPORT
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Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> <i>(m)</i>	<i>To</i> <i>(m)</i>	<i>Lithology</i>	<i>Weathering Oxidation Colour</i>			<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Au</i> <i>(ppm)</i>	<i>AV</i> <i>Au</i> <i>(ppm)</i>	<i>FA</i> <i>Au</i> <i>(ppm)</i>	<i>FA2</i> <i>Au</i> <i>(ppm)</i>	<i>FA3</i> <i>Au</i> <i>(ppm)</i>
						344335	436.50	438.00	1.50	<0	-	<0.01	-	-
						344337	438.00	439.30	1.30	<0	-	<0.01	-	-
439.30	443.00	14B <i>Fine-grained Diabase dykes</i> Diabase. Fine (MTC) to medium grained. Massive. Up to 2% diss PY. Chl+carb along fractures. Mod-strongly magnetic. Upper contact with carbonate and silica altered mafic pillow flow is sharp but irregular. EOH	1	1	BLK	344338	439.30	440.50	1.20	<0	-	<0.01	-	-

SAMPLE DESCRIPTION REPORT
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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
5.00	6.00	1.00	344116	
6.00	7.00	1.00	344117	
25.00	26.00	1.00	344118	
26.00	27.00	1.00	344119	
33.00	34.00	1.00	344120	
35.90	37.00	1.10	344121	
37.00	38.20	1.20	344122	
42.30	43.50	1.20	344123	
43.50	45.00	1.50	344125	
45.00	46.50	1.50	344126	
46.50	48.00	1.50	344127	
48.00	49.50	1.50	344128	
49.50	51.00	1.50	344129	
57.00	58.50	1.50	344130	
66.00	67.50	1.50	344131	
67.50	69.00	1.50	344132	
97.00	97.80	0.80	344133	
97.80	98.10	0.30	344134	
98.10	99.00	0.90	344135	
124.50	125.50	1.00	344137	
125.50	126.00	0.50	344138	
126.00	127.00	1.00	344139	
127.00	128.00	1.00	344140	
128.00	129.00	1.00	344141	
129.00	130.00	1.00	344142	
130.00	130.60	0.60	344143	

SAMPLE DESCRIPTION REPORT
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<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
130.60	131.50	0.90	344144	
135.70	137.00	1.30	344145	
137.00	138.00	1.00	344146	
138.00	139.00	1.00	344147	
139.00	140.00	1.00	344149	
140.00	141.00	1.00	344150	
141.00	142.00	1.00	344151	
142.00	143.00	1.00	344152	
143.00	144.00	1.00	344153	
144.00	145.00	1.00	344154	
145.00	146.00	1.00	344155	
146.00	147.00	1.00	344156	
147.00	148.00	1.00	344157	
148.00	149.00	1.00	344158	
149.00	150.00	1.00	344159	
150.00	151.00	1.00	344161	
151.00	152.00	1.00	344162	
152.00	153.00	1.00	344163	
153.00	154.00	1.00	344164	
154.00	155.00	1.00	344165	
155.00	156.00	1.00	344166	
156.00	157.00	1.00	344167	
157.00	158.00	1.00	344168	
158.00	159.00	1.00	344169	
159.00	160.00	1.00	344170	
160.00	161.00	1.00	344171	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
161.00	162.00	1.00	344173	
162.00	163.00	1.00	344174	
163.00	164.00	1.00	344175	
164.00	165.00	1.00	344176	
165.00	165.85	0.85	344177	
168.70	169.50	0.80	344178	
169.50	171.00	1.50	344179	
178.60	180.00	1.40	344180	
180.00	180.70	0.70	344181	
180.70	181.25	0.55	344182	
188.00	188.90	0.90	344183	
188.90	189.55	0.65	344185	
189.55	191.00	1.45	344186	
194.55	195.15	0.60	344187	
195.15	196.00	0.85	344188	
196.00	197.00	1.00	344189	
197.00	198.00	1.00	344190	
198.00	199.00	1.00	344191	
199.00	200.50	1.50	344192	
200.50	202.00	1.50	344193	
202.00	203.00	1.00	344194	
203.00	204.00	1.00	344195	
204.00	205.00	1.00	344197	
205.00	206.50	1.50	344198	
208.45	209.00	0.55	344199	
216.00	217.00	1.00	344200	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
220.00	221.50	1.50	344201	
221.50	223.00	1.50	344202	
223.00	224.50	1.50	344203	
224.50	226.00	1.50	344204	
226.00	227.50	1.50	344205	
227.50	229.00	1.50	344206	
229.00	230.00	1.00	344207	
230.00	231.00	1.00	344208	
231.00	232.00	1.00	344209	
232.00	233.00	1.00	344210	
233.00	234.00	1.00	344211	
234.00	235.00	1.00	344213	
235.00	236.00	1.00	344214	
236.00	237.00	1.00	344215	
237.00	238.00	1.00	344216	
238.00	239.00	1.00	344217	
239.00	240.00	1.00	344218	
240.00	241.00	1.00	344219	
241.00	242.00	1.00	344220	
242.00	243.00	1.00	344221	
243.00	244.00	1.00	344222	
244.00	245.00	1.00	344223	
245.00	246.50	1.50	344225	
246.50	248.00	1.50	344226	
248.00	249.50	1.50	344227	
249.50	251.00	1.50	344228	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
251.00	252.50	1.50	344229	
252.50	254.00	1.50	344230	
254.00	255.50	1.50	344231	
255.50	257.00	1.50	344232	
257.00	258.50	1.50	344233	
258.50	260.00	1.50	344234	
260.00	261.50	1.50	344235	
261.50	263.00	1.50	344237	
263.00	264.50	1.50	344238	
281.00	282.50	1.50	344239	
282.50	284.00	1.50	344240	
284.00	285.50	1.50	344241	
285.50	287.00	1.50	344242	
287.00	288.50	1.50	344243	
288.50	290.00	1.50	344244	
290.00	291.50	1.50	344245	
291.50	293.00	1.50	344246	
293.00	293.50	0.50	344247	
293.50	294.00	0.50	344249	
294.00	294.50	0.50	344250	
294.50	295.00	0.50	344251	
295.00	296.00	1.00	344252	
296.00	297.00	1.00	344253	
315.00	316.50	1.50	344254	
316.50	318.00	1.50	344255	
318.00	319.50	1.50	344256	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
319.50	321.00	1.50	344257	
321.00	322.50	1.50	344258	
322.50	324.00	1.50	344259	
324.00	325.50	1.50	344261	
325.50	327.00	1.50	344262	
327.00	328.50	1.50	344263	
328.50	330.00	1.50	344264	
345.00	346.00	1.00	344265	
347.50	348.25	0.75	344266	
352.00	353.00	1.00	344267	
353.00	354.00	1.00	344268	
355.90	356.75	0.85	344269	
356.75	358.00	1.25	344270	
358.00	359.50	1.50	344271	
359.50	361.00	1.50	344273	
370.00	371.00	1.00	344274	
371.00	371.50	0.50	344275	
371.50	372.00	0.50	344276	
372.00	373.00	1.00	344277	
373.00	374.50	1.50	344278	
374.50	376.00	1.50	344279	
376.00	377.50	1.50	344280	
377.50	379.00	1.50	344281	
379.00	380.50	1.50	344282	
380.50	382.00	1.50	344283	
382.00	383.50	1.50	344285	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
383.50	385.00	1.50	344286	
385.00	386.50	1.50	344287	
386.50	388.00	1.50	344288	
388.00	388.50	0.50	344289	
388.50	390.00	1.50	344290	
390.00	391.50	1.50	344291	
391.50	392.75	1.25	344292	
392.75	394.00	1.25	344293	
394.00	395.50	1.50	344294	
395.50	397.00	1.50	344295	
397.00	398.50	1.50	344297	
398.50	400.00	1.50	344298	
400.00	401.50	1.50	344299	
401.50	403.00	1.50	344300	
403.00	404.50	1.50	344301	
404.50	406.00	1.50	344302	
406.00	407.50	1.50	344303	
407.50	408.60	1.10	344304	
408.60	409.30	0.70	344305	
409.30	410.00	0.70	344306	
410.00	411.00	1.00	344307	
411.00	412.00	1.00	344308	
412.00	413.00	1.00	344309	
413.00	414.00	1.00	344310	
414.00	415.00	1.00	344311	
415.00	416.00	1.00	344313	

SAMPLE DESCRIPTION REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Comments</i>
416.00	417.00	1.00	344314	
417.00	418.00	1.00	344315	
418.00	419.00	1.00	344316	
419.00	419.85	0.85	344317	
419.85	420.40	0.55	344318	
420.40	421.90	1.50	344319	
421.90	423.00	1.10	344320	
423.00	424.00	1.00	344321	
424.00	425.00	1.00	344322	
425.00	426.00	1.00	344323	
426.00	427.00	1.00	344325	
427.00	428.00	1.00	344326	
428.00	429.00	1.00	344327	
429.00	430.00	1.00	344328	
430.00	431.00	1.00	344329	
431.00	432.00	1.00	344330	
432.00	433.00	1.00	344331	
433.00	434.00	1.00	344332	
434.00	435.00	1.00	344333	
435.00	436.50	1.50	344334	
436.50	438.00	1.50	344335	
438.00	439.30	1.30	344337	
439.30	440.50	1.20	344338	

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i>	<i>To</i>	<i>Length</i>	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i>	<i>AV</i>	<i>FA</i>	<i>FA2</i>	<i>FA3</i>	<i>FA4</i>	<i>FA5</i>	<i>SFA</i>	<i>SFA2</i>	<i>SFA3</i>	<i>GA</i>	<i>GA2</i>	<i>GA3</i>	<i>GA4</i>	<i>GA5</i>	<i>AR</i>	<i>AR2</i>	<i>AR3</i>	<i>Wt</i>
(m)	(m)	(m)					(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(kg)
5.00	6.00	1.00	344116	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.00	7.00	1.00	344117	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25.00	26.00	1.00	344118	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26.00	27.00	1.00	344119	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33.00	34.00	1.00	344120	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35.90	37.00	1.10	344121	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37.00	38.20	1.20	344122	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42.30	43.50	1.20	344123	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
43.50	45.00	1.50	344125	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45.00	46.50	1.50	344126	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
46.50	48.00	1.50	344127	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48.00	49.50	1.50	344128	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
49.50	51.00	1.50	344129	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57.00	58.50	1.50	344130	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.00	67.50	1.50	344131	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
67.50	69.00	1.50	344132	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97.00	97.80	0.80	344133	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97.80	98.10	0.30	344134	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
98.10	99.00	0.90	344135	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
124.50	125.50	1.00	344137	ActLabs	SU1501528A	21-Dec-15	0	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125.50	126.00	0.50	344138	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126.00	127.00	1.00	344139	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
127.00	128.00	1.00	344140	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128.00	129.00	1.00	344141	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
129.00	130.00	1.00	344142	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
130.00	130.60	0.60	344143	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
130.60	131.50	0.90	344144	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
135.70	137.00	1.30	344145	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137.00	138.00	1.00	344146	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.00	139.00	1.00	344147	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
139.00	140.00	1.00	344149	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
140.00	141.00	1.00	344150	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
141.00	142.00	1.00	344151	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
142.00	143.00	1.00	344152	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
143.00	144.00	1.00	344153	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.00	145.00	1.00	344154	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145.00	146.00	1.00	344155	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
146.00	147.00	1.00	344156	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
147.00	148.00	1.00	344157	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148.00	149.00	1.00	344158	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149.00	150.00	1.00	344159	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.00	151.00	1.00	344161	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151.00	152.00	1.00	344162	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152.00	153.00	1.00	344163	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153.00	154.00	1.00	344164	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154.00	155.00	1.00	344165	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155.00	156.00	1.00	344166	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156.00	157.00	1.00	344167	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157.00	158.00	1.00	344168	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158.00	159.00	1.00	344169	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159.00	160.00	1.00	344170	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160.00	161.00	1.00	344171	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
161.00	162.00	1.00	344173	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162.00	163.00	1.00	344174	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
163.00	164.00	1.00	344175	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
164.00	165.00	1.00	344176	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
165.00	165.85	0.85	344177	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168.70	169.50	0.80	344178	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
169.50	171.00	1.50	344179	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178.60	180.00	1.40	344180	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
180.00	180.70	0.70	344181	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180.70	181.25	0.55	344182	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
188.00	188.90	0.90	344183	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
188.90	189.55	0.65	344185	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
189.55	191.00	1.45	344186	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194.55	195.15	0.60	344187	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195.15	196.00	0.85	344188	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
196.00	197.00	1.00	344189	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
197.00	198.00	1.00	344190	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198.00	199.00	1.00	344191	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199.00	200.50	1.50	344192	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200.50	202.00	1.50	344193	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202.00	203.00	1.00	344194	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203.00	204.00	1.00	344195	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204.00	205.00	1.00	344197	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205.00	206.50	1.50	344198	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208.45	209.00	0.55	344199	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216.00	217.00	1.00	344200	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
220.00	221.50	1.50	344201	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
221.50	223.00	1.50	344202	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
223.00	224.50	1.50	344203	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
224.50	226.00	1.50	344204	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
226.00	227.50	1.50	344205	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
227.50	229.00	1.50	344206	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
229.00	230.00	1.00	344207	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230.00	231.00	1.00	344208	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
231.00	232.00	1.00	344209	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
232.00	233.00	1.00	344210	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
233.00	234.00	1.00	344211	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
234.00	235.00	1.00	344213	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
235.00	236.00	1.00	344214	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
236.00	237.00	1.00	344215	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
237.00	238.00	1.00	344216	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
238.00	239.00	1.00	344217	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
239.00	240.00	1.00	344218	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240.00	241.00	1.00	344219	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
241.00	242.00	1.00	344220	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
242.00	243.00	1.00	344221	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
243.00	244.00	1.00	344222	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
244.00	245.00	1.00	344223	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
245.00	246.50	1.50	344225	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
246.50	248.00	1.50	344226	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
248.00	249.50	1.50	344227	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
249.50	251.00	1.50	344228	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
251.00	252.50	1.50	344229	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
252.50	254.00	1.50	344230	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
254.00	255.50	1.50	344231	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
255.50	257.00	1.50	344232	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
257.00	258.50	1.50	344233	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
258.50	260.00	1.50	344234	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
260.00	261.50	1.50	344235	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
261.50	263.00	1.50	344237	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
263.00	264.50	1.50	344238	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
281.00	282.50	1.50	344239	ActLabs	SU1501528A	21-Dec-15	0	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
282.50	284.00	1.50	344240	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
284.00	285.50	1.50	344241	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
285.50	287.00	1.50	344242	ActLabs	SU1501528A	21-Dec-15	0	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
287.00	288.50	1.50	344243	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
288.50	290.00	1.50	344244	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
290.00	291.50	1.50	344245	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
291.50	293.00	1.50	344246	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
293.00	293.50	0.50	344247	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
293.50	294.00	0.50	344249	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
294.00	294.50	0.50	344250	ActLabs	SU1501528A	21-Dec-15	0	-	0.02	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
294.50	295.00	0.50	344251	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
295.00	296.00	1.00	344252	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
296.00	297.00	1.00	344253	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
315.00	316.50	1.50	344254	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
316.50	318.00	1.50	344255	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
318.00	319.50	1.50	344256	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
319.50	321.00	1.50	344257	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
321.00	322.50	1.50	344258	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
322.50	324.00	1.50	344259	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
324.00	325.50	1.50	344261	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
325.50	327.00	1.50	344262	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
327.00	328.50	1.50	344263	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
328.50	330.00	1.50	344264	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
345.00	346.00	1.00	344265	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
347.50	348.25	0.75	344266	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
352.00	353.00	1.00	344267	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
353.00	354.00	1.00	344268	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
355.90	356.75	0.85	344269	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
356.75	358.00	1.25	344270	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
358.00	359.50	1.50	344271	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
359.50	361.00	1.50	344273	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
370.00	371.00	1.00	344274	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
371.00	371.50	0.50	344275	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
371.50	372.00	0.50	344276	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
372.00	373.00	1.00	344277	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
373.00	374.50	1.50	344278	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)
374.50	376.00	1.50	344279	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
376.00	377.50	1.50	344280	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
377.50	379.00	1.50	344281	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
379.00	380.50	1.50	344282	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
380.50	382.00	1.50	344283	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
382.00	383.50	1.50	344285	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
383.50	385.00	1.50	344286	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
385.00	386.50	1.50	344287	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
386.50	388.00	1.50	344288	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
388.00	388.50	0.50	344289	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
388.50	390.00	1.50	344290	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
390.00	391.50	1.50	344291	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
391.50	392.75	1.25	344292	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
392.75	394.00	1.25	344293	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
394.00	395.50	1.50	344294	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
395.50	397.00	1.50	344295	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
397.00	398.50	1.50	344297	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
398.50	400.00	1.50	344298	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
400.00	401.50	1.50	344299	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
401.50	403.00	1.50	344300	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
403.00	404.50	1.50	344301	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
404.50	406.00	1.50	344302	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
406.00	407.50	1.50	344303	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
407.50	408.60	1.10	344304	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
408.60	409.30	0.70	344305	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
409.30	410.00	0.70	344306	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
410.00	411.00	1.00	344307	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
411.00	412.00	1.00	344308	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
412.00	413.00	1.00	344309	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
413.00	414.00	1.00	344310	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FULL ANALYTICAL REPORT
- Assay -

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Assay Report (part 1 of 1)

<i>From</i> (m)	<i>To</i> (m)	<i>Length</i> (m)	<i>Sample #</i>	<i>Lab</i>	<i>Certificate #</i>	<i>Date of Certificate</i>	<i>Au</i> (ppm)	<i>AV Au</i> (ppm)	<i>FA Au</i> (ppm)	<i>FA2 Au</i> (ppm)	<i>FA3 Au</i> (ppm)	<i>FA4 Au</i> (ppm)	<i>FA5 Au</i> (ppm)	<i>SFA Au</i> (ppm)	<i>SFA2 Au</i> (ppm)	<i>SFA3 Au</i> (ppm)	<i>GA Au</i> (ppm)	<i>GA2 Au</i> (ppm)	<i>GA3 Au</i> (ppm)	<i>GA4 Au</i> (ppm)	<i>GA5 Au</i> (ppm)	<i>AR Au</i> (ppm)	<i>AR2 Au</i> (ppm)	<i>AR3 Au</i> (ppm)	<i>Wt</i> (kg)	
414.00	415.00	1.00	344311	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
415.00	416.00	1.00	344313	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
416.00	417.00	1.00	344314	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
417.00	418.00	1.00	344315	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
418.00	419.00	1.00	344316	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
419.00	419.85	0.85	344317	ActLabs	SU1501528A	21-Dec-15	0	-	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
419.85	420.40	0.55	344318	ActLabs	SU1501528A	21-Dec-15	0	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
420.40	421.90	1.50	344319	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
421.90	423.00	1.10	344320	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
423.00	424.00	1.00	344321	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
424.00	425.00	1.00	344322	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
425.00	426.00	1.00	344323	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
426.00	427.00	1.00	344325	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
427.00	428.00	1.00	344326	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
428.00	429.00	1.00	344327	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
429.00	430.00	1.00	344328	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
430.00	431.00	1.00	344329	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
431.00	432.00	1.00	344330	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
432.00	433.00	1.00	344331	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
433.00	434.00	1.00	344332	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
434.00	435.00	1.00	344333	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
435.00	436.50	1.50	344334	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
436.50	438.00	1.50	344335	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
438.00	439.30	1.30	344337	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
439.30	440.50	1.20	344338	ActLabs	SU1501528A	21-Dec-15	<0	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

QUALITY CONTROL REPORT

Hole Number **BEN15-08**

Project: **BENNEWEIS**

Project Number: **240**

Sample #	Sample Type	Duplicate of	Standard name	Laboratory	AV	FA	FA2	FA3	FA4	FA5	SFA	SFA2	SFA3	GA	GA2	GA3	GA4	GA5	AR	AR2	AR3	Wt (kg)
					Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	Au (ppm)	
344124	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344136	STANDARD		OREAS 206	ActLabs	-	-	2.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344148	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344160	STANDARD		OREAS 501	ActLabs	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344172	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344184	STANDARD		OREAS 504	ActLabs	-	-	1.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344196	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344212	STANDARD		OREAS 204	ActLabs	-	-	1.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344224	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344236	STANDARD		OREAS 206	ActLabs	-	-	2.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344248	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344260	STANDARD		OREAS 501	ActLabs	-	-	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344272	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344284	STANDARD		OREAS 504	ActLabs	-	-	1.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344296	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344312	STANDARD		OREAS 204	ActLabs	-	-	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344324	BLKDIA			ActLabs	-	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
344336	STANDARD		OREAS 206	ActLabs	-	-	2.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix 2 (Assay Certificates)



Certificate of Analysis

Work Order : SU1501459A

[Report File No.: 000006161]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 13, 2016

P.O. No. : Mining & Exploration - GE_FAA515
Project No. : -
No. Of Samples : 256
Date Submitted : Dec 07, 2015
Report Comprises : Pages 1 to 8
(Inclusive of Cover Sheet)

Distribution of unused material:

To Be Determined:

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .



Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	422745	<0.005
422746	<0.005	N.A.
422747	<0.005	N.A.
422748	<0.005	N.A.
422749	<0.005	N.A.
422750	<0.005	N.A.
422751	<0.005	N.A.
422752	<0.005	N.A.
422753	<0.005	N.A.
422754	<0.005	N.A.
422755	<0.005	N.A.
422756	<0.005	N.A.
422757	<0.005	N.A.
422758	<0.005	<0.005
422759	<0.005	N.A.
422760	0.250	N.A.
422761	<0.005	N.A.
422762	<0.005	N.A.
422763	<0.005	N.A.
422764	<0.005	N.A.
422765	<0.005	N.A.
422766	<0.005	<0.005
422767	<0.005	N.A.
422768	<0.005	N.A.
422769	<0.005	N.A.
422770	<0.005	N.A.
422771	<0.005	N.A.
422772	<0.005	N.A.
422773	<0.005	N.A.
422774	<0.005	N.A.
422775	<0.005	N.A.
422776	<0.005	N.A.
422777	<0.005	N.A.
422778	<0.005	N.A.
422779	<0.005	N.A.
422780	<0.005	N.A.
422781	0.030	N.A.
422782	<0.005	N.A.
422783	<0.005	N.A.
422784	1.502	N.A.

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Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	422785	<0.005
422786	<0.005	N.A.
422787	0.030	N.A.
422788	<0.005	N.A.
422789	<0.005	N.A.
422790	0.009	N.A.
422791	<0.005	N.A.
422792	<0.005	N.A.
422793	<0.005	N.A.
422794	<0.005	N.A.
422795	0.012	N.A.
422796	<0.005	N.A.
422797	<0.005	N.A.
422798	<0.005	N.A.
422799	<0.005	N.A.
422800	<0.005	N.A.
422801	<0.005	N.A.
422802	<0.005	N.A.
422803	<0.005	N.A.
422804	<0.005	N.A.
422805	<0.005	N.A.
422806	0.005	N.A.
422807	<0.005	N.A.
422808	<0.005	N.A.
422809	<0.005	N.A.
422810	<0.005	N.A.
422811	<0.005	N.A.
422812	1.036	N.A.
422813	<0.005	N.A.
422814	0.006	0.006
422815	<0.005	N.A.
422816	<0.005	N.A.
422817	<0.005	N.A.
422818	<0.005	N.A.
422819	<0.005	N.A.
422820	<0.005	N.A.
422821	<0.005	N.A.
422822	<0.005	N.A.
422823	<0.005	N.A.
422824	<0.005	N.A.

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Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	422825	<0.005
422826	<0.005	N.A.
422827	<0.005	N.A.
422828	<0.005	N.A.
422829	<0.005	N.A.
422830	<0.005	N.A.
422831	<0.005	N.A.
422832	<0.005	N.A.
422833	<0.005	N.A.
422834	<0.005	N.A.
422835	<0.005	N.A.
422836	2.317	N.A.
422837	<0.005	N.A.
422838	<0.005	N.A.
422839	<0.005	N.A.
422840	0.005	N.A.
422841	<0.005	N.A.
422842	<0.005	N.A.
422843	<0.005	N.A.
422844	<0.005	<0.005
422845	0.016	N.A.
422846	<0.005	N.A.
422847	<0.005	N.A.
422848	<0.005	N.A.
422849	<0.005	N.A.
422850	<0.005	N.A.
422851	<0.005	N.A.
422852	<0.005	N.A.
422853	<0.005	N.A.
422854	<0.005	N.A.
422855	<0.005	N.A.
422856	<0.005	N.A.
422857	<0.005	N.A.
422858	<0.005	N.A.
422859	<0.005	N.A.
422860	0.249	N.A.
422861	<0.005	N.A.
422862	<0.005	N.A.
422863	<0.005	N.A.
422864	<0.005	N.A.

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Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	422865	<0.005
422866	<0.005	N.A.
422867	<0.005	N.A.
422868	<0.005	N.A.
422869	<0.005	N.A.
422870	<0.005	N.A.
422871	<0.005	N.A.
422872	<0.005	N.A.
422873	<0.005	N.A.
422874	<0.005	N.A.
422875	<0.005	N.A.
422876	<0.005	N.A.
422877	<0.005	N.A.
422878	<0.005	N.A.
422879	<0.005	N.A.
422880	<0.005	N.A.
422881	<0.005	N.A.
422882	<0.005	N.A.
422883	<0.005	N.A.
422884	1.459	N.A.
422885	<0.005	N.A.
422886	<0.005	N.A.
422887	<0.005	N.A.
422888	<0.005	N.A.
422889	<0.005	N.A.
422890	<0.005	N.A.
422891	<0.005	N.A.
422892	<0.005	N.A.
422893	<0.005	N.A.
422894	<0.005	N.A.
422895	0.005	N.A.
422896	<0.005	<0.005
422897	0.007	N.A.
422898	<0.005	N.A.
422899	0.005	N.A.
422900	<0.005	N.A.
422901	<0.005	N.A.
422902	<0.005	N.A.
422903	0.005	N.A.
422904	0.009	N.A.

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Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
422905	0.022	N.A.
422906	<0.005	N.A.
422907	<0.005	N.A.
422908	<0.005	N.A.
422909	<0.005	N.A.
422910	<0.005	N.A.
422911	0.018	N.A.
422912	1.003	N.A.
422913	<0.005	<0.005
422914	<0.005	N.A.
422915	<0.005	N.A.
422916	0.007	N.A.
422917	<0.005	N.A.
422918	<0.005	N.A.
422919	<0.005	N.A.
422920	<0.005	N.A.
422921	<0.005	N.A.
422922	<0.005	N.A.
422923	<0.005	N.A.
422924	<0.005	N.A.
422925	<0.005	N.A.
422926	<0.005	N.A.
422927	<0.005	N.A.
422928	<0.005	N.A.
422929	<0.005	N.A.
422930	<0.005	N.A.
422931	<0.005	N.A.
422932	<0.005	N.A.
422933	<0.005	N.A.
422934	0.007	N.A.
422935	<0.005	N.A.
422936	2.228	N.A.
422937	<0.005	N.A.
422938	<0.005	N.A.
422939	<0.005	N.A.
422940	<0.005	N.A.
422941	<0.005	N.A.
422942	0.005	N.A.
422943	<0.005	N.A.
422944	<0.005	N.A.

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Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	422945	<0.005
422946	0.007	N.A.
422947	0.009	N.A.
422948	<0.005	N.A.
422949	<0.005	N.A.
422950	0.005	N.A.
422951	0.005	N.A.
422952	<0.005	N.A.
422953	<0.005	N.A.
422954	<0.005	N.A.
422955	<0.005	N.A.
422956	<0.005	N.A.
422957	<0.005	<0.005
422958	<0.005	N.A.
422959	<0.005	N.A.
422960	0.249	N.A.
422961	<0.005	N.A.
422962	<0.005	N.A.
422963	<0.005	N.A.
422964	<0.005	N.A.
422965	<0.005	N.A.
422966	0.006	N.A.
422967	<0.005	N.A.
422968	0.008	N.A.
422969	<0.005	N.A.
422970	<0.005	N.A.
422971	0.008	N.A.
422972	<0.005	N.A.
422973	<0.005	N.A.
422974	<0.005	N.A.
422975	<0.005	<0.005
422976	<0.005	N.A.
422977	<0.005	N.A.
422978	<0.005	N.A.
422979	<0.005	N.A.
422980	<0.005	N.A.
422981	<0.005	N.A.
422982	<0.005	N.A.
422983	<0.005	N.A.
422984	1.577	N.A.

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Final : SU1501459A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006161

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
422985	<0.005	<0.005
422986	<0.005	N.A.
422987	<0.005	N.A.
422988	<0.005	N.A.
422989	0.005	N.A.
422990	0.010	N.A.
422991	<0.005	N.A.
422992	<0.005	N.A.
422993	<0.005	N.A.
422994	<0.005	N.A.
422995	<0.005	N.A.
422996	<0.005	N.A.
422997	<0.005	N.A.
422998	<0.005	N.A.
422999	<0.005	N.A.
423000	0.019	N.A.
*Blk BLANK	<0.005	N.A.
*Std OREAS-206	2.258	N.A.
*Std OXD108	0.416	N.A.
*Dup 422803	<0.005	N.A.
*Std OREAS-203	0.887	N.A.
*Dup 422837	<0.005	N.A.
*Blk BLANK	<0.005	N.A.
*Dup 422849	<0.005	N.A.
*Std OREAS-203	0.876	N.A.
*Blk BLANK	<0.005	N.A.
*Std OREAS-206	2.199	N.A.
*Std OXD108	0.416	N.A.
*Dup 422975	<0.005	N.A.
*Std OXD108	0.401	N.A.
*Std OREAS-203	0.880	N.A.
*Std OREAS-206	2.111	N.A.
*Dup 422902	<0.005	N.A.
*Blk BLANK	<0.005	N.A.
*Std OXD108	0.418	N.A.

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Certificate of Analysis

Work Order : SU1501459B

[Report File No.: 000006182]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 14, 2016

P.O. No. : Mining & Exploration - GE_ICM40B
Project No. : -
No. Of Samples : 89
Date Submitted : Dec 07, 2015
Report Comprises : Pages 1 to 22
(Inclusive of Cover Sheet)

Distribution of unused material:

To Be Determined:

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
422747	0.40	8.07	762	2.22	20	24.4	3.21	2.03
422749	0.26	6.00	501	3.67	33	18.6	3.19	1.60
422750	0.15	11.2	1316	1.55	67	8.4	4.49	3.85
422751	0.11	7.64	716	2.49	25	16.1	2.38	2.20
422761	0.08	7.05	371	2.06	9	18.4	2.35	1.30
422762	0.09	7.03	311	2.23	19	59.8	2.66	1.07
422763	0.30	6.53	340	3.89	17	20.0	2.98	1.43
422764	0.08	7.66	372	3.48	10	19.7	1.98	1.73
422765	0.08	8.20	371	3.77	12	12.8	2.18	1.68
422766	0.08	7.87	469	2.59	17	18.5	1.66	1.95
422767	0.06	8.21	453	3.11	12	14.6	2.25	1.87
422768	0.06	8.24	411	3.02	11	14.4	2.03	1.59
422769	0.11	7.88	425	3.70	10	17.8	2.49	1.38
422770	0.10	8.01	410	3.03	12	19.9	2.27	1.24
422771	0.09	7.59	320	2.25	14	22.0	3.18	1.01
422777	0.06	7.43	312	1.82	18	29.8	3.15	0.94
422778	0.07	6.14	292	5.28	48	75.1	4.07	1.15
422779	0.07	7.31	237	4.06	82	42.9	4.40	0.92
422780	0.07	8.82	337	3.08	98	56.1	4.85	1.29
422781	0.10	7.75	129	6.75	135	71.6	5.50	0.51
422782	0.13	7.03	45	8.76	137	101	5.57	0.22
422783	0.09	7.04	40	8.55	149	77.4	5.93	0.21
422788	0.06	7.05	19	9.51	148	116	6.08	0.06
422789	0.06	6.08	226	11.8	105	109	4.88	0.61
422790	0.06	5.95	218	9.86	207	195	5.79	0.53
422791	0.09	6.89	36	10.2	129	77.7	5.48	0.12
422792	0.05	7.50	13	9.43	140	103	5.64	0.05
422838	0.22	7.17	445	5.52	138	107	5.95	1.06
422839	0.18	8.35	392	4.07	196	112	7.15	1.89
422840	0.19	6.71	200	8.03	197	158	6.83	0.84
422841	0.15	7.31	158	6.33	160	97.1	6.25	0.33
422842	0.12	7.18	219	7.28	161	96.0	6.26	0.49
422843	0.11	7.54	111	7.38	127	83.5	7.54	0.33
422844	0.08	7.12	58	7.82	122	105	7.25	0.26
422845	0.18	6.49	116	6.80	158	181	6.01	0.56
422846	0.14	6.93	74	9.14	118	76.7	5.25	0.44
422847	0.08	6.90	46	9.03	121	85.8	6.17	0.29
422849	0.09	7.87	15	7.66	134	105	6.97	0.17
422850	0.04	7.82	88	7.44	172	106	6.30	0.43
422851	0.05	8.54	124	5.96	165	101	6.42	0.55

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Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
422852	0.08	7.71	92	6.99	145	159	5.36	0.56
422853	0.06	6.94	55	7.76	148	91.0	5.33	0.38
422854	0.06	6.89	47	8.51	117	72.4	5.98	0.37
422855	0.05	6.74	59	9.51	114	90.4	6.07	0.31
422856	0.04	7.58	49	7.74	129	93.4	6.61	0.27
422857	0.05	8.25	93	7.22	155	109	6.85	0.72
422859	0.07	9.69	322	6.44	218	139	8.09	1.96
422861	0.11	8.31	138	3.04	171	174	9.16	1.37
422862	0.08	8.14	555	6.05	188	138	6.74	0.81
422863	0.08	8.80	195	4.83	174	116	8.14	0.38
422864	0.07	9.06	185	5.75	183	176	7.55	0.59
422865	0.05	8.96	168	6.57	196	115	6.65	0.56
422866	0.06	9.04	130	6.12	210	127	9.07	0.47
422867	0.06	8.40	120	7.73	108	111	7.28	0.40
422882	0.04	7.27	60	8.93	563	44.0	8.21	0.06
422915	0.07	7.80	26	7.63	84	135	9.15	0.06
422917	0.06	8.85	10	6.22	159	132	8.99	0.02
422918	0.05	6.52	32	10.5	82	106	7.38	0.03
422919	0.05	8.16	7	8.40	167	126	8.38	0.02
422920	0.05	8.08	122	8.60	131	138	7.64	0.57
422921	0.05	8.03	33	9.94	122	125	8.07	0.31
422922	0.05	7.51	32	7.62	154	107	7.19	0.39
422923	0.05	8.56	27	8.65	174	135	7.76	0.37
422925	0.05	8.14	18	8.54	136	122	7.66	0.19
422926	0.05	8.18	32	6.77	152	109	6.93	0.17
422927	0.04	7.38	20	8.14	120	128	6.78	0.21
422930	0.05	7.91	22	8.21	148	146	8.23	0.23
422931	0.04	8.16	89	5.59	141	134	8.34	0.24
422932	0.09	7.33	55	4.81	129	89.7	7.45	0.27
422933	0.10	7.44	45	4.76	105	144	8.99	0.24
422934	0.06	6.89	55	4.96	54	138	11.2	0.21
422935	0.03	6.13	93	2.66	12	129	13.2	0.42
422937	0.08	6.19	12	4.23	<1	295	12.5	0.02
422938	0.05	6.62	5	5.01	2	104	12.6	<0.01
422939	0.05	6.84	27	5.84	3	152	13.0	0.05
422940	0.03	5.95	14	4.63	<1	84.0	10.8	0.02
422944	0.03	6.87	36	5.73	5	66.1	8.35	0.16
422952	0.04	5.42	16	6.04	3	144	11.0	0.03
422953	0.09	8.69	58	6.95	180	127	7.12	0.20
422954	0.05	6.55	42	4.59	175	53.7	5.87	0.15

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
422970	0.05	9.01	91	6.23	231	147	6.80	0.50
422975	0.04	7.69	119	7.81	105	63.7	6.67	1.01
422977	0.04	6.39	129	8.07	430	69.2	7.36	0.54
422988	0.06	7.78	68	5.47	102	82.1	6.42	0.43
422989	0.14	8.19	96	6.79	129	168	5.38	0.61
422990	0.30	7.43	129	7.01	93	350	8.24	0.58
422991	0.10	8.99	85	6.44	91	125	5.80	0.24
422994	0.08	7.15	138	8.98	60	150	8.38	0.54
422999	0.05	6.67	232	5.19	152	74.3	6.53	1.00
*Rep 422851	0.07	8.85	124	6.02	194	103	6.41	0.58
*Rep 422857	0.06	8.34	92	7.18	180	108	6.85	0.73
*Std OREAS-901	0.42	6.89	243	0.10	36	1301	3.93	3.84
*Std OREAS-903	0.41	5.57	199	0.60	71	5943	4.05	3.51
*Blk BLANK	<0.02	<0.01	<1	<0.01	<1	0.8	<0.01	<0.01
*Blk BLANK	<0.02	<0.01	<1	<0.01	1	0.5	<0.01	<0.01
*Std RTS-3A	10.3	4.80	100	1.96	146	2163	>15.0	0.47
*Dup 422975	0.05	7.62	117	7.79	106	60.9	6.51	1.01
*Rep 422994	0.07	6.98	135	9.09	53	138	8.56	0.53
*Rep 422999	0.06	6.60	232	5.28	123	72.4	6.60	0.99
*Std OREAS-901	0.36	7.35	243	0.09	50	1400	3.78	3.99
*Std OREAS-903	0.43	6.31	205	0.62	72	6780	3.92	3.51
*Blk BLANK	0.03	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01
*Blk BLANK	<0.02	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01
*Std RTS-3A	12.0	5.47	104	2.06	163	2497	>15	0.50
*Rep 422944	<0.02	6.88	36	5.65	6	68.2	8.27	0.16

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Li	@Mg	@Mn	@Na	@Ni	@P	@S	@Sr
	GE_ICM40B 1 ppm	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm	GE_ICM40B 50 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm
422747	17	0.99	443	3.14	21.7	922	0.05	466
422749	13	0.87	593	2.02	14.8	448	0.02	337
422750	23	1.37	420	2.19	31.4	1217	0.04	319
422751	12	0.64	352	2.79	12.8	585	0.02	500
422761	8	0.56	403	3.14	9.8	423	0.06	293
422762	12	0.67	434	3.18	12.5	405	0.10	263
422763	15	0.88	625	1.75	16.6	369	0.13	310
422764	12	0.78	487	2.22	8.2	408	<0.01	423
422765	15	0.88	536	2.69	8.8	368	<0.01	407
422766	13	0.59	355	1.97	7.5	337	<0.01	407
422767	14	0.55	431	2.15	9.8	437	0.02	386
422768	12	0.42	431	2.99	10.8	533	0.03	358
422769	13	0.64	664	2.76	11.3	731	0.02	339
422770	13	0.61	770	3.01	10.3	1071	<0.01	356
422771	16	0.76	569	2.73	16.4	469	0.08	255
422777	11	0.79	554	2.88	19.6	405	0.13	163
422778	13	0.86	1385	1.06	49.8	245	0.56	174
422779	21	1.60	985	1.68	79.5	212	0.13	154
422780	28	1.69	781	1.32	86.6	376	0.11	196
422781	35	2.76	1106	1.37	116	263	0.07	148
422782	33	2.78	1213	1.17	137	197	0.07	112
422783	38	3.51	1289	1.03	137	187	0.09	79.3
422788	17	3.35	1376	1.14	136	217	0.09	92.9
422789	15	2.48	1437	0.90	117	233	0.10	68.8
422790	17	3.02	1428	0.48	121	148	0.12	44.7
422791	17	2.49	1352	1.55	136	197	0.11	111
422792	15	2.44	1343	1.50	144	223	0.13	121
422838	14	2.34	1068	1.06	128	291	0.26	72.0
422839	14	1.61	928	0.57	142	331	0.83	74.3
422840	15	1.72	1252	1.04	111	244	0.91	74.1
422841	26	3.84	1114	1.28	124	376	0.03	63.9
422842	23	3.41	1195	1.09	125	295	0.03	59.1
422843	24	3.34	1205	1.25	112	273	0.04	73.9
422844	19	2.62	1234	1.52	99.9	265	0.06	67.0
422845	18	1.86	999	0.83	102	248	1.17	84.2
422846	15	1.92	1291	1.30	111	237	0.22	104
422847	17	2.12	1458	0.89	119	270	0.20	100
422849	18	2.71	1483	1.69	137	312	0.22	109
422850	18	2.15	1303	1.03	126	309	0.23	101
422851	19	2.12	1176	1.05	135	338	0.14	119

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Li	@Mg	@Mn	@Na	@Ni	@P	@S	@Sr
	GE_ICM40B 1 ppm	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm	GE_ICM40B 50 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm
422852	15	1.61	1365	1.19	127	307	0.66	117
422853	16	1.77	1243	0.95	113	284	0.48	102
422854	17	2.35	1448	0.72	117	255	0.20	93.7
422855	16	2.49	1442	0.90	115	238	0.20	99.6
422856	19	2.51	1268	1.19	126	301	0.12	91.1
422857	20	2.64	1241	1.03	125	312	0.04	84.4
422859	12	1.91	1399	0.59	145	358	0.32	57.0
422861	17	2.43	1166	0.74	99.6	368	3.20	49.9
422862	19	2.80	1858	1.32	112	283	1.15	75.5
422863	26	3.95	1603	1.00	121	299	0.23	68.7
422864	22	3.30	1556	1.34	138	328	0.61	96.1
422865	21	2.97	1743	1.54	126	331	0.66	108
422866	18	2.45	2444	1.51	133	338	0.48	105
422867	18	2.69	1945	1.46	117	312	0.07	109
422882	12	3.61	1910	0.96	256	253	0.09	114
422915	6	4.04	1582	1.25	88.2	312	0.11	108
422917	11	3.56	1520	1.71	99.0	307	0.13	83.3
422918	9	2.60	2010	1.39	69.9	260	0.13	64.5
422919	13	2.60	1792	1.93	85.4	273	0.11	77.4
422920	20	2.40	1737	1.32	87.9	279	0.19	76.7
422921	27	2.23	1898	0.83	89.3	285	0.26	64.3
422922	23	2.03	1937	1.27	75.4	222	0.95	65.3
422923	24	1.87	2317	2.02	93.5	283	1.89	79.0
422925	27	1.66	1794	1.44	111	252	0.68	79.0
422926	23	4.08	1203	0.99	122	283	0.10	105
422927	28	1.68	1761	1.18	91.3	262	0.80	74.6
422930	22	1.77	1960	1.05	101	229	0.83	71.8
422931	45	5.06	1446	1.01	107	260	0.13	73.6
422932	45	4.80	1057	0.58	78.3	256	0.08	84.0
422933	34	4.03	1351	0.89	79.5	360	0.29	75.9
422934	14	1.92	2477	1.28	30.0	624	1.32	91.9
422935	11	1.37	2062	1.15	5.1	694	>5.00	90.7
422937	6	1.57	1852	0.84	<0.5	754	0.15	81.5
422938	7	1.81	1793	0.99	1.8	610	0.27	83.9
422939	13	2.96	1917	0.71	14.0	327	0.45	88.4
422940	12	2.74	1339	0.57	18.7	220	0.25	81.0
422944	24	3.33	1354	1.34	24.6	229	0.12	101
422952	13	2.87	1789	0.57	14.7	374	0.81	93.3
422953	26	3.94	1495	1.05	131	323	0.16	118
422954	20	3.13	883	0.68	104	232	0.02	74.0

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Li GE_ICM40B 1 ppm	@Mg GE_ICM40B 0.01 %	@Mn GE_ICM40B 2 ppm	@Na GE_ICM40B 0.01 %	@Ni GE_ICM40B 0.5 ppm	@P GE_ICM40B 50 ppm	@S GE_ICM40B 0.01 %	@Sr GE_ICM40B 0.5 ppm
422970	24	2.12	1504	1.64	136	330	0.76	121
422975	28	3.14	1488	0.62	114	351	0.12	68.8
422977	38	4.77	1357	0.14	195	267	0.13	57.3
422988	38	2.32	1237	1.76	84.8	300	0.30	79.7
422989	28	1.32	1347	2.33	85.2	355	0.92	103
422990	42	2.17	1601	0.91	90.0	356	2.86	89.9
422991	39	2.81	1183	2.71	91.7	297	0.07	78.9
422994	29	1.73	2157	0.66	54.1	522	0.39	106
422999	36	4.09	1055	0.67	110	250	0.10	61.1
*Rep 422851	21	2.22	1212	1.13	138	325	0.13	125
*Rep 422857	20	2.66	1260	1.02	125	304	0.06	84.9
*Std OREAS-901	15	0.60	306	0.04	39.3	631	0.03	31.9
*Std OREAS-903	15	0.70	649	0.03	51.7	1091	0.47	73.9
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Std RTS-3A	13	2.13	1333	0.69	58.1	434	>5.00	42.2
*Dup 422975	28	3.06	1447	0.61	113	360	0.11	62.8
*Rep 422994	28	1.71	2104	0.67	55.5	509	0.39	104
*Rep 422999	36	4.11	1064	0.71	109	248	0.09	65.3
*Std OREAS-901	17	0.60	308	0.04	37.2	651	0.04	32.1
*Std OREAS-903	18	0.71	671	0.03	50.9	1118	0.49	79.2
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Std RTS-3A	15	2.14	1447	0.70	60.4	416	>5.00	47.4
*Rep 422944	24	3.30	1336	1.32	25.0	262	0.12	100

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Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.5 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.1 ppm	GE_ICM40B 0.04 ppm	GE_ICM40B 0.02 ppm
422747	0.20	58	67	82.2	4	1.2	0.12	0.04
422749	0.10	41	67	28.1	3	0.9	0.06	0.06
422750	0.31	95	105	108	5	1.6	0.09	0.03
422751	0.13	37	53	65.1	2	1.3	0.14	0.03
422761	0.05	36	42	65.7	1	0.8	0.09	0.03
422762	0.05	39	54	62.8	1	0.8	0.14	0.03
422763	0.05	45	55	83.4	2	0.8	0.30	0.05
422764	0.07	33	40	62.7	<1	0.8	<0.04	0.03
422765	0.07	29	45	56.0	<1	0.8	<0.04	0.04
422766	0.07	27	31	51.4	1	0.9	0.06	0.02
422767	0.07	39	51	58.7	<1	0.9	0.09	0.02
422768	0.08	41	51	77.2	2	0.7	0.06	0.03
422769	0.08	48	60	89.5	<1	0.8	<0.04	0.04
422770	0.08	48	54	110	1	0.9	<0.04	0.03
422771	0.08	50	44	89.6	2	0.8	0.15	0.04
422777	0.09	47	53	88.8	1	1.0	0.10	0.05
422778	0.13	99	68	67.4	3	0.5	0.20	0.18
422779	0.10	125	81	63.6	32	0.4	0.09	0.12
422780	0.13	143	89	83.6	25	0.6	0.10	0.09
422781	0.11	178	90	44.9	30	0.3	0.06	0.15
422782	0.10	190	69	20.8	40	0.2	<0.04	0.11
422783	0.05	179	59	14.8	8	0.1	<0.04	0.07
422788	0.36	198	70	10.3	6	0.2	<0.04	0.12
422789	0.24	156	53	8.4	15	0.2	<0.04	0.10
422790	0.26	149	60	9.4	15	0.1	<0.04	0.15
422791	0.36	178	61	9.8	11	0.2	<0.04	0.07
422792	0.38	210	63	12.7	3	0.2	<0.04	0.09
422838	0.17	210	108	38.9	84	0.3	<0.04	0.23
422839	0.15	250	158	30.2	481	0.3	0.05	0.44
422840	0.15	192	98	31.1	157	0.3	0.07	0.16
422841	0.08	209	102	42.2	63	0.3	<0.04	0.07
422842	0.09	207	104	34.1	70	0.3	<0.04	0.07
422843	0.08	206	113	27.0	69	0.2	<0.04	0.09
422844	0.07	198	93	19.7	43	0.2	<0.04	0.05
422845	0.07	150	450	50.8	122	0.4	0.09	1.61
422846	0.12	176	110	26.2	53	0.2	<0.04	0.15
422847	0.09	192	89	25.4	64	0.3	<0.04	0.11
422849	0.08	210	81	10.7	15	0.3	<0.04	0.10
422850	0.10	202	104	29.1	62	0.3	<0.04	0.16
422851	0.13	247	83	38.0	97	0.4	<0.04	0.07

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Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.01 %	2 ppm	1 ppm	0.5 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm
422852	0.10	211	160	36.7	234	0.3	<0.04	0.35
422853	0.10	211	66	31.6	196	0.2	<0.04	0.11
422854	0.08	192	60	32.5	88	0.2	0.07	0.07
422855	0.08	183	72	28.3	37	0.2	<0.04	0.14
422856	0.09	207	79	30.7	51	0.2	<0.04	0.09
422857	0.10	228	70	34.7	57	0.3	<0.04	0.08
422859	0.34	249	89	32.2	43	0.2	<0.04	0.09
422861	0.05	187	287	76.2	3	0.2	0.16	0.83
422862	0.05	200	266	42.9	11	0.3	0.10	0.76
422863	0.05	235	164	36.8	38	0.2	<0.04	0.20
422864	0.06	238	132	33.9	39	0.2	<0.04	0.16
422865	0.06	230	104	33.0	43	0.2	<0.04	0.16
422866	0.20	258	166	35.6	48	0.3	0.04	0.26
422867	0.06	216	81	20.8	55	0.2	<0.04	0.13
422882	0.43	220	88	5.8	28	0.1	<0.04	0.08
422915	0.54	263	87	15.3	<1	0.2	<0.04	0.09
422917	0.43	252	98	4.4	4	0.2	<0.04	0.38
422918	0.34	166	69	16.3	13	0.1	<0.04	0.18
422919	0.42	226	84	15.2	21	0.2	<0.04	0.32
422920	0.34	218	75	24.8	37	0.2	<0.04	0.10
422921	0.30	203	82	23.0	11	0.1	<0.04	0.12
422922	0.23	188	64	21.9	2	0.1	<0.04	0.12
422923	0.27	212	63	22.0	3	0.2	<0.04	0.13
422925	0.39	207	83	22.0	14	<0.1	<0.04	0.12
422926	0.06	197	68	26.0	50	0.2	<0.04	0.10
422927	0.34	187	66	21.9	17	0.1	<0.04	0.10
422930	0.33	205	75	19.7	25	0.1	<0.04	0.15
422931	0.05	205	69	19.1	11	<0.1	<0.04	0.06
422932	0.05	190	71	21.2	15	0.2	<0.04	0.07
422933	0.26	186	78	35.5	27	0.2	<0.04	0.09
422934	0.61	209	80	57.3	16	0.4	<0.04	0.07
422935	0.74	226	91	59.7	67	0.3	<0.04	0.04
422937	0.84	94	72	70.9	2	0.3	<0.04	0.04
422938	0.88	214	56	63.1	3	0.3	<0.04	0.05
422939	0.85	657	91	30.4	4	0.1	<0.04	0.06
422940	0.70	745	80	18.4	5	0.1	<0.04	0.05
422944	0.05	217	59	19.9	26	0.2	<0.04	0.04
422952	0.53	409	74	43.0	3	0.2	<0.04	0.07
422953	0.07	205	91	28.6	85	0.2	<0.04	0.11
422954	0.07	155	67	25.3	65	0.2	<0.04	0.06

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Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.5 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.1 ppm	GE_ICM40B 0.04 ppm	GE_ICM40B 0.02 ppm
422970	0.08	234	70	41.1	137	0.3	<0.04	0.10
422975	0.08	151	74	47.9	64	0.2	<0.04	0.09
422977	0.04	153	64	27.3	58	0.1	<0.04	0.06
422988	0.13	197	98	28.3	77	0.1	<0.04	0.09
422989	0.23	177	98	49.3	89	0.3	0.09	0.25
422990	0.06	172	124	57.5	127	0.2	0.19	0.22
422991	0.07	191	76	25.0	42	0.1	<0.04	0.04
422994	0.63	244	93	47.0	9	0.2	<0.04	0.18
422999	0.05	142	59	26.3	58	0.1	<0.04	0.10
*Rep 422851	0.11	255	80	37.9				
*Rep 422857	0.09	228	75	34.5				
*Std OREAS-901	0.19	77	20	175				
*Std OREAS-903	0.16	66	25	146				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	1	<0.5				
*Std RTS-3A	0.30	110	2594	63.2				
*Dup 422975	0.07	185	68	49.0	64	0.2	<0.04	0.09
*Rep 422994	0.62	264	100	46.9				
*Rep 422999	0.05	169	64	26.4				
*Std OREAS-901	0.19	77	25	176				
*Std OREAS-903	0.16	71	21	149				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	1	<0.5				
*Std RTS-3A	0.30	108	2706	65.2				
*Rep 422944	0.05	215	59	19.7				
*Rep 422857					56	0.3	<0.04	0.07
*Std OREAS-901					71	5.8	4.48	0.06
*Std OREAS-903					49	4.6	8.94	0.22
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	0.02
*Std RTS-3A					17	0.4	31.0	8.72
*Rep 422944					25	0.2	<0.04	0.04
*Rep 422994					11	0.3	<0.04	0.20
*Rep 422999					61	<0.1	<0.04	0.10
*Std OREAS-901					70	6.0	4.67	0.07
*Std OREAS-903					50	5.1	9.01	0.22
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Std RTS-3A					21	0.3	31.9	9.15
*Rep 422851					111	0.3	0.04	0.08

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Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
422747	44.0	10.4	1	19.2	2.51	0.03	18.4	0.12
422749	29.4	9.7	1	14.6	0.94	0.02	12.2	0.10
422750	61.9	15.3	3	30.4	3.15	0.05	25.3	0.15
422751	35.4	7.1	2	18.5	2.10	0.02	14.9	0.08
422761	41.8	6.8	1	16.3	2.13	<0.02	17.5	0.08
422762	47.6	8.2	1	16.2	2.08	0.02	20.2	0.09
422763	39.8	9.9	1	15.1	2.54	0.03	16.4	0.11
422764	28.2	5.8	2	17.2	1.94	<0.02	11.4	0.06
422765	26.9	6.1	2	17.5	1.77	<0.02	10.9	0.06
422766	25.5	4.5	2	18.4	1.65	<0.02	10.3	0.05
422767	31.8	6.9	2	18.7	1.92	<0.02	12.7	0.06
422768	37.6	6.3	2	18.7	2.23	<0.02	15.1	0.06
422769	50.6	8.0	2	18.0	2.57	0.02	20.5	0.07
422770	46.8	7.4	1	18.0	3.01	0.02	19.2	0.09
422771	45.6	10.8	1	16.9	2.72	0.03	18.8	0.14
422777	50.7	10.1	<1	16.9	2.89	0.03	21.0	0.15
422778	26.6	21.3	1	13.5	1.97	0.04	10.9	0.16
422779	22.6	29.4	<1	14.9	1.94	0.03	9.4	0.14
422780	34.6	30.2	1	18.4	2.37	0.04	13.9	0.13
422781	17.8	37.1	<1	14.7	1.32	0.04	6.9	0.15
422782	4.72	46.4	<1	12.5	0.62	0.05	1.5	0.13
422783	4.76	37.8	<1	11.6	0.39	0.04	1.6	0.12
422788	4.94	40.8	<1	13.0	0.17	0.04	1.6	0.19
422789	4.98	33.2	<1	10.0	0.21	0.05	1.7	0.16
422790	5.15	37.9	<1	10.2	0.19	0.04	1.7	0.17
422791	5.67	40.1	<1	10.9	0.17	0.04	2.0	0.19
422792	5.31	41.9	<1	12.6	0.24	0.05	1.7	0.19
422838	9.54	43.7	<1	15.1	1.12	0.06	3.3	0.16
422839	8.56	51.1	1	17.6	0.96	0.10	3.0	0.14
422840	7.40	42.5	<1	14.0	1.00	0.08	2.7	0.17
422841	11.8	37.7	<1	14.2	1.21	0.06	4.3	0.14
422842	7.98	39.8	<1	14.3	1.03	0.05	2.8	0.17
422843	7.22	42.4	<1	14.2	0.74	0.05	2.5	0.14
422844	5.61	41.3	<1	13.7	0.53	0.04	2.0	0.11
422845	17.6	41.0	<1	14.2	1.74	0.20	6.4	0.18
422846	7.35	36.9	<1	12.5	0.83	0.05	2.4	0.16
422847	7.79	37.1	<1	13.3	0.79	0.05	2.6	0.15
422849	8.36	41.7	<1	15.0	0.20	0.05	2.8	0.20
422850	8.55	41.4	<1	15.1	0.92	0.05	2.9	0.15
422851	8.52	44.2	<1	17.3	1.18	0.07	2.8	0.15

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
422852	11.2	42.9	<1	14.6	1.09	0.06	3.9	0.13
422853	7.70	37.5	<1	12.9	0.95	0.05	2.6	0.13
422854	7.56	39.5	<1	12.6	0.95	0.04	2.6	0.14
422855	8.92	36.3	<1	12.7	0.84	0.05	3.2	0.15
422856	8.03	39.0	<1	14.0	0.89	0.05	2.7	0.15
422857	8.28	43.0	<1	15.5	1.06	0.06	2.8	0.16
422859	9.20	46.2	2	16.4	1.05	0.06	3.4	0.22
422861	19.5	45.1	1	16.0	2.29	0.11	7.8	0.18
422862	10.0	39.3	<1	13.5	1.42	0.09	3.8	0.17
422863	9.07	43.2	<1	15.1	1.23	0.08	3.4	0.14
422864	9.46	52.3	<1	15.2	1.20	0.07	3.5	0.15
422865	8.38	45.7	<1	14.7	1.10	0.06	3.0	0.16
422866	10.5	43.2	<1	15.9	1.21	0.09	3.8	0.21
422867	8.27	41.9	<1	14.2	0.72	0.06	3.0	0.16
422882	8.14	54.4	<1	11.6	0.22	0.06	2.9	0.22
422915	8.71	44.9	<1	16.0	0.73	0.07	3.2	0.29
422917	7.69	43.0	<1	14.3	0.12	0.06	2.7	0.24
422918	6.80	32.2	<1	11.0	0.48	0.05	2.5	0.19
422919	6.68	40.5	<1	13.6	0.46	0.06	2.4	0.21
422920	6.69	40.6	1	13.3	0.81	0.05	2.4	0.20
422921	6.81	38.0	1	13.0	0.79	0.05	2.4	0.21
422922	6.02	28.9	1	12.0	0.72	0.05	2.2	0.15
422923	7.26	44.4	1	13.1	0.73	0.05	2.7	0.16
422925	6.23	40.5	<1	12.8	0.73	0.05	2.2	0.20
422926	8.44	38.1	<1	13.3	0.88	0.05	3.1	0.09
422927	6.18	41.5	<1	11.9	0.73	0.05	2.2	0.19
422930	6.63	39.2	1	12.8	0.62	0.05	2.4	0.17
422931	6.18	41.1	<1	13.3	0.55	0.05	2.1	0.07
422932	6.85	37.7	1	13.4	0.67	0.04	2.4	0.07
422933	9.90	45.2	<1	15.8	1.08	0.06	3.5	0.13
422934	13.5	29.9	<1	19.4	1.64	0.10	4.8	0.21
422935	17.1	46.9	1	20.1	1.64	0.10	6.1	0.16
422937	20.8	42.4	<1	20.0	1.96	0.13	7.2	0.19
422938	15.6	45.6	<1	19.9	1.67	0.10	5.1	0.19
422939	8.75	48.8	<1	17.6	0.84	0.08	3.1	0.20
422940	6.34	46.1	<1	15.4	0.51	0.06	2.2	0.18
422944	5.87	37.3	<1	14.8	0.60	0.05	2.1	0.06
422952	8.17	40.5	<1	15.2	1.31	0.06	2.9	0.16
422953	9.12	43.0	<1	14.9	0.97	0.06	3.4	0.10
422954	6.91	31.3	<1	11.6	0.83	0.04	2.5	0.08

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
422970	9.73	45.8	<1	15.4	1.32	0.05	3.7	0.14
422975	11.4	36.5	1	12.9	1.44	0.05	4.4	0.17
422977	6.93	47.3	<1	10.2	0.90	0.04	2.5	0.12
422988	6.90	39.3	<1	13.6	0.90	0.06	2.6	0.13
422989	10.7	41.1	1	14.0	1.54	0.11	4.3	0.23
422990	19.4	57.3	1	14.4	1.80	0.16	7.4	0.21
422991	7.63	42.1	<1	14.8	0.80	0.06	2.7	0.12
422994	13.5	36.0	<1	14.6	1.46	0.08	5.0	0.30
422999	6.74	32.3	2	10.8	0.84	0.04	2.5	0.08
*Dup 422975	11.1	35.1	1	12.9	1.47	0.06	4.4	0.17
*Rep 422857	8.11	42.1	<1	15.2	1.03	0.06	2.7	0.15
*Std OREAS-901	100	74.6	4	18.9	5.22	0.23	46.9	0.53
*Std OREAS-903	81.6	126	3	14.1	4.32	0.14	36.4	0.33
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Std RTS-3A	22.9	122	<1	36.8	1.79	1.56	8.2	0.20
*Rep 422944	5.79	36.8	<1	14.6	0.61	0.06	2.1	0.06
*Rep 422994	13.7	37.1	<1	14.5	1.47	0.09	5.0	0.31
*Rep 422999	6.85	32.9	2	11.1	0.87	0.04	2.6	0.09
*Std OREAS-901	101	73.6	5	18.0	5.37	0.25	48.5	0.50
*Std OREAS-903	85.4	136	3	15.3	4.57	0.14	42.4	0.35
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Std RTS-3A	21.8	120	<1	36.4	1.88	1.55	8.6	0.20
*Rep 422851	8.24	43.1	<1	17.1	1.10	0.06	2.7	0.14

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Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
422747	0.80	3.6	8.0	61.4	1.22	7.1	<2	0.9
422749	2.54	3.0	6.8	47.9	0.71	5.7	<2	0.8
422750	1.24	7.5	7.5	117	1.14	15.4	<2	1.7
422751	0.98	3.0	8.2	68.7	0.98	5.1	<2	0.7
422761	1.06	1.7	5.0	38.3	0.23	4.9	<2	0.7
422762	1.75	1.9	5.7	31.6	0.27	5.5	<2	0.6
422763	6.07	1.6	7.2	41.0	0.37	6.5	<2	0.8
422764	0.84	1.3	5.9	47.9	0.42	4.2	<2	0.5
422765	0.66	1.2	6.1	44.7	0.45	3.9	<2	0.5
422766	1.39	1.0	5.9	54.8	0.45	3.6	<2	0.5
422767	0.64	1.2	6.2	52.9	0.35	4.5	<2	0.6
422768	0.58	1.7	5.9	45.6	0.38	4.8	<2	0.6
422769	0.57	1.7	5.1	42.2	0.37	6.7	<2	0.5
422770	1.13	1.9	5.3	38.5	0.42	6.7	<2	0.6
422771	2.00	2.7	4.1	30.7	0.38	8.4	<2	1.0
422777	1.48	2.9	4.7	26.4	0.46	8.3	<2	1.2
422778	2.53	1.9	4.9	30.3	0.61	16.3	<2	0.7
422779	1.20	1.4	5.0	26.4	4.06	22.7	<2	0.7
422780	1.27	1.9	5.2	35.6	2.39	23.3	<2	0.8
422781	0.98	1.1	4.0	14.2	0.48	30.0	<2	0.4
422782	0.55	0.5	1.7	5.7	0.57	33.2	<2	<0.3
422783	0.47	0.3	1.1	5.9	0.96	30.2	<2	<0.3
422788	0.32	1.6	0.7	1.5	1.12	32.2	<2	0.5
422789	0.52	0.9	0.9	20.1	0.45	26.1	<2	0.4
422790	0.75	1.3	0.8	18.0	0.64	24.4	<2	0.4
422791	0.49	1.6	1.4	4.3	0.85	31.1	<2	0.4
422792	0.29	1.7	1.1	1.1	1.26	33.0	<2	0.5
422838	0.53	0.8	8.0	33.4	0.58	31.5	<2	0.5
422839	0.52	0.7	7.8	61.2	2.56	36.4	<2	0.8
422840	0.78	0.7	5.4	32.0	1.89	28.7	<2	0.6
422841	0.44	0.6	2.1	11.8	0.48	30.3	<2	0.3
422842	0.32	0.6	1.6	17.6	0.44	29.8	<2	0.4
422843	0.32	0.5	3.8	11.5	1.22	30.7	<2	0.3
422844	0.25	0.4	2.2	10.7	0.81	30.7	<2	<0.3
422845	1.43	1.0	6.7	21.6	1.98	23.8	<2	1.0
422846	0.77	0.8	5.2	16.8	0.59	26.9	<2	0.6
422847	0.48	0.5	1.8	9.8	0.82	27.7	<2	0.3
422849	0.31	0.5	1.6	6.0	1.50	32.3	<2	<0.3
422850	0.38	0.6	10.5	15.5	1.52	31.6	<2	0.4
422851	0.22	0.9	1.4	20.5	1.12	35.9	<2	0.6

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Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
422852	0.97	0.7	43.1	19.8	1.06	30.8	<2	0.5
422853	0.38	1.0	1.3	12.9	1.41	26.5	<2	0.4
422854	0.33	0.8	6.7	12.9	1.16	26.7	<2	0.4
422855	0.41	0.6	2.6	10.9	1.89	26.4	<2	0.4
422856	0.26	0.7	1.2	8.2	0.99	29.0	<2	0.3
422857	0.31	0.7	1.2	24.9	1.48	31.6	<2	0.4
422859	0.39	1.9	2.0	65.0	1.36	31.0	<2	0.7
422861	1.44	0.7	3.6	46.7	2.00	25.1	<2	1.0
422862	0.76	0.4	3.6	26.4	2.03	27.2	<2	0.6
422863	0.50	0.4	2.1	13.2	1.56	31.4	<2	0.4
422864	0.40	0.5	2.7	20.0	0.95	33.2	<2	0.3
422865	0.38	0.4	2.4	18.6	1.13	31.7	<2	0.3
422866	0.55	0.9	2.4	15.9	1.16	34.3	<2	0.4
422867	0.41	0.4	1.4	13.5	1.09	31.0	<2	<0.3
422882	0.77	2.3	1.4	2.4	1.02	31.1	<2	0.5
422915	0.40	2.8	0.7	1.5	1.80	39.8	<2	0.7
422917	0.28	2.2	0.7	0.9	6.70	32.2	<2	0.6
422918	0.53	1.4	0.6	1.1	5.46	23.2	<2	0.4
422919	0.24	2.0	0.6	0.6	5.44	28.5	<2	0.4
422920	0.29	0.9	0.5	21.8	7.44	29.2	<2	0.4
422921	0.29	0.8	0.6	11.0	4.55	27.0	<2	0.4
422922	0.57	0.5	0.6	13.8	3.34	25.4	<2	0.4
422923	0.51	1.1	1.0	13.2	5.36	27.9	<2	0.5
422925	0.38	1.7	0.6	5.7	8.39	26.0	<2	0.5
422926	0.31	0.5	1.1	4.2	5.70	25.9	<2	<0.3
422927	0.25	1.3	0.6	6.7	7.91	24.5	<2	0.5
422930	0.43	1.4	0.7	8.4	9.94	25.8	<2	0.5
422931	0.21	0.5	<0.5	9.7	12.0	27.8	<2	<0.3
422932	0.39	0.4	0.8	10.3	8.29	29.8	<2	<0.3
422933	0.33	1.5	0.5	10.0	32.7	31.3	<2	0.4
422934	0.93	4.0	0.7	8.8	7.33	31.6	<2	0.6
422935	1.31	3.9	1.0	18.3	9.63	31.9	<2	0.6
422937	0.48	6.1	<0.5	0.9	7.50	31.6	<2	0.6
422938	0.54	5.2	<0.5	0.3	6.64	31.7	<2	0.6
422939	0.43	2.0	0.5	1.7	8.81	39.5	<2	0.5
422940	0.20	1.5	<0.5	0.9	8.38	34.4	<2	0.4
422944	0.30	0.4	0.8	5.7	7.23	36.3	<2	0.4
422952	0.45	2.0	0.5	1.2	9.69	33.9	<2	0.3
422953	0.32	0.5	1.3	5.6	6.25	28.8	<2	<0.3
422954	1.62	0.4	0.7	4.3	1.98	21.6	<2	<0.3

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Report File No.: 0000006182

Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
422970	0.85	0.7	1.9	14.6	2.22	30.9	<2	0.4
422975	0.81	0.6	1.0	23.8	4.26	25.6	<2	0.3
422977	0.29	0.3	0.8	14.9	2.16	25.2	<2	<0.3
422988	0.68	0.7	1.5	12.4	2.28	27.9	<2	0.5
422989	1.00	1.4	3.6	19.6	3.70	24.7	<2	1.0
422990	1.97	0.7	5.9	17.2	4.55	22.2	2	1.2
422991	0.24	0.6	0.9	8.0	2.05	31.5	<2	<0.3
422994	1.13	3.3	1.4	13.9	0.99	26.8	<2	0.8
422999	1.30	0.3	0.7	24.5	3.33	23.4	<2	0.7
*Dup 422975	0.82	0.5	1.3	24.0	3.89	25.6	<2	0.4
*Rep 422857	0.26	0.7	1.3	24.7	1.79	31.2	<2	0.4
*Std OREAS-901	3.39	4.8	16.8	152	2.52	12.4	3	3.2
*Std OREAS-903	4.42	5.3	11.3	132	1.66	9.7	5	2.7
*Blk BLANK	<0.05	<0.1	0.6	<0.2	<0.05	<0.5	<2	<0.3
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Std RTS-3A	2.70	3.9	208	11.8	3.11	11.8	37	46.9
*Rep 422944	0.17	0.4	0.8	5.6	6.94	34.7	<2	0.3
*Rep 422994	1.13	3.1	1.4	13.8	0.97	26.9	<2	0.8
*Rep 422999	1.07	0.3	0.7	24.6	3.05	24.1	<2	0.3
*Std OREAS-901	3.32	6.8	16.9	153	2.60	13.4	3	3.4
*Std OREAS-903	4.24	5.3	10.7	134	1.56	10.5	5	2.6
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Std RTS-3A	2.74	3.9	212	11.7	2.85	11.1	34	46.5
*Rep 422851	0.26	1.2	1.4	20.2	1.09	35.6	<2	0.4

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422747	0.33	0.38	0.05	3.6	0.35	1.08	0.3	9.1
422749	0.27	0.25	<0.05	2.3	0.26	0.51	0.2	6.5
422750	0.68	0.52	<0.05	5.7	0.65	1.40	0.6	11.9
422751	0.25	0.23	<0.05	3.2	0.37	1.04	0.3	5.8
422761	0.23	0.23	<0.05	4.1	0.17	1.00	0.2	4.7
422762	0.30	0.24	<0.05	4.0	0.13	0.91	0.2	5.4
422763	0.21	0.27	<0.05	3.7	0.17	0.81	0.2	6.5
422764	0.13	0.17	<0.05	1.9	0.19	0.54	0.1	4.2
422765	0.12	0.16	<0.05	1.9	0.17	0.57	0.1	4.0
422766	0.09	0.15	<0.05	1.9	0.21	0.59	0.1	3.5
422767	0.14	0.18	<0.05	2.0	0.18	0.58	0.2	4.3
422768	0.24	0.18	<0.05	2.3	0.17	0.61	0.3	4.2
422769	0.16	0.26	<0.05	2.9	0.16	0.66	0.2	5.9
422770	0.19	0.33	<0.05	2.8	0.15	0.66	0.2	8.4
422771	0.32	0.34	<0.05	4.2	0.13	0.90	0.2	8.5
422777	0.36	0.39	<0.05	4.8	0.12	1.02	0.2	8.8
422778	0.17	0.31	<0.05	2.1	0.15	0.45	0.2	8.4
422779	0.14	0.27	<0.05	1.8	0.13	0.41	0.2	7.1
422780	0.22	0.30	<0.05	2.5	0.16	0.55	0.3	7.6
422781	0.10	0.29	<0.05	1.1	0.07	0.25	0.1	7.1
422782	<0.05	0.26	<0.05	<0.2	0.03	<0.05	0.1	6.5
422783	<0.05	0.27	<0.05	<0.2	0.02	<0.05	0.1	6.7
422788	0.14	0.34	<0.05	<0.2	<0.02	<0.05	0.3	12.8
422789	0.09	0.30	<0.05	<0.2	0.06	<0.05	0.5	10.9
422790	0.11	0.32	<0.05	<0.2	0.05	<0.05	0.6	11.8
422791	0.14	0.35	<0.05	<0.2	0.02	<0.05	0.4	12.6
422792	0.14	0.36	<0.05	0.2	<0.02	<0.05	0.2	13.1
422838	0.07	0.27	<0.05	0.5	0.37	0.10	0.1	7.2
422839	0.06	0.25	0.06	0.4	0.64	0.06	0.2	6.1
422840	0.06	0.30	0.07	0.4	0.29	0.08	0.2	8.6
422841	<0.05	0.23	<0.05	0.6	0.10	0.13	0.1	5.1
422842	0.05	0.29	<0.05	0.3	0.16	0.06	0.2	7.8
422843	0.06	0.26	<0.05	<0.2	0.09	<0.05	0.2	7.1
422844	<0.05	0.19	<0.05	0.2	0.08	<0.05	<0.1	4.6
422845	0.11	0.33	0.13	1.7	0.19	0.29	0.2	8.4
422846	0.08	0.29	<0.05	0.3	0.15	<0.05	0.1	7.5
422847	<0.05	0.31	<0.05	0.3	0.08	0.05	<0.1	7.0
422849	<0.05	0.44	<0.05	0.3	0.04	0.07	<0.1	16.1
422850	0.05	0.30	<0.05	0.3	0.11	0.06	<0.1	6.5
422851	0.10	0.25	<0.05	0.4	0.14	0.07	0.2	5.3

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422852	0.07	0.31	<0.05	0.3	0.16	0.06	0.2	5.9
422853	0.20	0.22	<0.05	0.3	0.09	0.07	0.3	5.1
422854	0.16	0.24	<0.05	0.3	0.09	0.06	0.3	5.8
422855	0.05	0.26	<0.05	0.3	0.07	0.06	0.1	6.7
422856	0.10	0.32	<0.05	0.3	0.05	<0.05	0.2	5.9
422857	0.09	0.28	<0.05	0.3	0.17	0.06	0.2	6.2
422859	0.55	0.41	0.08	0.4	0.49	0.06	0.8	12.2
422861	0.17	0.32	0.11	1.4	0.39	0.35	0.2	6.9
422862	0.07	0.28	0.06	0.5	0.21	0.14	0.1	6.3
422863	0.15	0.30	<0.05	0.4	0.11	0.12	0.2	6.1
422864	0.15	0.32	<0.05	0.4	0.14	0.11	0.1	6.9
422865	0.10	0.31	<0.05	0.3	0.13	0.09	<0.1	6.7
422866	0.13	0.42	0.07	0.5	0.12	0.10	<0.1	10.5
422867	<0.05	0.35	<0.05	0.3	0.08	0.06	<0.1	8.8
422882	0.17	0.43	<0.05	0.3	<0.02	0.07	<0.1	15.7
422915	0.30	0.48	<0.05	0.3	0.04	0.07	0.2	18.8
422917	0.23	0.46	<0.05	0.3	<0.02	0.05	0.1	17.3
422918	0.10	0.37	<0.05	0.2	<0.02	<0.05	<0.1	12.6
422919	0.20	0.38	<0.05	0.2	<0.02	<0.05	<0.1	13.5
422920	0.09	0.33	<0.05	0.2	0.11	<0.05	<0.1	10.6
422921	0.07	0.33	<0.05	0.2	0.05	<0.05	<0.1	10.5
422922	0.05	0.24	<0.05	0.2	0.07	<0.05	<0.1	7.0
422923	0.12	0.26	<0.05	0.2	0.07	<0.05	<0.1	7.2
422925	0.15	0.36	<0.05	0.2	0.03	<0.05	<0.1	11.7
422926	<0.05	0.20	<0.05	0.3	0.03	0.05	<0.1	3.3
422927	0.12	0.32	<0.05	0.2	0.03	<0.05	<0.1	10.7
422930	0.13	0.31	<0.05	<0.2	0.05	<0.05	0.2	9.1
422931	0.06	0.14	<0.05	<0.2	0.05	<0.05	<0.1	2.5
422932	<0.05	0.15	<0.05	<0.2	0.05	<0.05	<0.1	2.7
422933	0.11	0.26	<0.05	0.3	0.05	0.06	<0.1	6.0
422934	0.26	0.42	<0.05	0.5	0.04	0.10	<0.1	11.0
422935	0.25	0.42	<0.05	0.6	0.09	0.12	0.1	8.8
422937	0.35	0.54	<0.05	0.6	<0.02	0.13	0.1	10.0
422938	0.37	0.45	<0.05	0.5	<0.02	0.11	<0.1	10.3
422939	0.12	0.39	<0.05	0.3	<0.02	0.07	<0.1	11.6
422940	0.09	0.33	<0.05	0.2	<0.02	<0.05	<0.1	10.5
422944	0.06	0.12	<0.05	<0.2	0.04	0.05	0.1	2.2
422952	0.14	0.32	<0.05	0.3	<0.02	0.08	<0.1	8.0
422953	0.07	0.19	<0.05	0.3	0.03	0.05	<0.1	3.1
422954	<0.05	0.14	<0.05	0.2	0.02	<0.05	<0.1	2.6

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422970	0.15	0.19	<0.05	0.3	0.11	0.09	0.4	4.3
422975	0.07	0.23	<0.05	0.5	0.14	0.11	<0.1	5.9
422977	<0.05	0.16	<0.05	0.2	0.17	<0.05	2.3	4.0
422988	0.06	0.20	<0.05	0.3	0.09	0.06	<0.1	5.2
422989	0.18	0.33	0.12	0.6	0.13	0.15	0.4	8.9
422990	0.06	0.39	0.29	1.0	0.16	0.24	0.1	9.5
422991	0.11	0.23	<0.05	0.3	0.04	0.05	<0.1	4.5
422994	0.26	0.53	<0.05	0.4	0.08	0.07	3.5	15.4
422999	<0.05	0.13	<0.05	0.2	0.12	<0.05	<0.1	2.6
*Dup 422975	<0.05	0.24	<0.05	0.5	0.16	0.11	<0.1	5.9
*Rep 422857	0.11	0.28	<0.05	0.3	0.17	0.06	0.2	6.2
*Std OREAS-901	0.73	1.11	0.09	15.0	0.75	10.1	2.1	39.5
*Std OREAS-903	0.56	0.76	<0.05	13.8	0.62	6.98	1.5	21.3
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Std RTS-3A	0.33	0.44	1.90	1.0	4.13	0.26	5.8	12.1
*Rep 422944	0.06	0.13	<0.05	<0.2	0.04	<0.05	<0.1	2.3
*Rep 422994	0.20	0.52	<0.05	0.4	0.08	0.07	3.4	15.1
*Rep 422999	<0.05	0.14	<0.05	0.2	0.12	<0.05	<0.1	2.5
*Std OREAS-901	0.66	1.14	0.09	16.2	0.78	9.76	2.6	38.1
*Std OREAS-903	0.47	0.77	<0.05	13.3	0.64	6.82	1.4	21.8
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	0.1	<0.1
*Blk BLANK	<0.05	<0.05	0.06	<0.2	<0.02	<0.05	0.1	<0.1
*Std RTS-3A	0.31	0.43	1.88	0.9	4.12	0.26	4.4	12.0
*Rep 422851	0.27	0.24	<0.05	0.3	0.14	0.07	0.3	5.1

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Final : SU1501459B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006182

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
422747	0.8
422749	0.7
422750	1.0
422751	0.5
422761	0.5
422762	0.6
422763	0.7
422764	0.4
422765	0.4
422766	0.3
422767	0.4
422768	0.4
422769	0.5
422770	0.6
422771	0.9
422777	0.9
422778	1.0
422779	0.8
422780	0.8
422781	0.9
422782	0.8
422783	0.7
422788	1.3
422789	1.1
422790	1.2
422791	1.3
422792	1.4
422838	0.9
422839	0.8
422840	1.0
422841	0.8
422842	1.2
422843	0.9
422844	0.6
422845	1.1
422846	0.9
422847	0.8
422849	1.5
422850	1.1
422851	0.8

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Final : SU1501459B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006182

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
422852	0.8
422853	0.8
422854	0.8
422855	0.8
422856	0.8
422857	0.9
422859	1.4
422861	1.0
422862	1.0
422863	0.8
422864	0.9
422865	0.9
422866	1.3
422867	1.0
422882	1.6
422915	2.2
422917	1.7
422918	1.3
422919	1.5
422920	1.3
422921	1.4
422922	1.0
422923	1.0
422925	1.4
422926	0.5
422927	1.3
422930	1.1
422931	0.4
422932	0.4
422933	0.7
422934	1.4
422935	1.0
422937	1.2
422938	1.2
422939	1.4
422940	1.2
422944	0.4
422952	1.1
422953	0.5
422954	0.4

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Final : SU1501459B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006182

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
422970	0.8
422975	0.9
422977	0.7
422988	0.8
422989	1.4
422990	1.3
422991	0.7
422994	2.0
422999	0.4
*Dup 422975	1.0
*Rep 422857	0.8
*Std OREAS-901	3.5
*Std OREAS-903	2.1
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Std RTS-3A	1.2
*Rep 422944	0.3
*Rep 422994	1.9
*Rep 422999	0.5
*Std OREAS-901	3.4
*Std OREAS-903	2.3
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Std RTS-3A	1.3
*Rep 422851	0.8

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Certificate of Analysis

Work Order : SU1501459C

[Report File No.: 000006185]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 14, 2016

P.O. No. : Mining & Exploration - GO_XRF76V
Project No. : -
No. Of Samples : 3
Date Submitted : Dec 07, 2015
Report Comprises : Pages 1 to 3
(Inclusive of Cover Sheet)

Distribution of unused material:

To Be Determined:

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Report File No.: 0000006185

Element Method Det.Lim. Units	@LOI GO_XRF76V -10.000 %	@SiO2 GO_XRF76V 0.01 %	@Al2O3 GO_XRF76V 0.01 %	@Fe2O3 GO_XRF76V 0.01 %	@MgO GO_XRF76V 0.01 %	@CaO GO_XRF76V 0.01 %	@K2O GO_XRF76V 0.01 %	@Na2O GO_XRF76V 0.01 %
422915	1.82	48.6	14.5	13.6	7.14	10.7	0.07	1.70
422944	11.2	44.8	13.2	12.4	5.98	8.27	0.19	1.84
422985	15.0	37.4	6.09	11.2	19.1	9.21	<0.01	0.03
*Blk BLANK	>99.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
*Std SY-4	4.46	49.5	20.7	6.26	0.54	8.09	1.68	7.08

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Final : SU1501459C Order: Mining & Exploration - GO_XRF76V

Report File No.: 0000006185

Element	@TiO2	@MnO	@P2O5	@Cr2O3	@V2O5	Sum
Method	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V
Det.Lim.	0.01	0.01	0.01	0.01	0.01	0
Units	%	%	%	%	%	%
422915	0.95	0.21	0.07	0.02	0.05	99.5
422944	0.82	0.17	0.05	<0.01	0.04	99.0
422985	0.34	0.22	0.03	0.26	0.03	98.8
*Blk BLANK	<0.01	<0.01	<0.01	<0.01	<0.01	100.0
*Std SY-4	0.29	0.11	0.12	<0.01	<0.01	98.8

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Certificate of Analysis

Work Order : SU1501462A

[Report File No.: 000006172]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 14, 2016

P.O. No. : Mining & Exploration - GE_FAA515
Project No. : -
No. Of Samples : 115
Date Submitted : Dec 07, 2015
Report Comprises : Pages 1 to 5
(Inclusive of Cover Sheet)

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1501462A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006172

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	344001	<0.005
344002	<0.005	N.A.
344003	<0.005	N.A.
344004	<0.005	N.A.
344005	<0.005	N.A.
344006	<0.005	N.A.
344007	<0.005	N.A.
344008	<0.005	N.A.
344009	<0.005	N.A.
344010	0.015	N.A.
344011	0.005	N.A.
344012	1.021	N.A.
344013	<0.005	N.A.
344014	<0.005	N.A.
344015	<0.005	N.A.
344016	0.005	N.A.
344017	<0.005	N.A.
344018	<0.005	N.A.
344019	0.012	N.A.
344020	<0.005	N.A.
344021	<0.005	N.A.
344022	0.006	N.A.
344023	0.007	N.A.
344024	<0.005	N.A.
344025	0.005	N.A.
344026	0.006	N.A.
344027	<0.005	N.A.
344028	<0.005	N.A.
344029	<0.005	N.A.
344030	<0.005	N.A.
344031	<0.005	N.A.
344032	<0.005	<0.005
344033	<0.005	N.A.
344034	<0.005	N.A.
344035	<0.005	N.A.
344036	2.214	N.A.
344037	<0.005	N.A.
344038	<0.005	N.A.
344039	<0.005	N.A.
344040	<0.005	N.A.

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Final : SU1501462A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006172

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	344041	<0.005
344042	<0.005	N.A.
344043	<0.005	N.A.
344044	<0.005	N.A.
344045	<0.005	N.A.
344046	<0.005	N.A.
344047	<0.005	N.A.
344048	<0.005	N.A.
344049	<0.005	N.A.
344050	<0.005	N.A.
344051	<0.005	N.A.
344052	<0.005	N.A.
344053	<0.005	N.A.
344054	<0.005	N.A.
344055	<0.005	N.A.
344056	<0.005	N.A.
344057	<0.005	N.A.
344058	<0.005	N.A.
344059	<0.005	N.A.
344060	0.240	N.A.
344061	<0.005	N.A.
344062	<0.005	N.A.
344063	<0.005	N.A.
344064	<0.005	N.A.
344065	<0.005	N.A.
344066	<0.005	N.A.
344067	<0.005	<0.005
344068	<0.005	N.A.
344069	<0.005	N.A.
344070	<0.005	N.A.
344071	<0.005	N.A.
344072	<0.005	N.A.
344073	<0.005	N.A.
344074	<0.005	N.A.
344075	0.008	N.A.
344076	<0.005	N.A.
344077	<0.005	N.A.
344078	<0.005	<0.005
344079	0.008	N.A.
344080	0.010	N.A.

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Final : SU1501462A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006172

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
344081	0.027	N.A.
344082	0.026	N.A.
344083	0.045	N.A.
344084	1.545	N.A.
344085	0.012	N.A.
344086	0.012	N.A.
344087	0.006	N.A.
344088	<0.005	N.A.
344089	0.012	0.011
344090	0.007	N.A.
344091	<0.005	N.A.
344092	<0.005	N.A.
344093	0.005	N.A.
344094	<0.005	N.A.
344095	<0.005	N.A.
344096	<0.005	N.A.
344097	<0.005	N.A.
344098	<0.005	N.A.
344099	<0.005	N.A.
344100	<0.005	N.A.
344101	<0.005	N.A.
344102	<0.005	N.A.
344103	<0.005	N.A.
344104	0.006	N.A.
344105	<0.005	<0.005
344106	0.009	N.A.
344107	<0.005	N.A.
344108	1.078	N.A.
344109	<0.005	N.A.
344110	<0.005	N.A.
344111	<0.005	N.A.
344112	<0.005	N.A.
344113	<0.005	N.A.
344114	<0.005	N.A.
344115	<0.005	N.A.
*Blk BLANK	<0.005	N.A.
*Std OXD108	0.414	N.A.
*Dup 344031	<0.005	N.A.
*Dup 344069	<0.005	N.A.
*Std OXD108	0.411	N.A.

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Final : SU1501462A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006172

Element	@Au	@AuR
Method	GE_FAA515	GE_FAA515
Det.Lim.	0.005	0.005
Units	ppm	ppm
*Dup 344111	<0.005	N.A.
*Blk BLANK	<0.005	N.A.
*Std OREAS-206	2.109	N.A.
*Std OXD108	0.428	N.A.

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Certificate of Analysis

Work Order : SU1501462B

[Report File No.: 000006190]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 15, 2016

P.O. No. : Mining & Exploration - GE_ICM40B
Project No. : -
No. Of Samples : 115
Date Submitted : Dec 15, 2015
Report Comprises : Pages 1 to 29
(Inclusive of Cover Sheet)

Certified By :

Debbie Waldon
Project Coordinator

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n.a. = Not applicable -- = No result
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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ag	@Al	@Ba	@Ca	@Cr	@Cu	@Fe	@K
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.02 ppm	0.01 %	1 ppm	0.01 %	1 ppm	0.5 ppm	0.01 %	0.01 %
344001	0.03	8.80	42	9.08	153	126	6.24	0.25
344002	0.04	7.81	63	10.6	152	109	6.18	0.36
344003	0.05	7.47	300	9.23	178	134	6.40	1.22
344004	0.05	8.40	333	9.72	232	141	6.39	1.24
344005	0.05	8.70	340	8.96	161	124	6.99	1.02
344006	0.05	7.66	158	9.50	154	94.3	6.51	0.39
344007	0.03	7.97	91	8.76	164	87.1	6.64	0.21
344008	0.03	8.10	16	9.11	163	82.4	6.90	0.09
344009	<0.02	7.24	16	6.68	229	4.5	7.07	0.10
344010	0.10	8.22	14	10.8	164	367	6.85	0.07
344011	0.07	7.71	11	12.9	166	133	6.14	0.03
344012	0.19	7.47	413	5.74	162	84.5	9.16	0.76
344013	0.04	8.90	17	7.86	196	112	7.18	0.05
344014	0.03	8.61	22	9.11	173	116	7.33	0.08
344015	0.03	8.87	71	8.85	229	105	7.58	0.19
344016	0.07	8.86	42	8.30	205	273	7.99	0.13
344017	0.03	7.41	33	8.93	150	<0.5	6.99	0.08
344018	0.06	8.70	67	7.63	242	175	8.59	0.17
344019	0.07	8.56	158	8.24	171	107	7.66	0.31
344020	0.04	8.49	251	8.00	159	109	7.63	0.62
344021	0.08	8.10	139	7.88	167	96.0	8.02	0.59
344022	0.05	6.74	316	10.5	141	63.1	6.40	1.46
344023	0.04	6.63	161	9.14	167	116	6.51	0.74
344024	0.06	10.4	768	5.15	19	21.8	6.32	1.91
344025	0.05	7.85	196	9.08	155	107	7.18	0.86
344026	0.04	7.62	211	9.25	132	98.6	6.83	0.91
344027	0.07	7.51	426	2.49	81	62.1	3.06	1.06
344028	0.08	6.91	557	6.94	309	60.0	4.82	1.03
344029	0.10	8.71	642	2.78	90	72.2	5.23	1.97
344030	0.09	8.01	261	5.66	125	161	7.62	1.41
344031	0.08	7.94	73	8.96	111	118	7.47	0.41
344032	0.10	7.87	31	7.24	108	117	8.12	0.19
344033	0.11	9.23	169	6.67	132	270	7.78	0.92
344034	0.12	8.64	84	7.16	105	141	8.25	0.43
344035	0.05	7.01	39	8.52	178	183	8.34	0.16
344036	0.32	6.58	528	5.09	129	132	10.7	0.65
344037	0.07	9.19	279	7.46	158	107	6.29	0.69
344038	0.08	9.15	49	7.74	129	133	5.65	0.24
344039	0.08	8.55	136	6.60	213	132	5.44	0.46
344040	0.06	9.24	75	6.50	222	131	5.82	0.26

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
344041	0.07	9.10	37	7.16	153	123	6.17	0.17
344042	0.10	8.91	73	7.24	164	131	5.69	0.29
344043	<0.02	7.69	5	6.85	259	112	7.50	0.01
344044	0.06	5.32	188	13.7	182	22.7	4.65	0.24
344045	0.10	8.50	42	7.27	135	147	8.27	0.06
344046	0.07	8.48	9	6.71	151	111	7.85	0.02
344047	<0.02	7.89	80	9.69	108	205	7.73	0.11
344048	0.08	10.2	779	5.13	24	21.9	6.17	1.92
344049	0.08	8.18	31	6.24	160	96.8	7.96	0.06
344050	0.02	8.24	50	6.59	146	111	8.01	0.10
344051	0.10	7.90	85	7.69	178	85.0	7.90	0.18
344052	0.04	8.35	142	9.34	121	20.1	8.27	0.37
344053	0.08	8.04	139	7.78	155	95.0	8.32	0.79
344054	0.06	8.47	111	10.4	159	74.6	8.26	1.06
344055	0.10	8.51	145	11.0	191	290	7.56	1.39
344056	0.03	8.30	86	9.12	130	98.6	6.41	0.56
344057	0.11	6.00	102	10.2	173	205	7.01	0.74
344058	<0.02	7.70	138	9.81	201	114	6.34	0.71
344059	0.06	8.36	156	9.09	157	113	5.90	0.64
344060	0.69	8.22	1139	2.99	62	2624	4.48	3.18
344061	0.20	6.79	86	10.5	181	156	7.59	0.59
344062	0.14	6.72	144	10.3	191	109	5.54	1.00
344063	<0.02	8.18	115	7.98	135	113	6.03	0.70
344064	0.07	8.83	61	8.97	142	126	6.41	0.40
344065	0.04	8.14	82	9.18	143	117	6.45	0.43
344066	0.08	7.97	153	8.43	102	121	5.90	0.58
344067	0.05	9.13	21	8.49	129	124	6.31	0.04
344068	0.07	8.53	82	8.62	115	125	6.52	0.36
344069	0.10	9.31	76	8.11	146	178	6.98	0.27
344070	0.07	8.62	44	8.09	128	129	6.65	0.20
344071	0.05	8.58	66	7.32	216	108	7.03	0.31
344072	0.06	10.6	826	5.26	17	21.7	6.34	1.97
344073	0.04	7.02	51	11.0	119	59.9	6.20	0.32
344074	0.04	7.63	53	7.75	172	86.6	6.35	0.39
344075	0.11	8.85	160	3.87	223	183	8.66	0.62
344076	0.06	7.66	247	6.74	156	68.5	4.69	0.80
344077	0.06	8.58	55	6.28	190	111	6.97	0.11
344078	0.02	8.28	27	8.27	239	115	7.50	0.05
344079	0.05	7.26	52	7.62	239	100	6.36	1.26
344080	0.05	7.29	28	7.75	133	95.3	5.59	0.58

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
344081	0.05	7.28	26	8.05	138	99.4	5.76	0.43
344082	0.04	6.89	32	8.14	107	91.1	6.17	0.41
344083	0.05	6.39	25	7.67	60	187	8.21	0.27
344084	3.37	7.19	606	2.81	48	>10000	7.38	3.36
344085	0.03	6.78	29	7.13	94	105	7.44	0.27
344086	0.03	6.91	33	6.63	50	129	7.56	0.29
344087	0.06	6.44	42	6.40	55	80.3	7.33	0.33
344088	0.07	7.92	23	5.34	60	162	9.46	0.18
344089	0.05	6.88	48	7.40	48	92.5	6.34	0.39
344090	0.04	7.02	47	6.73	63	107	6.33	0.39
344091	0.03	3.64	19	5.65	48	19.6	5.43	0.14
344092	0.05	7.06	113	6.41	83	99.1	7.31	0.28
344093	0.06	6.84	35	6.75	54	140	7.14	0.27
344094	0.05	7.30	40	5.67	51	105	7.74	0.27
344095	0.07	7.79	35	5.33	55	122	7.54	0.24
344096	0.08	9.74	687	4.27	20	20.5	5.59	2.12
344097	0.05	7.50	76	7.21	54	112	7.37	0.40
344098	0.04	7.50	28	7.00	87	116	7.45	0.08
344099	0.04	7.54	5	6.89	75	104	8.45	0.02
344100	0.06	7.63	6	6.20	59	107	7.67	0.03
344101	0.05	7.88	33	6.80	80	116	7.43	0.10
344102	0.08	8.24	136	6.18	70	110	7.63	0.37
344103	0.07	8.36	14	5.28	69	133	8.30	0.05
344104	0.09	2.44	39	4.29	52	364	4.70	0.18
344105	0.05	7.52	56	6.33	156	66.6	7.61	0.32
344106	0.07	7.50	96	6.01	153	119	7.91	0.41
344107	0.13	7.17	120	5.66	45	121	11.2	0.19
344108	0.19	7.52	376	5.02	143	82.6	8.70	0.86
344109	0.07	7.89	78	6.60	151	127	6.04	0.56
344110	0.06	8.13	40	6.72	156	90.5	6.25	0.39
344111	0.05	8.53	270	6.44	128	82.9	5.93	1.01
344112	0.05	7.75	132	5.63	151	108	6.45	0.72
344113	0.05	8.15	68	7.11	283	104	5.47	0.84
344114	0.03	6.97	43	7.83	230	81.1	5.00	0.57
344115	0.05	8.37	9	5.72	157	112	7.22	0.07
*Dup 344031	0.08	7.81	69	8.98	111	112	7.48	0.39
*Dup 344069	0.11	8.54	73	8.10	176	168	6.69	0.27
*Dup 344111	0.06	8.63	264	6.56	138	87.4	5.98	1.00
*Rep 344040	0.05	9.20	75	6.59	206	135	5.92	0.25
*Rep 344073	0.04	6.85	49	10.8	101	61.0	6.11	0.31

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
*Rep 344078	0.02	8.44	27	8.49	292	109	7.62	0.05
*Rep 344114	<0.02	7.33	44	8.20	245	94.6	5.23	0.53
*Rep 344115	0.06	8.40	9	5.80	161	111	7.22	0.06
*Blk BLANK	<0.02	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01
*Blk BLANK	<0.02	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01
*Std OREAS-903	0.26	5.73	206	0.63	78	6231	3.95	3.48
*Std RTS-3A	12.6	5.26	112	2.23	141	2445	>15	0.48
*Std OREAS-903	0.40	6.30	217	0.65	71	6588	4.27	3.47
*Blk BLANK	<0.02	<0.01	<1	0.02	<1	<0.5	<0.01	<0.01
*Blk BLANK	<0.02	<0.01	<1	0.02	<1	0.6	<0.01	<0.01
*Std OREAS-903	0.40	6.23	198	0.57	74	6236	3.90	3.52
*Std RTS-3A	11.4	5.48	105	1.98	145	2490	>15	0.51
*Std OREAS-903	0.36	5.84	210	0.64	72	5954	3.95	3.38

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Li GE_ICM40B 1 ppm	@Mg GE_ICM40B 0.01 %	@Mn GE_ICM40B 2 ppm	@Na GE_ICM40B 0.01 %	@Ni GE_ICM40B 0.5 ppm	@P GE_ICM40B 50 ppm	@S GE_ICM40B 0.01 %	@Sr GE_ICM40B 0.5 ppm
344001	21	2.82	1378	2.06	152	244	0.12	104
344002	19	2.64	1477	1.54	141	230	0.13	88.9
344003	17	2.70	1513	0.40	134	193	0.07	42.9
344004	18	2.86	1596	0.78	147	280	0.11	55.7
344005	23	3.61	1393	0.78	156	234	0.02	55.1
344006	22	3.55	1433	1.07	133	204	0.02	64.0
344007	20	3.54	1325	1.34	148	238	0.02	72.1
344008	20	3.81	1517	1.42	143	212	0.01	69.6
344009	20	3.89	1438	0.93	148	209	<0.01	52.3
344010	13	2.57	1670	1.06	164	256	0.37	105
344011	11	2.41	1879	1.38	147	224	0.19	91.9
344012	10	3.63	2330	2.08	138	1989	0.93	365
344013	13	2.82	1703	1.88	158	247	0.11	84.8
344014	15	2.86	1787	1.31	152	229	0.12	79.7
344015	16	3.65	1443	1.68	163	280	0.21	110
344016	11	4.09	1305	1.72	147	331	0.19	135
344017	15	3.62	1302	1.14	115	249	<0.01	102
344018	17	3.82	1426	1.48	142	380	0.45	112
344019	13	2.71	1426	1.95	136	317	0.16	112
344020	16	2.71	1440	1.42	132	340	0.11	129
344021	21	3.64	1366	1.12	128	323	0.08	102
344022	18	2.77	1371	0.18	99.1	496	0.08	60.2
344023	21	3.78	1253	0.47	86.6	656	0.08	67.6
344024	23	1.70	990	3.21	13.2	1957	0.17	600
344025	21	3.63	1281	1.02	117	411	0.23	96.0
344026	17	2.87	1302	1.33	119	320	0.15	126
344027	10	1.29	379	2.82	81.7	355	0.24	401
344028	19	3.20	968	1.07	173	1054	0.25	396
344029	11	1.79	656	1.52	88.3	575	0.38	365
344030	14	2.29	1264	0.67	126	353	0.54	228
344031	17	2.79	1536	1.63	109	277	0.18	240
344032	24	3.56	1344	1.24	107	252	0.12	114
344033	21	2.43	1279	1.77	141	317	0.90	116
344034	22	2.30	1439	1.39	126	307	0.30	108
344035	23	2.48	1434	1.15	107	242	0.94	74.7
344036	9	3.13	3721	1.72	119	2292	1.84	306
344037	19	2.10	1235	2.59	137	310	0.25	99.4
344038	16	1.95	1322	3.50	139	313	0.19	127
344039	16	2.07	1193	2.88	145	304	0.18	124
344040	17	2.29	1188	3.20	149	371	0.11	127

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Li	@Mg	@Mn	@Na	@Ni	@P	@S	@Sr
	GE_ICM40B 1 ppm	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm	GE_ICM40B 50 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm
344041	17	2.23	1336	3.14	148	351	0.15	137
344042	15	2.05	1266	2.80	145	325	0.17	133
344043	20	5.04	1294	1.01	121	184	0.02	102
344044	12	2.81	1386	0.90	72.5	128	0.02	116
344045	18	4.50	1256	1.56	139	245	0.09	142
344046	18	4.29	1279	1.77	140	255	0.04	146
344047	15	3.70	1407	1.48	116	265	0.20	139
344048	21	1.68	960	3.05	14.0	2016	0.16	576
344049	19	4.11	1174	1.66	141	242	0.05	126
344050	19	4.00	1233	1.44	136	246	0.03	109
344051	20	4.14	1308	1.04	153	227	0.03	89.4
344052	21	4.08	1470	1.06	140	252	0.03	89.3
344053	22	3.84	1267	0.42	155	260	0.08	55.8
344054	23	3.74	1454	0.15	156	271	0.23	53.4
344055	20	2.62	1558	0.31	141	290	0.77	74.7
344056	19	2.30	1525	1.74	130	286	0.19	81.9
344057	16	1.79	1599	0.30	120	201	1.52	66.3
344058	17	2.35	1776	1.20	122	259	0.29	85.7
344059	19	2.30	1599	1.83	131	323	0.16	83.4
344060	32	1.45	558	2.23	46.4	1117	0.39	334
344061	19	2.21	1828	0.38	123	266	0.89	65.0
344062	13	1.29	1844	0.73	104	245	0.76	89.5
344063	19	1.99	1457	1.94	127	308	0.15	99.1
344064	14	1.77	1641	1.39	131	332	0.25	131
344065	22	1.71	1567	0.89	128	283	0.24	89.7
344066	20	1.60	1517	1.37	123	300	0.24	83.0
344067	7	1.88	1634	2.10	128	321	0.17	132
344068	13	1.80	1702	2.09	132	348	0.18	104
344069	16	2.03	1679	1.99	146	371	0.18	129
344070	19	2.19	1481	1.81	132	358	0.17	104
344071	26	2.80	1398	1.63	131	303	0.13	111
344072	22	1.71	992	3.15	14.2	1979	0.16	603
344073	24	2.39	1807	0.69	110	265	0.14	95.1
344074	27	2.12	1539	1.08	117	186	0.14	109
344075	37	2.42	1300	1.15	114	283	2.87	131
344076	17	1.45	1442	1.99	115	228	0.25	106
344077	20	3.36	1641	1.67	120	331	0.05	102
344078	7	4.30	1459	1.55	156	234	0.04	110
344079	17	4.37	1202	0.71	134	204	0.27	56.0
344080	18	3.15	1214	1.28	122	192	0.31	91.6

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Li GE_ICM40B 1 ppm	@Mg GE_ICM40B 0.01 %	@Mn GE_ICM40B 2 ppm	@Na GE_ICM40B 0.01 %	@Ni GE_ICM40B 0.5 ppm	@P GE_ICM40B 50 ppm	@S GE_ICM40B 0.01 %	@Sr GE_ICM40B 0.5 ppm
344081	20	3.32	1320	1.40	124	206	0.46	84.3
344082	18	3.14	1461	1.15	107	202	0.49	77.8
344083	19	3.56	1872	0.93	68.6	268	1.00	64.0
344084	20	1.86	566	2.22	19.8	1095	1.46	483
344085	19	3.43	1548	1.33	68.2	261	0.47	69.7
344086	19	3.53	1683	1.20	70.4	259	0.42	68.2
344087	18	3.20	1457	0.81	68.2	229	0.26	63.1
344088	20	3.24	1648	1.18	80.3	304	0.65	62.7
344089	18	3.40	1526	1.29	72.1	282	0.17	85.8
344090	19	3.15	1306	1.28	70.0	307	0.43	83.9
344091	11	3.00	1223	0.38	35.4	187	0.05	36.7
344092	20	3.54	1425	1.11	71.9	291	0.19	71.7
344093	19	3.71	1575	1.21	69.9	276	0.14	66.6
344094	20	3.19	1270	0.94	75.9	275	0.25	65.5
344095	19	3.15	1391	1.21	77.3	315	0.15	88.4
344096	22	1.70	925	2.85	13.3	1811	0.16	598
344097	18	3.01	1589	1.47	74.4	292	0.12	86.0
344098	21	2.77	1478	1.78	73.1	259	0.13	66.5
344099	19	3.70	1759	1.23	74.7	293	0.08	59.4
344100	16	3.15	1546	1.62	76.2	289	0.06	71.6
344101	17	2.43	1607	1.98	75.5	302	0.12	81.0
344102	17	2.27	1555	1.97	79.6	306	0.32	69.8
344103	22	2.66	1431	2.13	83.0	300	0.26	70.6
344104	8	1.14	789	0.25	68.0	108	1.80	34.6
344105	25	3.94	1457	1.31	96.5	248	0.14	100
344106	27	3.56	1266	1.13	98.2	442	0.40	109
344107	8	2.90	1735	1.36	62.7	1944	0.42	162
344108	10	3.91	2346	2.10	123	1913	0.90	372
344109	31	3.28	1575	1.11	110	315	0.52	138
344110	33	3.00	1345	0.78	119	303	0.10	174
344111	23	3.05	1352	1.26	91.1	588	0.13	126
344112	21	3.38	1453	1.67	98.1	307	0.19	89.5
344113	34	3.28	1066	1.10	72.8	182	0.07	76.7
344114	34	3.18	1227	0.95	74.6	170	0.06	74.2
344115	20	3.31	1551	2.16	116	309	0.15	80.3
*Dup 344031	18	2.81	1519	1.66	114	274	0.17	241
*Dup 344069	16	1.97	1662	1.97	138	366	0.18	127
*Dup 344111	23	3.14	1367	1.32	91.1	617	0.14	127
*Rep 344040	18	2.33	1223	3.32	150	366	0.11	131
*Rep 344073	24	2.37	1779	0.68	111	256	0.14	93.2

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Li GE_ICM40B 1 ppm	@Mg GE_ICM40B 0.01 %	@Mn GE_ICM40B 2 ppm	@Na GE_ICM40B 0.01 %	@Ni GE_ICM40B 0.5 ppm	@P GE_ICM40B 50 ppm	@S GE_ICM40B 0.01 %	@Sr GE_ICM40B 0.5 ppm
*Rep 344078	6	4.40	1516	1.64	155	240	0.04	111
*Rep 344114	34	3.59	1230	1.05	76.7	206	0.07	77.9
*Rep 344115	20	3.34	1554	2.19	116	342	0.14	81.2
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Std OREAS-903	16	0.72	714	0.03	54.0	1181	0.47	74.9
*Std RTS-3A	14	2.17	1476	0.67	60.1	464	>5.00	47.3
*Std OREAS-903	18	0.73	690	0.03	54.1	1166	0.54	80.1
*Blk BLANK	<1	<0.01	2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	0.7
*Std OREAS-903	19	0.67	698	0.03	51.8	1116	0.50	75.8
*Std RTS-3A	16	2.42	1490	0.71	56.4	449	>5.00	49.0
*Std OREAS-903	16	0.70	687	0.03	50.9	1136	0.52	75.4

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Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.01 %	2 ppm	1 ppm	0.5 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm
344001	0.41	207	71	19.2	22	0.2	<0.04	0.11
344002	0.35	196	56	13.8	15	0.2	<0.04	0.08
344003	0.34	188	61	16.5	10	0.1	<0.04	0.12
344004	0.39	202	59	17.0	11	0.4	<0.04	0.11
344005	0.39	199	64	14.2	17	0.3	<0.04	0.09
344006	0.34	188	63	14.0	9	0.2	<0.04	0.09
344007	0.36	195	63	10.5	16	0.1	<0.04	0.11
344008	0.37	203	64	12.8	8	0.3	<0.04	0.07
344009	0.42	174	67	12.4	5	0.2	<0.04	0.10
344010	0.38	194	52	13.9	4	0.1	<0.04	0.16
344011	0.34	194	52	14.8	10	0.2	<0.04	0.11
344012	0.91	147	109	121	634	0.8	0.07	0.06
344013	0.42	225	61	16.0	9	0.2	<0.04	0.10
344014	0.40	219	64	17.6	5	0.2	<0.04	0.09
344015	0.49	244	67	16.9	12	0.3	<0.04	0.11
344016	0.56	248	70	18.8	9	0.3	<0.04	0.19
344017	0.44	186	61	15.3	9	0.3	<0.04	0.06
344018	0.55	240	74	17.7	4	0.2	<0.04	0.11
344019	0.55	228	64	17.6	16	0.3	<0.04	0.08
344020	0.55	248	70	16.6	32	0.2	0.04	0.10
344021	0.53	220	71	18.6	6	0.3	<0.04	0.10
344022	0.43	182	60	30.7	4	0.3	<0.04	0.10
344023	0.38	175	58	37.4	<1	0.5	<0.04	0.10
344024	0.72	138	96	81.2	<1	2.4	<0.04	0.09
344025	0.48	205	79	30.6	<1	0.5	<0.04	0.14
344026	0.47	200	74	22.1	<1	0.3	<0.04	0.11
344027	0.08	101	86	52.3	8	0.8	0.14	0.17
344028	0.06	118	167	83.2	51	1.0	0.09	0.92
344029	0.11	146	95	90.6	13	0.7	0.05	0.18
344030	0.22	206	79	39.0	24	0.3	0.07	0.11
344031	0.12	192	73	26.7	15	0.3	<0.04	0.13
344032	0.05	182	80	25.1	44	0.2	<0.04	0.12
344033	0.07	224	83	31.3	52	0.2	0.04	0.15
344034	0.08	223	83	22.7	63	0.2	<0.04	0.11
344035	0.05	154	92	25.1	40	0.2	0.09	0.12
344036	0.73	138	114	105	1220	0.6	0.11	0.16
344037	0.08	220	213	32.7	76	0.2	<0.04	0.62
344038	0.07	211	109	19.4	39	0.3	<0.04	0.24
344039	0.08	228	90	29.3	46	0.3	<0.04	0.15
344040	0.07	251	86	25.9	35	0.2	<0.04	0.10

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Element Method Det.Lim. Units	@Ti GE_ICM40B 0.01 %	@V GE_ICM40B 2 ppm	@Zn GE_ICM40B 1 ppm	@Zr GE_ICM40B 0.5 ppm	@As GE_ICM40B 1 ppm	@Be GE_ICM40B 0.1 ppm	@Bi GE_ICM40B 0.04 ppm	@Cd GE_ICM40B 0.02 ppm
344041	0.07	240	92	28.1	34	0.3	<0.04	0.13
344042	0.07	235	88	26.4	31	0.3	<0.04	0.14
344043	0.03	194	60	16.9	29	<0.1	<0.04	0.06
344044	0.03	115	41	8.5	15	0.2	<0.04	0.07
344045	0.04	197	75	15.4	46	0.1	<0.04	0.07
344046	0.04	171	73	17.6	50	0.2	<0.04	0.08
344047	0.05	166	109	21.8	48	0.1	<0.04	0.30
344048	0.69	138	99	83.5	<1	2.7	0.04	0.08
344049	0.05	178	90	18.4	58	0.1	<0.04	0.08
344050	0.05	201	76	19.3	69	0.2	<0.04	0.08
344051	0.04	178	117	21.0	79	<0.1	<0.04	0.07
344052	0.04	202	273	26.6	91	0.2	<0.04	0.14
344053	0.05	202	131	25.5	98	<0.1	<0.04	0.11
344054	0.05	214	255	28.0	98	<0.1	<0.04	0.22
344055	0.06	217	224	37.0	144	0.2	0.08	0.36
344056	0.06	208	166	27.7	83	0.2	<0.04	0.23
344057	0.04	149	158	47.8	109	0.3	0.08	0.13
344058	0.05	195	143	30.2	62	0.2	<0.04	0.28
344059	0.07	208	79	26.4	68	0.2	<0.04	0.08
344060	0.48	122	79	70.6	21	2.8	1.50	0.13
344061	0.05	174	118	30.2	48	0.2	0.08	0.24
344062	0.07	176	88	28.0	41	0.2	0.05	0.21
344063	0.14	215	138	19.4	33	0.2	<0.04	0.35
344064	0.47	256	91	18.2	16	0.2	<0.04	0.16
344065	0.07	241	81	28.6	56	0.1	<0.04	0.13
344066	0.10	226	77	20.2	40	0.3	<0.04	0.12
344067	0.57	256	82	24.2	9	0.3	<0.04	0.12
344068	0.15	227	80	18.7	38	0.2	<0.04	0.13
344069	0.08	258	85	18.2	42	0.2	<0.04	0.13
344070	0.07	249	87	15.3	36	0.2	<0.04	0.14
344071	0.07	206	72	17.2	45	0.2	<0.04	0.10
344072	0.71	137	97	91.3	<1	2.2	<0.04	0.11
344073	0.06	182	67	21.3	49	0.2	<0.04	0.09
344074	0.06	210	75	18.0	29	0.1	<0.04	0.09
344075	0.06	254	235	62.1	7	0.2	0.11	0.78
344076	0.07	251	85	28.0	33	0.2	<0.04	0.12
344077	0.29	244	86	13.5	10	0.2	<0.04	0.08
344078	0.40	187	67	7.3	<1	0.1	<0.04	0.07
344079	0.05	166	54	17.8	114	<0.1	<0.04	0.04
344080	0.05	169	49	17.0	247	0.1	<0.04	0.07

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Element Method Det.Lim. Units	@Ti GE_ICM40B 0.01 %	@V GE_ICM40B 2 ppm	@Zn GE_ICM40B 1 ppm	@Zr GE_ICM40B 0.5 ppm	@As GE_ICM40B 1 ppm	@Be GE_ICM40B 0.1 ppm	@Bi GE_ICM40B 0.04 ppm	@Cd GE_ICM40B 0.02 ppm
344081	0.04	171	50	17.5	375	0.1	<0.04	0.08
344082	0.05	165	52	17.2	368	0.1	<0.04	0.09
344083	0.05	197	66	27.3	290	0.2	<0.04	0.09
344084	0.33	167	97	45.1	7	0.9	4.75	0.19
344085	0.05	186	64	29.4	56	0.2	<0.04	0.08
344086	0.06	204	82	28.5	64	0.2	<0.04	0.19
344087	0.06	190	73	26.7	59	0.1	<0.04	0.08
344088	0.09	243	84	33.1	44	0.1	<0.04	0.07
344089	0.06	207	65	27.9	63	0.2	<0.04	0.07
344090	0.07	202	63	29.8	54	0.1	<0.04	0.08
344091	0.04	105	50	14.5	25	<0.1	<0.04	0.06
344092	0.08	206	78	27.1	65	0.2	<0.04	0.10
344093	0.05	204	73	27.1	51	0.2	<0.04	0.07
344094	0.07	208	74	29.3	45	0.2	<0.04	0.07
344095	0.08	238	88	34.8	51	0.2	<0.04	0.07
344096	0.65	131	94	82.2	1	2.3	<0.04	0.09
344097	0.07	214	75	30.7	72	0.3	<0.04	0.10
344098	0.07	224	102	30.9	100	0.1	<0.04	0.11
344099	0.21	229	81	20.1	27	0.2	<0.04	0.08
344100	0.38	259	91	6.2	19	0.2	<0.04	0.09
344101	0.24	250	88	12.2	40	0.2	<0.04	0.08
344102	0.13	255	113	21.7	45	0.2	<0.04	0.08
344103	0.08	247	139	24.5	65	0.2	<0.04	0.09
344104	0.02	70	69	17.2	1977	<0.1	0.06	0.11
344105	0.06	190	212	22.6	425	0.2	<0.04	0.15
344106	0.22	197	186	38.6	387	0.3	<0.04	0.34
344107	1.37	321	259	173	449	0.8	0.08	0.77
344108	0.89	144	107	123	636	0.9	0.08	0.09
344109	0.07	196	142	38.3	143	0.3	0.06	0.27
344110	0.05	212	116	30.8	87	0.3	<0.04	0.12
344111	0.08	182	96	55.5	71	0.5	<0.04	0.12
344112	0.10	213	95	34.9	61	0.3	<0.04	0.14
344113	0.05	191	59	23.9	37	0.2	<0.04	0.07
344114	0.04	160	49	22.6	20	0.1	0.10	0.07
344115	0.24	236	78	25.9	16	0.2	<0.04	0.11
*Dup 344031	0.11	193	78	26.0	16	0.3	<0.04	0.15
*Dup 344069	0.07	263	85	16.9	44	0.2	<0.04	0.13
*Dup 344111	0.08	183	99	55.4	64	0.4	<0.04	0.10
*Rep 344040	0.07	238	84	27.6				
*Rep 344073	0.06	183	59	23.5				

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.01 %	2 ppm	1 ppm	0.5 ppm	1 ppm	0.1 ppm	0.04 ppm	0.02 ppm
*Rep 344078	0.40	198	66	7.7				
*Rep 344114	0.03	153	45	21.1				
*Rep 344115	0.24	237	79	26.8				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Std OREAS-903	0.15	65	24	143				
*Std RTS-3A	0.33	112	2675	66.2				
*Std OREAS-903	0.16	76	23	140				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Std OREAS-903	0.16	75	25	153				
*Std RTS-3A	0.31	107	2708	64.2				
*Std OREAS-903	0.15	69	21	141				
*Rep 344040					37	0.2	<0.04	0.11
*Rep 344073					51	0.2	<0.04	0.09
*Rep 344078					<1	0.1	<0.04	0.09
*Rep 344114					15	0.1	<0.04	0.07
*Rep 344115					13	0.2	<0.04	0.10
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Std OREAS-901					71	6.5	4.53	0.05
*Std OREAS-903					48	4.2	9.04	0.19
*Std RTS-3A					18	0.3	31.3	8.95
*Std OREAS-903					51	4.4	8.67	0.18
*Std RTS-3A					20	0.3	31.8	9.39
*Std OREAS-903					49	4.6	8.54	0.20
*Std OREAS-903					46	4.3	8.84	0.19
*Std RTS-3A					24	0.2	30.9	8.79

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
344001	5.40	44.3	<1	13.1	0.17	0.05	2.0	0.20
344002	5.41	41.6	<1	13.1	0.16	0.05	2.0	0.20
344003	4.98	40.0	<1	13.0	0.37	0.04	1.9	0.18
344004	6.35	39.9	<1	14.0	0.29	0.05	2.3	0.21
344005	4.97	44.8	<1	14.0	0.23	0.04	1.8	0.20
344006	4.32	38.7	<1	12.3	0.22	0.10	1.6	0.19
344007	4.70	41.6	<1	12.5	0.16	0.04	1.7	0.19
344008	5.12	41.9	<1	12.2	0.21	0.03	1.8	0.19
344009	5.52	42.5	<1	10.5	0.22	0.03	2.0	0.19
344010	4.86	41.3	<1	12.9	0.19	0.05	1.8	0.20
344011	4.55	41.1	<1	11.7	0.21	0.04	1.7	0.20
344012	39.4	39.5	2	17.4	3.25	0.06	20.1	0.25
344013	5.36	49.9	<1	13.6	0.30	0.05	1.9	0.22
344014	5.28	47.0	<1	13.2	0.24	0.05	2.0	0.21
344015	7.00	50.8	<1	14.7	0.41	0.05	2.5	0.23
344016	8.53	42.1	<1	16.0	0.45	0.06	3.1	0.24
344017	6.23	33.8	<1	12.9	0.27	0.05	2.3	0.19
344018	8.61	42.3	<1	14.7	0.24	0.06	3.1	0.21
344019	8.02	40.9	<1	15.0	0.25	0.06	2.9	0.22
344020	8.35	43.6	<1	15.2	0.19	0.06	3.0	0.21
344021	7.64	41.5	<1	14.5	0.19	0.06	2.7	0.22
344022	7.11	35.4	1	12.1	0.78	0.05	2.5	0.21
344023	12.1	33.3	<1	11.4	1.02	0.05	4.7	0.22
344024	73.1	20.9	1	23.8	2.28	0.09	30.1	0.53
344025	13.8	41.3	<1	14.2	0.61	0.06	5.4	0.21
344026	6.59	38.6	<1	13.4	0.55	0.05	2.4	0.22
344027	34.8	19.2	<1	16.0	1.58	<0.02	15.9	0.11
344028	40.9	33.0	<1	13.9	2.31	0.03	17.7	0.17
344029	35.7	28.1	2	19.6	2.63	0.04	15.5	0.18
344030	12.6	48.5	1	15.0	1.21	0.06	5.1	0.23
344031	7.36	44.6	<1	13.3	0.80	0.05	2.9	0.17
344032	5.89	43.3	<1	13.5	0.72	0.06	2.1	0.13
344033	6.38	49.6	<1	15.0	0.88	0.06	2.3	0.13
344034	6.93	47.2	<1	14.5	0.65	0.05	2.5	0.14
344035	5.46	44.8	<1	12.4	0.79	0.09	2.2	0.16
344036	39.1	31.0	4	14.8	2.77	0.07	22.0	0.26
344037	4.73	45.4	<1	15.8	0.96	0.10	1.8	0.19
344038	7.60	45.4	<1	15.6	0.57	0.07	2.8	0.19
344039	7.60	50.0	<1	16.5	0.84	0.06	2.8	0.16
344040	8.95	48.6	<1	18.1	0.69	0.07	3.3	0.17

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
344041	9.24	51.7	<1	18.1	0.51	0.06	3.5	0.22
344042	9.76	48.3	<1	17.7	0.66	0.07	3.6	0.21
344043	4.03	46.2	<1	13.0	0.43	0.04	1.4	0.12
344044	4.36	26.1	<1	10.2	0.21	0.03	1.6	0.14
344045	5.95	51.9	<1	15.6	0.40	0.06	2.1	0.13
344046	4.99	49.3	<1	15.1	0.42	0.06	1.8	0.13
344047	5.23	46.6	<1	14.4	0.55	0.06	1.9	0.16
344048	82.4	21.0	1	25.8	2.51	0.09	34.0	0.55
344049	6.12	47.6	<1	15.1	0.52	0.05	2.2	0.12
344050	5.27	44.7	<1	15.1	0.58	0.05	2.0	0.12
344051	5.79	45.5	<1	14.6	0.55	0.05	2.5	0.13
344052	5.55	45.1	<1	16.1	0.75	0.06	2.0	0.14
344053	5.95	46.8	<1	15.2	0.71	0.06	2.1	0.14
344054	6.60	50.2	1	15.8	0.78	0.07	2.5	0.16
344055	6.67	45.5	2	17.4	1.12	0.15	2.6	0.23
344056	7.81	43.2	<1	15.4	0.80	0.07	3.0	0.20
344057	12.0	37.7	1	11.7	0.85	0.08	5.4	0.22
344058	6.52	42.4	<1	15.0	0.85	0.06	2.4	0.16
344059	8.40	45.2	<1	16.4	0.80	0.06	3.1	0.18
344060	70.9	14.7	11	20.0	2.44	0.23	32.8	0.39
344061	9.16	39.9	<1	13.3	0.89	0.07	3.5	0.19
344062	6.40	37.2	1	13.1	0.90	0.07	2.2	0.18
344063	8.75	44.0	<1	16.9	0.63	0.08	3.1	0.20
344064	8.03	45.6	<1	17.8	0.58	0.07	2.9	0.26
344065	6.84	44.0	<1	16.2	0.89	0.06	2.4	0.20
344066	7.85	45.2	<1	14.9	0.64	0.06	2.8	0.19
344067	8.72	46.7	<1	15.7	0.65	0.06	3.1	0.29
344068	9.14	47.6	<1	15.5	0.57	0.06	3.2	0.27
344069	9.62	52.1	<1	16.6	0.37	0.07	3.4	0.26
344070	9.20	46.8	<1	14.8	0.18	0.07	3.3	0.23
344071	9.10	42.4	<1	17.1	0.42	0.06	3.4	0.22
344072	76.5	19.2	1	23.9	2.73	0.08	29.5	0.56
344073	6.01	33.5	<1	12.4	0.67	0.06	2.2	0.16
344074	6.72	39.3	<1	12.9	0.62	0.05	2.4	0.18
344075	12.5	45.1	<1	15.5	1.97	0.07	5.7	0.23
344076	6.80	39.3	<1	14.5	0.93	0.06	2.3	0.21
344077	7.62	42.1	<1	14.0	0.40	0.06	2.7	0.22
344078	5.09	42.4	<1	12.5	0.47	0.05	1.8	0.20
344079	3.52	35.9	1	9.4	0.52	0.04	1.2	0.08
344080	4.00	36.3	<1	10.9	0.53	0.04	1.3	0.07

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Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
344081	4.32	37.7	<1	10.9	0.55	0.04	1.4	0.07
344082	5.04	37.1	<1	10.9	0.56	0.04	1.7	0.07
344083	5.54	37.0	<1	11.3	0.77	0.05	1.9	0.08
344084	24.1	19.5	2	14.3	1.41	0.67	11.0	0.23
344085	6.54	38.4	<1	12.5	0.90	0.05	2.2	0.09
344086	6.43	38.8	<1	12.7	0.84	0.06	2.2	0.08
344087	5.45	34.6	<1	12.0	0.80	0.05	1.9	0.10
344088	7.12	40.3	<1	14.0	0.96	0.06	2.4	0.10
344089	6.28	35.3	<1	12.0	0.86	0.05	2.2	0.08
344090	6.12	36.0	<1	12.0	0.91	0.05	2.1	0.09
344091	3.07	16.3	<1	6.3	0.41	0.04	1.0	0.06
344092	7.82	44.6	<1	13.8	0.95	0.05	2.7	0.11
344093	6.05	35.8	<1	12.0	0.83	0.05	2.1	0.10
344094	7.15	41.6	<1	14.5	0.94	0.05	2.4	0.11
344095	7.85	45.6	<1	15.2	1.10	0.06	2.7	0.10
344096	77.0	19.7	1	23.6	2.24	0.08	29.7	0.50
344097	7.57	45.9	<1	14.3	1.00	0.06	2.6	0.12
344098	7.15	43.6	<1	14.3	0.94	0.06	2.4	0.13
344099	6.77	43.5	<1	14.3	0.68	0.05	2.2	0.20
344100	7.96	44.0	<1	15.2	0.18	0.06	2.6	0.25
344101	8.04	46.3	<1	15.7	0.38	0.06	2.7	0.20
344102	7.63	40.0	<1	15.3	0.72	0.06	2.6	0.14
344103	8.16	49.0	<1	16.7	0.79	0.07	2.7	0.12
344104	7.89	28.3	<1	5.6	0.54	0.08	3.0	0.09
344105	5.75	42.0	<1	13.7	0.75	0.09	1.9	0.08
344106	11.4	44.6	2	14.2	1.19	0.10	4.1	0.16
344107	57.3	50.7	4	19.2	5.14	0.19	22.5	0.67
344108	42.0	36.4	2	17.6	3.44	0.06	20.0	0.26
344109	10.4	40.6	1	14.7	1.28	0.07	3.7	0.13
344110	8.68	42.9	<1	14.3	0.96	0.06	3.0	0.16
344111	25.6	39.1	1	16.0	1.72	0.06	10.1	0.17
344112	9.63	41.0	<1	15.5	1.10	0.07	3.4	0.14
344113	5.33	37.2	<1	12.9	0.73	0.04	1.8	0.13
344114	5.62	27.3	<1	10.2	0.72	0.04	2.1	0.13
344115	8.55	44.0	<1	15.0	0.85	0.06	2.8	0.19
*Dup 344031	7.07	43.6	<1	13.1	0.73	0.05	2.8	0.17
*Dup 344069	9.24	48.4	<1	16.1	0.48	0.07	3.2	0.26
*Dup 344111	26.4	36.2	1	16.1	1.76	0.06	10.6	0.17

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Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
*Rep 344040	9.35	50.6	<1	18.1	0.68	0.07	3.4	0.17
*Rep 344073	5.75	33.0	<1	12.1	0.72	0.06	2.1	0.17
*Rep 344078	4.85	41.8	<1	12.4	0.45	0.06	1.7	0.20
*Rep 344114	5.63	26.6	<1	11.2	0.69	0.04	2.1	0.12
*Rep 344115	8.35	42.1	<1	14.8	0.91	0.06	2.8	0.20
*Bik BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Bik BLANK	<0.05	0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Bik BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Bik BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Bik BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Std OREAS-901	94.6	75.6	5	18.7	5.16	0.26	44.2	0.54
*Std OREAS-903	78.9	126	3	13.8	4.50	0.15	39.1	0.34
*Std RTS-3A	21.6	126	<1	35.7	1.78	1.56	8.4	0.21
*Std OREAS-903	78.5	126	3	15.4	4.55	0.14	40.1	0.35
*Std RTS-3A	24.7	125	<1	39.3	1.88	1.69	9.5	0.22
*Std OREAS-903	80.3	129	3	15.4	4.50	0.13	37.3	0.35
*Std OREAS-903	76.6	130	3	14.8	4.35	0.14	34.9	0.36
*Std RTS-3A	23.7	125	<1	36.2	1.93	1.61	8.7	0.21

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Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
344001	0.25	2.1	0.6	7.7	0.39	33.4	<2	0.6
344002	0.30	1.8	1.3	10.7	0.41	30.3	<2	1.1
344003	0.91	2.5	<0.5	32.8	0.24	27.4	<2	0.5
344004	1.14	2.2	0.8	33.5	0.26	30.4	<2	0.6
344005	0.39	2.3	<0.5	27.2	0.36	33.4	<2	0.6
344006	0.66	1.7	0.8	10.7	0.29	30.4	<2	0.8
344007	0.33	2.3	<0.5	6.1	0.42	31.4	<2	0.9
344008	0.21	1.7	<0.5	3.0	0.21	30.7	<2	1.3
344009	0.86	2.0	<0.5	3.7	0.32	31.9	<2	0.4
344010	0.50	2.3	<0.5	2.6	0.71	31.2	<2	0.8
344011	0.32	2.0	<0.5	1.1	0.57	29.6	<2	0.7
344012	3.20	20.9	5.0	20.7	0.85	14.8	<2	2.0
344013	0.34	1.8	<0.5	1.9	0.84	34.2	<2	0.6
344014	0.31	1.7	0.7	3.1	0.61	33.4	<2	0.9
344015	0.59	2.8	<0.5	6.3	1.27	36.8	<2	0.6
344016	0.51	3.5	0.8	3.3	1.34	33.0	<2	0.8
344017	0.69	2.6	<0.5	2.6	0.72	25.9	<2	0.5
344018	0.27	3.3	<0.5	5.4	1.01	30.1	<2	0.8
344019	0.36	3.2	0.9	8.5	0.92	30.6	<2	0.7
344020	0.32	3.2	0.8	15.5	0.67	31.0	<2	0.7
344021	0.32	3.0	0.5	14.4	0.54	28.5	<2	0.6
344022	0.36	2.4	<0.5	34.1	0.43	23.9	<2	0.6
344023	0.37	2.4	0.8	16.9	0.45	21.8	<2	0.7
344024	0.74	17.6	12.2	96.5	0.17	17.1	<2	2.8
344025	0.31	2.8	7.9	22.1	0.84	27.1	<2	0.6
344026	0.53	2.5	2.6	21.8	0.74	26.6	<2	0.6
344027	2.15	1.0	25.2	37.3	1.31	10.1	<2	0.5
344028	2.53	0.7	16.7	33.0	1.68	17.2	<2	0.6
344029	8.98	1.3	12.9	61.6	1.73	20.3	<2	0.7
344030	1.12	1.1	5.6	42.3	1.01	29.4	<2	0.6
344031	0.34	1.3	2.4	12.6	0.57	28.0	<2	0.3
344032	0.25	0.6	1.4	5.6	0.70	27.3	<2	<0.3
344033	0.42	0.7	5.2	25.2	0.58	30.0	<2	0.4
344034	0.80	0.5	4.5	12.1	0.60	29.5	<2	0.3
344035	0.86	0.5	1.9	5.2	1.01	25.1	<2	<0.3
344036	3.29	18.9	6.8	18.0	1.69	12.2	2	2.3
344037	0.69	0.7	3.0	22.6	0.77	31.0	<2	0.5
344038	0.68	0.6	2.3	7.9	0.42	30.5	<2	<0.3
344039	0.81	0.6	2.1	14.0	0.52	33.6	<2	0.3
344040	0.29	0.7	1.9	8.4	1.18	36.8	<2	0.8

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
344041	0.28	0.7	1.3	5.8	0.41	36.2	<2	<0.3
344042	0.34	0.7	1.5	10.2	1.02	35.9	<2	<0.3
344043	0.18	0.3	0.6	0.3	0.47	32.8	<2	<0.3
344044	0.83	0.2	<0.5	8.7	0.34	18.0	<2	<0.3
344045	0.34	0.4	1.5	1.9	1.53	31.2	<2	0.4
344046	0.45	0.3	0.9	0.5	1.38	30.6	<2	0.3
344047	0.73	0.3	3.5	3.5	0.87	27.2	<2	<0.3
344048	0.87	15.7	12.4	106	0.08	18.4	<2	2.7
344049	0.23	0.8	1.1	1.9	0.65	29.0	<2	<0.3
344050	0.22	0.4	1.5	3.4	0.81	30.8	<2	0.3
344051	0.22	0.3	1.7	6.5	0.77	28.7	<2	0.4
344052	0.22	0.3	1.0	12.9	0.57	29.9	<2	<0.3
344053	0.19	0.4	1.7	25.1	0.87	29.4	<2	0.4
344054	0.25	0.3	3.0	35.0	0.76	31.8	<2	0.5
344055	0.83	0.3	2.8	47.1	1.69	34.1	<2	1.4
344056	0.49	0.4	0.9	20.5	1.93	34.2	<2	0.4
344057	0.91	0.3	4.4	24.5	1.66	24.3	<2	0.5
344058	0.43	0.4	1.9	23.0	1.26	30.3	<2	0.3
344059	0.33	0.4	0.9	19.8	1.14	34.4	<2	0.3
344060	107	19.2	23.0	186	1.02	13.5	3	5.6
344061	0.74	0.4	3.1	19.9	1.49	25.0	<2	0.5
344062	0.79	0.3	3.2	31.7	1.10	26.3	<2	0.5
344063	0.45	0.8	2.1	17.6	1.17	35.0	<2	0.3
344064	0.37	2.4	2.9	13.6	2.61	37.8	<2	0.6
344065	0.54	0.4	3.4	15.5	1.12	35.1	<2	0.4
344066	0.27	0.4	1.5	19.8	1.01	32.5	<2	0.3
344067	0.32	2.2	1.4	0.6	1.07	34.5	<2	0.6
344068	0.22	0.4	1.5	14.1	0.55	35.7	<2	0.3
344069	0.48	0.5	1.3	9.8	0.90	38.3	<2	<0.3
344070	0.38	0.6	0.7	7.2	0.90	39.1	<2	<0.3
344071	0.23	0.5	<0.5	11.6	2.00	33.1	<2	<0.3
344072	0.70	15.6	11.5	106	0.06	17.0	<2	2.7
344073	0.54	0.6	1.2	10.9	2.05	25.5	<2	0.3
344074	0.31	1.3	2.8	9.2	1.67	32.7	<2	0.7
344075	1.09	1.0	4.7	13.9	1.05	37.8	<2	0.6
344076	0.53	1.1	1.2	23.2	1.47	38.6	<2	0.5
344077	0.31	1.7	1.2	2.9	1.94	39.3	<2	0.4
344078	0.35	3.1	0.7	0.7	1.30	35.7	<2	0.4
344079	0.17	0.5	0.7	31.4	36.5	26.9	<2	0.4
344080	0.20	0.4	0.9	17.8	26.0	30.7	<2	0.3

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344081	0.17	0.3	0.9	12.0	26.0	30.9	<2	<0.3
344082	0.34	0.3	0.9	12.1	37.4	29.9	<2	0.3
344083	0.53	0.3	0.8	7.3	17.0	29.8	<2	0.3
344084	636	6.7	20.0	63.2	1.15	14.9	8	10.3
344085	0.25	0.4	1.0	8.0	19.0	33.2	<2	<0.3
344086	0.27	0.9	2.6	8.8	48.3	32.6	<2	0.4
344087	0.51	0.3	0.6	9.8	27.4	28.7	<2	0.4
344088	0.35	0.5	3.6	5.0	13.6	34.7	<2	0.5
344089	0.33	0.5	0.7	10.7	36.3	31.9	<2	<0.3
344090	0.32	0.5	1.0	10.2	22.7	32.6	<2	0.3
344091	1.34	0.4	1.1	4.1	7.83	19.3	<2	0.4
344092	0.41	0.5	2.4	9.1	22.1	37.1	<2	0.4
344093	0.31	0.4	0.7	8.0	17.3	31.2	<2	0.5
344094	0.37	0.4	0.9	8.8	17.2	34.9	<2	0.3
344095	0.28	0.6	1.0	7.6	5.12	39.3	<2	0.3
344096	0.75	15.7	11.2	106	0.09	18.4	<2	2.6
344097	0.35	0.4	0.8	14.5	12.9	36.8	<2	0.3
344098	0.27	0.5	1.1	2.2	11.3	34.9	<2	<0.3
344099	0.26	0.7	1.0	0.3	5.59	34.8	<2	0.3
344100	0.21	1.5	1.3	0.4	4.89	38.0	<2	0.5
344101	0.30	1.3	1.9	3.1	5.64	37.5	<2	0.4
344102	0.22	0.6	2.0	13.0	3.54	37.3	<2	0.6
344103	0.28	0.6	1.6	1.9	3.00	41.1	<2	0.3
344104	3.53	0.2	1.7	7.7	3.73	11.7	<2	0.7
344105	0.49	0.4	1.5	11.4	2.90	31.2	<2	0.6
344106	0.59	2.3	2.3	15.7	3.80	30.3	<2	0.7
344107	1.73	17.0	4.3	8.7	2.35	32.9	<2	1.8
344108	3.37	22.7	4.7	24.6	0.74	15.8	<2	1.7
344109	0.46	0.6	2.9	20.4	4.57	30.2	<2	0.6
344110	0.35	0.6	2.2	13.7	2.38	30.4	<2	0.4
344111	0.47	1.0	2.3	36.1	4.41	27.7	<2	0.6
344112	0.32	0.7	1.9	22.3	8.82	33.3	<2	0.4
344113	0.16	0.3	1.6	22.3	3.62	31.0	<2	0.4
344114	0.52	0.7	1.2	13.7	4.11	27.3	<2	<0.3
344115	0.32	1.2	1.5	1.5	6.68	32.8	<2	0.3
*Dup 344031	0.32	1.4	2.6	12.0	0.62	27.8	<2	0.3
*Dup 344069	0.46	0.4	1.3	9.7	0.73	36.9	<2	<0.3
*Dup 344111	0.44	1.1	2.2	36.5	4.25	27.4	<2	0.6

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
*Rep 344040	0.34	0.6	1.5	8.4	1.03	37.9	<2	<0.3
*Rep 344073	0.58	0.4	1.1	11.2	1.96	24.5	<2	<0.3
*Rep 344078	0.40	2.6	0.9	0.8	1.45	35.0	<2	0.4
*Rep 344114	0.49	0.7	1.3	15.1	4.58	26.9	<2	0.3
*Rep 344115	0.35	1.6	1.3	1.4	6.93	33.1	<2	0.3
*Bik BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Bik BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Bik BLANK	<0.05	<0.1	<0.5	0.2	<0.05	<0.5	<2	<0.3
*Bik BLANK	<0.05	<0.1	0.5	<0.2	<0.05	<0.5	<2	<0.3
*Bik BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Std OREAS-901	3.25	6.6	16.2	157	2.50	14.7	2	3.3
*Std OREAS-903	4.20	4.8	11.1	130	1.60	10.0	4	2.5
*Std RTS-3A	2.61	3.8	221	11.1	2.99	10.7	32	44.2
*Std OREAS-903	4.28	4.5	10.3	105	1.56	9.3	5	2.5
*Std RTS-3A	3.09	4.0	214	12.2	3.03	11.3	36	45.6
*Std OREAS-903	4.31	5.2	10.4	136	1.55	10.0	4	2.4
*Std OREAS-903	4.19	4.5	10.0	122	1.52	9.8	4	2.7
*Std RTS-3A	3.00	4.1	203	13.0	2.90	11.0	32	49.0

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Element Method Det.Lim. Units	@Ta GE_ICM40B 0.05 ppm	@Tb GE_ICM40B 0.05 ppm	@Te GE_ICM40B 0.05 ppm	@Th GE_ICM40B 0.2 ppm	@Ti GE_ICM40B 0.02 ppm	@U GE_ICM40B 0.05 ppm	@W GE_ICM40B 0.1 ppm	@Y GE_ICM40B 0.1 ppm
344001	0.31	0.34	0.06	0.2	0.05	0.05	0.5	14.4
344002	0.14	0.31	<0.05	<0.2	0.06	0.05	0.4	12.6
344003	0.24	0.27	<0.05	0.2	0.11	<0.05	0.3	10.8
344004	0.19	0.33	<0.05	0.3	0.10	0.07	0.5	13.6
344005	0.23	0.31	<0.05	0.2	0.09	0.05	0.4	12.9
344006	0.14	0.28	<0.05	0.2	0.04	<0.05	0.4	11.9
344007	0.25	0.30	<0.05	0.2	0.03	<0.05	0.6	12.3
344008	0.12	0.30	<0.05	0.2	<0.02	0.05	0.3	12.5
344009	0.14	0.33	<0.05	0.2	0.02	0.05	0.3	13.0
344010	0.22	0.30	0.07	0.2	0.03	0.06	0.4	13.3
344011	0.18	0.29	<0.05	0.2	<0.02	<0.05	0.3	12.1
344012	1.45	0.71	0.06	4.1	0.09	1.14	1.1	20.5
344013	0.27	0.33	<0.05	0.2	<0.02	0.06	0.3	13.8
344014	0.24	0.33	<0.05	0.2	0.02	0.06	0.2	13.2
344015	0.28	0.38	<0.05	0.3	0.04	0.07	0.1	15.5
344016	0.34	0.42	<0.05	0.3	0.03	0.08	0.2	16.8
344017	0.22	0.33	<0.05	0.3	<0.02	0.06	<0.1	12.9
344018	0.31	0.41	<0.05	0.4	0.03	0.11	0.1	15.7
344019	0.24	0.41	<0.05	0.3	0.05	0.08	0.2	15.5
344020	0.28	0.42	<0.05	0.3	0.06	0.08	0.3	15.7
344021	0.24	0.40	<0.05	0.3	0.06	0.07	<0.1	15.5
344022	0.15	0.34	<0.05	0.7	0.11	0.23	0.7	13.0
344023	0.18	0.36	<0.05	1.0	0.06	0.37	0.7	12.9
344024	1.02	1.22	<0.05	3.7	0.46	1.38	0.2	40.8
344025	0.21	0.41	<0.05	0.5	0.08	0.14	0.6	14.7
344026	0.18	0.34	<0.05	0.3	0.08	0.07	0.5	13.7
344027	0.06	0.21	0.07	2.2	0.33	0.54	0.7	5.0
344028	0.05	0.40	<0.05	2.9	0.32	0.84	0.3	10.4
344029	0.13	0.30	<0.05	2.9	0.60	0.76	0.3	7.6
344030	0.08	0.34	<0.05	0.6	0.46	0.15	0.2	11.4
344031	0.30	0.27	<0.05	0.2	0.13	<0.05	<0.1	7.9
344032	<0.05	0.18	0.10	0.2	0.06	<0.05	0.1	4.5
344033	<0.05	0.19	0.13	0.3	0.36	0.06	0.2	4.9
344034	0.06	0.22	<0.05	0.2	0.17	<0.05	<0.1	5.4
344035	0.07	0.25	0.10	0.3	0.08	0.11	0.2	7.5
344036	1.27	0.72	0.12	4.6	0.10	1.35	1.5	20.8
344037	0.08	0.25	<0.05	0.4	0.33	0.10	0.2	8.4
344038	0.08	0.34	<0.05	0.3	0.10	0.07	<0.1	11.3
344039	0.06	0.36	<0.05	0.4	0.22	0.08	0.2	9.1
344040	0.11	0.40	<0.05	0.4	0.11	0.07	0.3	11.6

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344041	0.11	0.44	<0.05	0.4	0.07	0.07	<0.1	15.5
344042	0.09	0.44	<0.05	0.4	0.14	0.07	<0.1	14.5
344043	<0.05	0.20	<0.05	<0.2	<0.02	<0.05	<0.1	5.2
344044	<0.05	0.25	<0.05	<0.2	0.18	<0.05	<0.1	7.6
344045	0.08	0.28	<0.05	0.2	0.05	<0.05	0.4	6.5
344046	<0.05	0.24	<0.05	<0.2	0.02	<0.05	0.1	6.1
344047	<0.05	0.25	<0.05	0.2	0.09	<0.05	<0.1	7.3
344048	1.04	1.38	<0.05	3.8	0.45	1.34	0.3	42.8
344049	0.13	0.24	<0.05	0.2	0.06	<0.05	<0.1	5.3
344050	0.06	0.23	<0.05	<0.2	0.08	<0.05	0.2	5.1
344051	<0.05	0.25	<0.05	<0.2	0.22	<0.05	0.2	5.2
344052	0.05	0.22	<0.05	<0.2	0.39	<0.05	<0.1	6.0
344053	0.07	0.19	<0.05	0.2	0.86	<0.05	<0.1	5.0
344054	<0.05	0.24	<0.05	<0.2	1.24	<0.05	<0.1	6.2
344055	<0.05	0.30	0.11	0.4	1.50	0.08	<0.1	10.2
344056	<0.05	0.30	<0.05	0.3	0.44	0.09	<0.1	9.5
344057	<0.05	0.46	0.09	0.3	0.63	0.07	<0.1	13.0
344058	<0.05	0.22	<0.05	0.3	0.54	0.08	0.1	6.4
344059	<0.05	0.31	<0.05	0.3	0.41	0.07	<0.1	8.1
344060	1.68	0.79	0.08	18.0	0.95	4.73	4.2	25.7
344061	<0.05	0.35	0.08	0.3	0.51	0.07	<0.1	9.6
344062	0.09	0.27	0.07	0.3	0.79	0.06	<0.1	7.7
344063	0.08	0.42	<0.05	0.3	0.31	0.08	<0.1	12.2
344064	0.18	0.48	<0.05	0.3	0.20	0.10	<0.1	17.4
344065	<0.05	0.34	<0.05	0.3	0.20	0.07	0.2	10.0
344066	<0.05	0.41	<0.05	0.3	0.27	0.08	<0.1	11.8
344067	0.20	0.51	<0.05	0.4	<0.02	0.12	0.1	18.7
344068	<0.05	0.54	<0.05	0.4	0.08	0.09	<0.1	18.6
344069	0.06	0.57	<0.05	0.4	0.07	0.11	<0.1	19.9
344070	0.07	0.50	<0.05	0.4	0.05	0.08	<0.1	19.0
344071	0.06	0.43	<0.05	0.3	0.07	0.06	<0.1	14.7
344072	0.91	1.38	<0.05	4.7	0.45	1.48	0.3	40.3
344073	<0.05	0.34	<0.05	0.3	0.06	0.05	<0.1	9.3
344074	0.09	0.33	0.08	0.3	0.09	0.06	0.4	10.6
344075	0.12	0.42	0.11	1.0	0.11	0.27	0.3	12.9
344076	0.10	0.36	<0.05	0.3	0.14	0.09	0.2	13.3
344077	0.15	0.44	<0.05	0.3	0.03	0.09	0.1	16.2
344078	0.49	0.34	<0.05	<0.2	<0.02	<0.05	0.2	13.8
344079	0.16	0.10	<0.05	<0.2	0.14	<0.05	<0.1	2.4
344080	0.07	0.11	<0.05	<0.2	0.08	<0.05	<0.1	2.2

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Element Method Det.Lim. Units	@Ta GE_ICM40B 0.05 ppm	@Tb GE_ICM40B 0.05 ppm	@Te GE_ICM40B 0.05 ppm	@Th GE_ICM40B 0.2 ppm	@Tl GE_ICM40B 0.02 ppm	@U GE_ICM40B 0.05 ppm	@W GE_ICM40B 0.1 ppm	@Y GE_ICM40B 0.1 ppm
344081	<0.05	0.13	<0.05	<0.2	0.06	<0.05	<0.1	2.5
344082	<0.05	0.13	<0.05	<0.2	0.05	<0.05	<0.1	2.6
344083	<0.05	0.13	<0.05	0.2	0.03	<0.05	<0.1	2.8
344084	0.64	0.40	0.41	3.8	0.29	1.21	2.8	14.1
344085	<0.05	0.14	<0.05	0.2	0.04	0.05	<0.1	2.8
344086	<0.05	0.15	<0.05	0.2	0.04	0.05	<0.1	2.8
344087	<0.05	0.13	<0.05	0.2	0.05	0.05	0.2	2.9
344088	0.11	0.15	<0.05	0.3	0.03	0.06	0.2	3.1
344089	0.08	0.14	<0.05	0.2	0.05	0.05	<0.1	2.4
344090	0.09	0.14	<0.05	0.2	0.06	0.05	<0.1	2.8
344091	<0.05	0.11	<0.05	<0.2	0.02	<0.05	<0.1	2.2
344092	0.06	0.18	<0.05	0.3	0.04	0.05	<0.1	3.7
344093	0.06	0.14	<0.05	0.2	0.04	0.05	0.1	2.8
344094	<0.05	0.16	<0.05	0.3	0.05	0.05	<0.1	3.6
344095	0.08	0.16	<0.05	0.3	0.05	0.06	<0.1	2.9
344096	0.77	1.25	<0.05	3.6	0.42	1.25	0.3	40.1
344097	<0.05	0.19	<0.05	0.3	0.10	0.05	<0.1	3.9
344098	0.05	0.21	<0.05	0.3	<0.02	0.05	<0.1	4.3
344099	0.08	0.36	<0.05	0.3	<0.02	0.05	<0.1	10.7
344100	0.17	0.47	<0.05	0.3	<0.02	0.06	<0.1	18.2
344101	0.24	0.41	<0.05	0.3	0.02	0.06	<0.1	13.1
344102	0.08	0.27	<0.05	0.3	0.11	0.05	<0.1	5.8
344103	0.09	0.24	<0.05	0.3	<0.02	0.05	<0.1	4.3
344104	<0.05	0.14	0.15	0.5	0.06	0.12	<0.1	3.1
344105	<0.05	0.14	<0.05	<0.2	0.08	<0.05	<0.1	2.9
344106	0.23	0.28	<0.05	0.5	0.12	0.11	<0.1	7.7
344107	1.12	1.30	0.08	2.9	0.09	0.67	0.3	43.4
344108	1.28	0.82	0.07	4.1	0.09	1.10	0.9	22.6
344109	0.07	0.26	<0.05	0.4	0.15	0.12	<0.1	5.2
344110	0.10	0.28	<0.05	0.3	0.10	0.08	<0.1	6.1
344111	0.18	0.32	<0.05	1.3	0.26	0.31	<0.1	7.0
344112	0.11	0.24	<0.05	0.3	0.15	0.08	<0.1	5.6
344113	<0.05	0.17	<0.05	0.2	0.14	0.06	<0.1	4.8
344114	0.15	0.21	<0.05	<0.2	0.08	<0.05	0.3	5.9
344115	0.06	0.35	<0.05	0.4	<0.02	0.09	<0.1	10.5
*Dup 344031	0.38	0.26	<0.05	0.2	0.13	<0.05	<0.1	7.6
*Dup 344069	<0.05	0.55	<0.05	0.4	0.07	0.11	<0.1	19.3
*Dup 344111	0.22	0.32	<0.05	1.3	0.25	0.30	<0.1	7.2

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Ta GE_ICM40B 0.05 ppm	@Tb GE_ICM40B 0.05 ppm	@Te GE_ICM40B 0.05 ppm	@Th GE_ICM40B 0.2 ppm	@Tl GE_ICM40B 0.02 ppm	@U GE_ICM40B 0.05 ppm	@W GE_ICM40B 0.1 ppm	@Y GE_ICM40B 0.1 ppm
*Rep 344040	0.08	0.42	<0.05	0.4	0.12	0.07	0.1	11.1
*Rep 344073	<0.05	0.30	<0.05	0.3	0.06	0.06	<0.1	9.7
*Rep 344078	0.40	0.35	<0.05	<0.2	<0.02	<0.05	0.2	14.2
*Rep 344114	0.16	0.21	<0.05	<0.2	0.07	0.05	<0.1	6.4
*Rep 344115	0.09	0.35	<0.05	0.3	<0.02	0.08	<0.1	10.9
*Bik BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Bik BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Bik BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Bik BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Bik BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Std OREAS-901	0.76	1.13	0.08	16.4	0.78	10.8	2.3	38.8
*Std OREAS-903	0.46	0.79	<0.05	13.6	0.58	7.85	1.5	22.1
*Std RTS-3A	0.23	0.40	1.76	1.0	4.01	0.30	4.5	11.6
*Std OREAS-903	0.45	0.81	<0.05	13.7	0.63	7.60	1.6	22.2
*Std RTS-3A	0.25	0.45	2.05	1.0	4.08	0.26	5.7	12.6
*Std OREAS-903	0.58	0.76	<0.05	13.9	0.64	7.82	1.7	21.5
*Std OREAS-903	0.57	0.75	<0.05	13.4	0.62	7.75	1.3	22.1
*Std RTS-3A	0.47	0.46	1.72	1.0	4.13	0.31	5.6	12.5

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Final : SU1501462B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006190

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
344001	1.4
344002	1.3
344003	1.2
344004	1.4
344005	1.4
344006	1.3
344007	1.3
344008	1.2
344009	1.4
344010	1.4
344011	1.3
344012	1.7
344013	1.4
344014	1.4
344015	1.6
344016	1.6
344017	1.2
344018	1.5
344019	1.5
344020	1.5
344021	1.5
344022	1.3
344023	1.3
344024	3.6
344025	1.5
344026	1.4
344027	0.6
344028	1.0
344029	1.0
344030	1.3
344031	1.0
344032	0.7
344033	0.7
344034	0.8
344035	0.9
344036	1.7
344037	1.1
344038	1.3
344039	1.0
344040	1.2

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Final : SU1501462B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006190

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
344041	1.5
344042	1.4
344043	0.7
344044	0.9
344045	0.8
344046	0.7
344047	0.9
344048	3.6
344049	0.7
344050	0.7
344051	0.7
344052	0.8
344053	0.8
344054	0.9
344055	1.3
344056	1.2
344057	1.3
344058	0.9
344059	1.1
344060	2.5
344061	1.1
344062	1.0
344063	1.3
344064	1.8
344065	1.1
344066	1.2
344067	2.0
344068	2.0
344069	1.9
344070	1.7
344071	1.4
344072	3.6
344073	1.1
344074	1.1
344075	1.5
344076	1.5
344077	1.7
344078	1.4
344079	0.4
344080	0.4

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Final : SU1501462B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006190

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
344081	0.4
344082	0.4
344083	0.5
344084	1.5
344085	0.5
344086	0.5
344087	0.5
344088	0.6
344089	0.5
344090	0.5
344091	0.4
344092	0.6
344093	0.5
344094	0.6
344095	0.5
344096	3.5
344097	0.7
344098	0.8
344099	1.3
344100	1.9
344101	1.4
344102	0.8
344103	0.7
344104	0.5
344105	0.5
344106	1.0
344107	4.5
344108	1.8
344109	0.8
344110	0.9
344111	1.0
344112	0.9
344113	0.7
344114	0.8
344115	1.3
*Dup 344031	1.0
*Dup 344069	1.9
*Dup 344111	1.0

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Report File No.: 0000006190

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
*Rep 344040	1.1
*Rep 344073	1.1
*Rep 344078	1.4
*Rep 344114	0.8
*Rep 344115	1.3
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Std OREAS-901	3.6
*Std OREAS-903	2.3
*Std RTS-3A	1.3
*Std OREAS-903	2.3
*Std RTS-3A	1.4
*Std OREAS-903	2.2
*Std OREAS-903	2.3
*Std RTS-3A	1.5

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Certificate of Analysis

Work Order : SU1501462C

[Report File No.: 000006191]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 15, 2016

P.O. No. : Mining & Exploration - GO_XRF76V
Project No. : -
No. Of Samples : 1
Date Submitted : Jan 15, 2016
Report Comprises : Pages 1 to 4
(Inclusive of Cover Sheet)

Comments:

Lab QC for this job can be found in SU1501459C.

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Report File No.: 0000006191

Element	@LOI	@SiO2	@Al2O3	@Fe2O3	@MgO	@CaO	@K2O	@Na2O
Method	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V
Det.Lim.	-10.000	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Units	%	%	%	%	%	%	%	%
344078	1.67	47.3	15.4	11.5	7.82	12.1	0.05	2.19

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Report File No.: 0000006191

Element	@TiO2	@MnO	@P2O5	@Cr2O3	@V2O5	@Ta	@Nb	@Zr
Method	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V	GO_XRF76V
Det.Lim.	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Units	%	%	%	%	%	%	%	%
344078	0.72	0.20	0.04	0.04	0.04	<0.01	<0.01	<0.01

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Final : SU1501462C Order: Mining & Exploration - GO_XRF76V

Page 4 of 4

Report File No.: 0000006191

Element	@Y	Sum
Method	GO_XRF76V	GO_XRF76V
Det.Lim.	0.01	0
Units	%	%
344078	<0.01	99.0

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Date Submitted: 14-Jan-16
Invoice No.: A16-00295-Au
Invoice Date: 22-Jan-16
Your Reference: 240

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

ATTN: Alan Smith

CERTIFICATE OF ANALYSIS

238 Rock samples were submitted for analysis.

The following analytical package was requested:

Code 1A2-50-(ppm)Sudbury Au - Fire Assay AA

REPORT **A16-00295-Au**

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

Notes:

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

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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



Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
344351	< 0.005
344352	< 0.005
344353	< 0.005
344354	< 0.005
344355	< 0.005
344356	< 0.005
344357	< 0.005
344358	< 0.005
344359	< 0.005
344360	< 0.005
344361	< 0.005
344362	1.026
344363	< 0.005
344364	< 0.005
344365	< 0.005
344366	< 0.005
344367	< 0.005
344368	< 0.005
344369	0.586
344370	0.093
344371	< 0.005
344372	< 0.005
344373	< 0.005
344374	0.012
344375	< 0.005
344376	0.020
344377	0.019
344378	< 0.005
344379	< 0.005
344380	0.084
344381	0.018
344382	< 0.005
344383	< 0.005
344384	2.076
344385	< 0.005
344386	0.020
344387	< 0.005
344388	< 0.005
344389	< 0.005
344390	< 0.005
344391	< 0.005
344392	< 0.005
344393	< 0.005
344394	< 0.005
344395	0.005
344396	< 0.005
344397	0.005
344398	0.006

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
344399	0.006
344400	0.008
344401	0.007
344402	0.005
344403	0.009
344404	< 0.005
344405	< 0.005
344406	< 0.005
344407	< 0.005
344408	0.237
344409	< 0.005
344410	< 0.005
344411	< 0.005
344412	0.005
344413	< 0.005
344414	< 0.005
344415	< 0.005
344416	< 0.005
344417	< 0.005
344418	< 0.005
344419	< 0.005
344420	< 0.005
344421	< 0.005
344422	0.008
344423	< 0.005
344424	< 0.005
344425	< 0.005
344426	< 0.005
344427	< 0.005
344428	< 0.005
344429	< 0.005
344430	< 0.005
344431	< 0.005
344432	1.471
344433	< 0.005
344434	< 0.005
344435	< 0.005
344436	< 0.005
344437	< 0.005
344438	< 0.005
344439	< 0.005
344440	< 0.005
344441	< 0.005
344442	< 0.005
344443	< 0.005
344444	< 0.005
344445	< 0.005
344446	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
344447	< 0.005
344448	< 0.005
344449	0.008
344450	< 0.005
344451	< 0.005
344452	< 0.005
344453	< 0.005
344454	< 0.005
344455	< 0.005
344456	1.049
344457	0.017
344458	0.023
344459	0.023
344460	0.009
344461	< 0.005
344462	< 0.005
344463	< 0.005
344464	< 0.005
344465	< 0.005
344466	< 0.005
344467	< 0.005
344468	< 0.005
344469	< 0.005
344470	< 0.005
344471	< 0.005
344472	< 0.005
344473	< 0.005
344474	< 0.005
344475	< 0.005
344476	< 0.005
344477	< 0.005
344478	0.008
344479	< 0.005
344480	2.205
344481	0.005
344482	< 0.005
344483	0.008
344484	< 0.005
344485	< 0.005
344486	0.313
344487	< 0.005
344488	< 0.005
344489	< 0.005
344490	< 0.005
344491	0.009
344492	< 0.005
344493	0.020
344494	0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
344495	0.007
344496	0.021
344497	< 0.005
344498	< 0.005
344499	0.035
344500	0.049
417851	< 0.005
417852	< 0.005
417853	0.006
417854	< 0.005
417855	0.255
417856	< 0.005
417857	< 0.005
417858	< 0.005
417859	< 0.005
417860	< 0.005
417861	< 0.005
417862	< 0.005
417863	< 0.005
417864	< 0.005
417865	< 0.005
417866	< 0.005
417867	< 0.005
417868	< 0.005
417869	< 0.005
417870	< 0.005
417871	< 0.005
417872	< 0.005
417873	< 0.005
417874	< 0.005
417875	< 0.005
417876	< 0.005
417877	< 0.005
417878	< 0.005
417879	1.435
417880	< 0.005
417881	< 0.005
417882	< 0.005
417883	< 0.005
417884	< 0.005
417885	< 0.005
417886	< 0.005
417887	< 0.005
417888	< 0.005
417889	0.007
417890	< 0.005
417891	< 0.005
417892	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
417893	< 0.005
417894	< 0.005
417895	< 0.005
417896	< 0.005
417897	0.011
417898	< 0.005
417899	< 0.005
417900	0.005
417901	0.009
417902	< 0.005
417903	1.033
417904	< 0.005
417905	< 0.005
417906	0.010
417907	< 0.005
417908	< 0.005
417909	0.006
417910	0.005
417911	0.007
417912	< 0.005
417913	< 0.005
417914	< 0.005
417915	< 0.005
417916	< 0.005
417917	< 0.005
417918	< 0.005
417919	< 0.005
417920	< 0.005
417921	0.021
417922	< 0.005
417923	< 0.005
417924	< 0.005
417925	< 0.005
417926	< 0.005
417927	2.102
417928	< 0.005
417929	< 0.005
417930	< 0.005
417931	< 0.005
417932	0.010
417933	< 0.005
417934	< 0.005
417935	< 0.005
417936	< 0.005
417937	< 0.005
417938	< 0.005

Analyte Symbol	Au
Unit Symbol	ppm
Lower Limit	0.005
Method Code	FA-AA
OxD108 Meas	0.428
OxD108 Cert	0.414
OxD108 Meas	0.412
OxD108 Cert	0.414
OxD108 Meas	0.436
OxD108 Cert	0.414
OxD108 Meas	0.425
OxD108 Cert	0.414
OxD108 Meas	0.412
OxD108 Cert	0.414
OxD108 Meas	0.411
OxD108 Cert	0.414
OxD108 Meas	0.426
OxD108 Cert	0.414
OxD108 Meas	0.422
OxD108 Cert	0.414
SG66 Meas	1.090
SG66 Cert	1.086
SG66 Meas	1.092
SG66 Cert	1.086
SG66 Meas	1.136
SG66 Cert	1.086
SG66 Meas	1.102
SG66 Cert	1.086
SG66 Meas	1.085
SG66 Cert	1.086
SG66 Meas	1.079
SG66 Cert	1.086
SG66 Meas	1.101
SG66 Cert	1.086
SG66 Meas	1.109
SG66 Cert	1.086
344360 Orig	< 0.005
344360 Dup	< 0.005
344370 Orig	0.093
344370 Dup	0.098
344380 Orig	0.084
344380 Dup	0.079
344395 Orig	0.005
344395 Dup	< 0.005
344400 Split Orig	0.008
344400 Split	0.007
344405 Orig	< 0.005
344405 Dup	0.006
344415 Orig	< 0.005
344415 Dup	< 0.005
344429 Orig	< 0.005
344429 Dup	< 0.005



Certificate of Analysis

Work Order : SU1501528A

[Report File No.: 000006174]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 14, 2016

P.O. No. : Mining & Exploration - GE_FAA515
Project No. : -
No. Of Samples : 223
Date Submitted : Jan 13, 2016
Report Comprises : Pages 1 to 8
(Inclusive of Cover Sheet)

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : SU1501528A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006174

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	344116	<0.005
344117	0.012	N.A.
344118	<0.005	N.A.
344119	<0.005	N.A.
344120	<0.005	N.A.
344121	<0.005	N.A.
344122	<0.005	N.A.
344123	<0.005	N.A.
344124	<0.005	N.A.
344125	<0.005	N.A.
344126	<0.005	N.A.
344127	<0.005	N.A.
344128	<0.005	N.A.
344129	<0.005	N.A.
344130	<0.005	N.A.
344131	<0.005	N.A.
344132	<0.005	N.A.
344133	<0.005	N.A.
344134	<0.005	<0.005
344135	<0.005	N.A.
344136	2.040	N.A.
344137	0.016	N.A.
344138	0.007	N.A.
344139	<0.005	N.A.
344140	<0.005	N.A.
344141	<0.005	N.A.
344142	<0.005	N.A.
344143	<0.005	N.A.
344144	<0.005	N.A.
344145	<0.005	N.A.
344146	<0.005	N.A.
344147	<0.005	N.A.
344148	<0.005	N.A.
344149	<0.005	N.A.
344150	<0.005	N.A.
344151	<0.005	N.A.
344152	<0.005	N.A.
344153	<0.005	N.A.
344154	<0.005	N.A.
344155	<0.005	N.A.

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Final : SU1501528A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006174

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
344156	<0.005	N.A.
344157	<0.005	N.A.
344158	<0.005	N.A.
344159	<0.005	N.A.
344160	0.252	N.A.
344161	<0.005	<0.005
344162	<0.005	N.A.
344163	<0.005	N.A.
344164	<0.005	N.A.
344165	<0.005	N.A.
344166	<0.005	N.A.
344167	<0.005	N.A.
344168	<0.005	N.A.
344169	<0.005	N.A.
344170	<0.005	N.A.
344171	<0.005	N.A.
344172	<0.005	N.A.
344173	<0.005	N.A.
344174	<0.005	N.A.
344175	<0.005	N.A.
344176	<0.005	N.A.
344177	<0.005	N.A.
344178	<0.005	N.A.
344179	<0.005	N.A.
344180	<0.005	N.A.
344181	<0.005	N.A.
344182	<0.005	N.A.
344183	<0.005	N.A.
344184	1.513	N.A.
344185	<0.005	<0.005
344186	<0.005	N.A.
344187	<0.005	N.A.
344188	<0.005	N.A.
344189	<0.005	N.A.
344190	<0.005	<0.005
344191	<0.005	N.A.
344192	<0.005	N.A.
344193	<0.005	N.A.
344194	<0.005	N.A.
344195	<0.005	N.A.

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Final : SU1501528A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006174

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
344196	<0.005	N.A.
344197	<0.005	N.A.
344198	<0.005	N.A.
344199	<0.005	N.A.
344200	<0.005	N.A.
344201	<0.005	N.A.
344202	<0.005	N.A.
344203	<0.005	N.A.
344204	<0.005	N.A.
344205	<0.005	N.A.
344206	<0.005	N.A.
344207	0.005	N.A.
344208	<0.005	N.A.
344209	0.005	N.A.
344210	<0.005	N.A.
344211	<0.005	N.A.
344212	1.064	N.A.
344213	<0.005	N.A.
344214	<0.005	N.A.
344215	<0.005	N.A.
344216	<0.005	N.A.
344217	<0.005	N.A.
344218	<0.005	N.A.
344219	<0.005	N.A.
344220	<0.005	N.A.
344221	<0.005	N.A.
344222	<0.005	N.A.
344223	<0.005	N.A.
344224	<0.005	N.A.
344225	<0.005	N.A.
344226	<0.005	N.A.
344227	0.006	N.A.
344228	<0.005	N.A.
344229	0.005	N.A.
344230	<0.005	N.A.
344231	0.005	N.A.
344232	<0.005	N.A.
344233	<0.005	N.A.
344234	<0.005	N.A.
344235	<0.005	N.A.

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Final : SU1501528A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006174

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	344236	2.231
344237	0.006	N.A.
344238	<0.005	N.A.
344239	0.028	N.A.
344240	0.006	N.A.
344241	0.009	N.A.
344242	0.033	N.A.
344243	<0.005	N.A.
344244	<0.005	N.A.
344245	0.010	N.A.
344246	<0.005	N.A.
344247	0.006	N.A.
344248	<0.005	N.A.
344249	0.007	N.A.
344250	0.023	0.029
344251	<0.005	N.A.
344252	<0.005	N.A.
344253	<0.005	N.A.
344254	<0.005	N.A.
344255	<0.005	N.A.
344256	<0.005	N.A.
344257	<0.005	N.A.
344258	<0.005	N.A.
344259	<0.005	N.A.
344260	0.252	N.A.
344261	<0.005	N.A.
344262	<0.005	N.A.
344263	<0.005	N.A.
344264	<0.005	N.A.
344265	<0.005	N.A.
344266	<0.005	N.A.
344267	<0.005	<0.005
344268	<0.005	N.A.
344269	<0.005	N.A.
344270	<0.005	N.A.
344271	<0.005	N.A.
344272	<0.005	N.A.
344273	<0.005	N.A.
344274	<0.005	N.A.
344275	<0.005	N.A.

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Report File No.: 0000006174

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
	344276	<0.005
344277	<0.005	N.A.
344278	<0.005	N.A.
344279	<0.005	N.A.
344280	<0.005	N.A.
344281	<0.005	N.A.
344282	<0.005	N.A.
344283	<0.005	N.A.
344284	1.481	N.A.
344285	<0.005	N.A.
344286	<0.005	N.A.
344287	<0.005	N.A.
344288	<0.005	N.A.
344289	<0.005	N.A.
344290	<0.005	N.A.
344291	<0.005	N.A.
344292	<0.005	N.A.
344293	<0.005	N.A.
344294	<0.005	N.A.
344295	<0.005	N.A.
344296	<0.005	N.A.
344297	<0.005	N.A.
344298	<0.005	N.A.
344299	<0.005	N.A.
344300	<0.005	N.A.
344301	<0.005	N.A.
344302	<0.005	N.A.
344303	0.007	N.A.
344304	0.005	N.A.
344305	<0.005	N.A.
344306	<0.005	N.A.
344307	0.011	N.A.
344308	0.005	N.A.
344309	<0.005	N.A.
344310	<0.005	<0.005
344311	<0.005	N.A.
344312	0.971	N.A.
344313	<0.005	N.A.
344314	<0.005	N.A.
344315	<0.005	N.A.

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Final : SU1501528A Order: Mining & Exploration - GE_FAA515

Report File No.: 0000006174

Element Method Det.Lim. Units	@Au GE_FAA515 0.005 ppm	@AuR GE_FAA515 0.005 ppm
344316	<0.005	N.A.
344317	0.009	N.A.
344318	0.079	N.A.
344319	<0.005	N.A.
344320	<0.005	N.A.
344321	<0.005	N.A.
344322	<0.005	N.A.
344323	<0.005	N.A.
344324	<0.005	<0.005
344325	<0.005	N.A.
344326	<0.005	N.A.
344327	<0.005	N.A.
344328	<0.005	N.A.
344329	<0.005	N.A.
344330	<0.005	N.A.
344331	<0.005	N.A.
344332	<0.005	N.A.
344333	<0.005	N.A.
344334	<0.005	N.A.
344335	<0.005	N.A.
344336	2.109	N.A.
344337	<0.005	N.A.
344338	<0.005	N.A.
*Blk BLANK	<0.005	N.A.
*Std OREAS-203	0.867	N.A.
*Std OXD108	0.413	N.A.
*Std OREAS-203	0.875	N.A.
*Std OXD108	0.423	N.A.
*Std OREAS-203	0.874	N.A.
*Blk BLANK	<0.005	N.A.
*Std OXD108	0.411	N.A.
*Std OREAS-203	0.844	N.A.
*Dup 344162	<0.005	N.A.
*Dup 344226	<0.005	N.A.
*Blk BLANK	<0.005	N.A.
*Std OREAS-203	0.825	N.A.
*Std OREAS-206	2.269	N.A.
*Std OXD108	0.421	N.A.
*Dup 344280	<0.005	N.A.
*Std OREAS-203	0.868	N.A.

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Report File No.: 0000006174

Element	@Au	@AuR
Method	GE_FAA515	GE_FAA515
Det.Lim.	0.005	0.005
Units	ppm	ppm
*Std OXD108	0.405	N.A.

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Certificate of Analysis

Work Order : SU1501528B

[Report File No.: 000006217]

To: **Alan Smith**
TRELAWNEY MINING AND EXPLORATION INC
3 MESOMIKENDA LAKE ROAD BOX 100
GOGAMA ON P0M 1W0

Date: Jan 22, 2016

P.O. No. : Mining & Exploration - GE_ICM40B
Project No. : -
No. Of Samples : 84
Date Submitted : Dec 21, 2015
Report Comprises : Pages 1 to 22
(Inclusive of Cover Sheet)

Comments:

Samples picked up on Dec.22/15 after 5pm, received date Dec.23/15

Certified By :

Debbie Waldon
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at <http://www.scc.ca/en/programs/lab/mineral.shtml>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable -- = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
344123	0.03	7.58	421	3.35	28	16.9	3.31	0.90
344125	<0.02	8.13	346	1.71	26	5.7	2.58	0.79
344126	<0.02	8.47	283	2.08	31	5.8	2.76	0.74
344127	<0.02	8.19	384	1.85	29	73.1	2.86	1.26
344128	<0.02	8.24	411	1.94	36	15.3	3.21	1.37
344129	<0.02	7.87	554	2.91	42	41.9	4.09	1.35
344134	0.06	7.54	76	7.60	109	101	10.4	0.15
344138	0.03	7.63	86	6.35	115	119	9.84	0.16
344139	0.03	7.88	32	6.82	195	72.6	8.77	0.07
344140	<0.02	8.48	53	6.32	174	80.4	8.36	0.08
344141	<0.02	6.97	48	6.65	191	58.7	8.13	0.09
344142	<0.02	8.40	39	6.11	227	97.1	7.44	0.07
344143	<0.02	7.66	131	7.32	180	103	7.10	0.24
344165	0.07	7.28	93	8.22	203	170	6.13	0.82
344166	0.05	8.72	219	6.86	184	109	5.96	0.95
344167	0.06	9.20	39	6.28	197	125	6.90	0.26
344168	0.04	8.62	18	6.44	200	103	6.56	0.15
344169	0.05	8.89	16	6.26	199	114	6.44	0.13
344170	0.06	8.61	16	8.06	226	123	6.10	0.12
344171	0.04	7.74	13	7.83	133	92.4	6.17	0.10
344173	0.06	8.31	16	5.76	162	93.4	6.76	0.11
344174	0.05	7.41	18	8.59	138	98.6	6.93	0.10
344175	0.06	8.24	76	6.91	191	96.9	6.68	0.32
344176	0.05	7.95	18	6.62	166	107	7.33	0.07
344177	0.05	7.54	24	6.10	165	92.0	6.85	0.07
344185	0.02	8.29	182	8.94	191	130	6.07	0.37
344197	0.03	7.19	34	7.85	652	90.7	6.89	0.06
344208	0.05	7.93	28	6.60	96	117	7.96	0.07
344209	0.09	7.67	138	7.95	142	179	7.42	0.60
344210	0.07	7.93	52	8.78	166	111	6.70	0.38
344211	0.07	8.21	68	7.34	117	116	7.34	0.39
344213	0.05	8.49	43	6.63	152	126	7.92	0.29
344214	0.02	8.64	40	6.56	131	118	7.66	0.23
344215	0.03	7.28	24	8.56	133	87.2	6.89	0.12
344216	0.02	9.42	29	7.11	188	98.1	5.05	0.22
344217	0.04	8.17	22	6.29	165	121	5.45	0.15
344218	0.03	8.79	18	7.02	198	151	5.12	0.14
344219	0.06	9.78	20	7.06	186	133	6.41	0.17
344220	0.03	9.57	27	5.43	172	96.8	5.90	0.22
344221	0.05	8.52	20	6.06	150	128	7.60	0.15

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Element Method Det.Lim. Units	@Ag GE_ICM40B 0.02 ppm	@Al GE_ICM40B 0.01 %	@Ba GE_ICM40B 1 ppm	@Ca GE_ICM40B 0.01 %	@Cr GE_ICM40B 1 ppm	@Cu GE_ICM40B 0.5 ppm	@Fe GE_ICM40B 0.01 %	@K GE_ICM40B 0.01 %
344222	0.04	7.35	27	8.27	134	89.5	7.06	0.18
344223	0.04	6.95	47	9.86	125	97.4	6.74	0.35
344239	0.05	6.81	44	7.65	85	123	6.63	0.29
344241	0.03	7.18	46	6.92	76	104	7.17	0.22
344242	0.08	8.85	45	7.00	192	95.9	5.91	0.34
344243	0.08	8.42	61	7.39	109	76.2	6.42	0.41
344244	0.10	8.01	4	6.39	141	118	7.41	0.01
344246	<0.02	7.29	80	7.25	140	101	7.11	0.32
344247	0.02	8.38	134	5.41	66	127	4.68	1.87
344249	0.50	7.23	319	6.28	117	348	2.40	1.88
344250	0.60	7.38	241	6.72	190	304	4.92	1.55
344251	0.20	8.11	100	8.22	230	74.4	5.67	0.84
344252	0.25	6.47	77	6.92	124	75.7	6.27	0.50
344253	0.19	7.67	31	5.36	120	89.3	7.76	0.11
344269	0.07	4.76	7	9.85	507	75.9	6.29	0.03
344275	0.07	4.03	1	12.6	1615	58.1	6.89	0.02
344276	0.09	7.82	382	5.49	195	76.5	6.48	1.14
344277	0.08	8.16	26	6.94	204	110	6.57	0.13
344288	0.08	7.97	608	6.68	110	76.0	5.00	2.01
344289	0.09	7.05	520	6.84	179	91.6	6.20	1.96
344293	0.08	7.64	253	6.82	89	86.4	7.07	0.68
344305	0.06	7.32	115	7.86	110	59.6	7.08	0.57
344306	0.07	7.16	98	8.22	79	81.6	7.36	0.47
344310	0.09	7.33	158	6.62	65	70.4	7.83	0.75
344311	0.07	7.13	79	7.12	40	109	8.97	0.24
344313	0.09	6.96	171	7.93	37	76.3	7.79	0.40
344314	0.06	7.33	159	6.33	44	91.9	8.61	0.81
344315	0.06	7.44	155	6.95	54	89.9	8.50	0.88
344316	0.07	7.18	155	6.85	40	87.5	8.39	0.56
344317	0.08	7.84	289	6.14	62	81.0	9.18	0.83
344318	0.09	6.54	202	6.21	61	95.4	8.62	0.78
344319	0.07	7.12	143	7.43	44	86.9	9.18	0.38
344320	0.06	7.15	120	7.97	37	82.4	8.75	0.41
344321	0.06	7.20	75	7.25	60	84.4	9.27	0.23
344322	0.05	7.39	115	7.68	44	80.7	8.69	0.38
344323	0.04	7.05	146	7.40	38	83.7	8.92	0.59
344325	0.06	6.45	192	8.80	37	83.7	9.16	0.83
344326	0.05	7.17	100	7.23	48	90.7	8.14	0.28
344327	0.07	7.77	29	6.69	51	94.1	8.43	0.06
344328	0.08	7.95	183	6.81	60	82.3	8.84	0.91

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Report File No.: 0000006217

Element Method Det.Lim. Units	@Ag	@Al	@Ba	@Ca	@Cr	@Cu	@Fe	@K
	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B	GE_ICM40B
	0.02	0.01	1	0.01	1	0.5	0.01	0.01
	ppm	%	ppm	%	ppm	ppm	%	%
344329	0.06	7.51	137	7.65	46	79.7	9.06	0.89
344330	0.04	8.94	101	7.63	146	63.8	8.06	0.69
344331	0.06	7.79	76	7.97	152	107	7.98	0.53
344332	0.06	8.14	93	8.17	152	113	6.64	0.68
*Rep 344177	0.06	7.26	23	5.93	163	88.6	6.65	0.07
*Std OREAS-903	0.46	6.04	197	0.58	73	6563	3.94	3.48
*Blk BLANK	<0.02	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01
*Blk BLANK	0.02	<0.01	<1	<0.01	<1	<0.5	<0.01	<0.01
*Rep 344244	0.16	8.25	3	6.58	134	118	7.46	0.01
*Std OREAS-901	0.42	7.25	231	0.09	37	1365	3.86	3.82
*Std OREAS-903	0.42	6.14	190	0.57	74	6671	3.85	3.36
*Blk BLANK	0.03	<0.01	<1	<0.01	<1	0.9	<0.01	<0.01
*Blk BLANK	0.03	<0.01	<1	<0.01	<1	0.6	<0.01	<0.01
*Rep 344288	0.08	8.04	612	6.84	122	73.4	4.98	2.00
*Std OREAS-901	0.42	6.81	242	0.09	38	1373	3.97	3.75
*Blk BLANK	<0.02	<0.01	<1	<0.01	1	0.9	<0.01	<0.01
*Rep 344332	0.07	8.10	90	8.02	154	114	6.47	0.70
*Std OREAS-901	0.41	7.10	232	0.09	37	1324	3.90	3.90
*Std OREAS-903	0.44	6.36	189	0.57	73	6447	3.92	3.66
*Blk BLANK	<0.02	<0.01	<1	0.01	<1	0.8	<0.01	<0.01
*Blk BLANK	0.03	<0.01	<1	<0.01	<1	0.8	<0.01	<0.01

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Element Method Det.Lim. Units	@Li	@Mg	@Mn	@Na	@Ni	@P	@S	@Sr
	GE_ICM40B 1 ppm	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm	GE_ICM40B 50 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm
344123	13	0.84	636	3.91	16.0	679	0.01	349
344125	11	0.66	434	4.44	15.3	642	0.07	333
344126	11	0.71	461	4.38	10.5	707	0.05	389
344127	11	0.71	502	3.52	16.0	483	0.07	329
344128	12	0.80	581	3.74	13.2	510	0.05	281
344129	14	1.02	907	3.14	20.7	927	0.05	412
344134	17	2.91	1822	1.57	88.7	1310	0.13	352
344138	15	3.48	1857	2.42	90.3	1239	0.23	190
344139	23	4.01	1769	1.68	118	374	0.03	309
344140	23	4.08	1633	2.22	136	262	0.02	321
344141	29	3.78	1673	1.84	86.6	362	0.09	115
344142	23	3.44	1605	3.41	113	482	0.05	156
344143	18	2.75	1587	3.07	99.2	470	0.01	174
344165	31	2.99	1002	1.03	110	228	0.31	45.4
344166	25	2.80	1389	1.80	128	292	0.33	75.3
344167	24	2.36	1383	3.00	138	355	0.15	123
344168	25	2.77	1399	2.62	132	321	0.08	112
344169	22	2.86	1477	2.80	136	338	0.09	132
344170	22	2.67	1512	2.71	126	301	0.17	122
344171	24	2.75	1494	2.13	113	262	0.12	113
344173	30	3.42	1225	2.12	125	307	0.09	106
344174	34	3.41	1418	1.65	108	273	0.09	81.4
344175	39	3.37	1107	2.04	119	257	0.15	65.2
344176	45	4.63	1119	1.59	134	251	0.03	58.2
344177	36	4.26	1171	2.29	148	250	0.07	88.4
344185	16	1.82	1602	1.57	128	270	0.20	116
344197	15	4.35	1798	1.09	265	277	0.06	102
344208	18	2.41	1877	2.32	97.7	363	0.22	119
344209	20	1.79	1887	0.30	106	345	0.45	102
344210	29	1.86	1931	0.39	113	344	0.22	114
344211	26	1.97	1668	0.41	109	352	0.19	106
344213	35	2.62	1847	0.41	116	323	0.12	102
344214	42	2.80	1685	0.45	121	289	0.10	106
344215	29	2.51	1970	0.27	109	356	0.47	74.8
344216	58	1.88	1332	0.60	137	340	0.15	102
344217	49	2.13	1196	0.47	125	271	0.39	77.6
344218	57	2.40	1070	0.52	140	304	0.27	82.7
344219	58	2.60	1258	0.60	140	432	0.52	89.7
344220	52	2.32	1038	0.72	137	255	0.22	105
344221	41	3.17	1061	0.54	115	305	0.53	91.9

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Element Method Det.Lim. Units	@Li	@Mg	@Mn	@Na	@Ni	@P	@S	@Sr
	GE_ICM40B 1 ppm	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm	GE_ICM40B 50 ppm	GE_ICM40B 0.01 %	GE_ICM40B 0.5 ppm
344222	29	2.84	1252	0.54	86.3	229	0.15	103
344223	25	2.93	1463	0.51	87.9	250	0.10	112
344239	23	3.45	1504	0.93	74.8	235	0.33	75.4
344241	24	3.60	1562	1.24	73.7	286	0.29	75.3
344242	28	2.97	1105	1.69	57.4	225	0.24	102
344243	29	4.08	1234	1.38	118	400	0.13	91.3
344244	23	4.36	1106	1.67	130	256	0.06	108
344246	28	3.35	1067	0.79	95.3	244	0.07	54.5
344247	17	1.50	695	0.52	41.4	932	0.95	92.5
344249	9	0.62	744	0.65	61.1	280	0.99	116
344250	15	1.09	871	0.63	93.5	262	2.45	114
344251	28	2.33	1069	0.67	121	300	0.11	106
344252	25	3.20	1177	0.31	97.6	262	0.13	57.0
344253	22	4.02	1095	1.26	53.8	326	0.27	52.8
344269	10	5.29	1869	0.34	195	278	0.06	74.9
344275	9	5.56	1809	0.01	564	179	0.69	38.3
344276	30	2.72	1242	1.37	111	423	1.49	55.5
344277	30	3.06	1607	1.84	136	305	0.11	86.3
344288	20	2.06	1449	0.59	96.5	548	0.23	206
344289	22	2.54	2041	0.34	74.4	301	0.15	225
344293	36	2.97	2266	1.14	70.1	424	0.14	162
344305	55	2.10	1714	1.02	80.6	369	0.14	131
344306	61	2.17	1611	0.89	70.0	446	0.14	128
344310	55	2.09	1405	1.00	54.2	517	0.12	140
344311	49	2.00	2410	1.72	50.6	508	0.24	130
344313	42	1.78	2094	1.86	52.8	501	0.19	136
344314	50	1.83	1961	1.20	59.9	552	0.24	129
344315	62	1.95	2121	0.92	64.7	515	0.27	134
344316	48	1.72	2166	1.57	58.2	516	0.14	121
344317	73	1.66	1682	0.97	63.8	565	0.38	123
344318	61	1.63	1957	0.66	50.3	484	0.65	113
344319	47	1.81	2173	1.59	54.9	509	0.18	119
344320	42	1.82	2245	1.57	52.1	503	0.16	131
344321	53	1.94	1946	1.62	52.7	527	0.15	119
344322	46	1.81	1809	1.58	56.3	528	0.15	124
344323	40	1.74	1885	1.16	57.1	513	0.15	108
344325	33	1.61	2514	0.58	53.6	484	0.18	98.2
344326	45	1.77	1821	1.87	55.3	517	0.12	96.7
344327	56	1.90	1743	2.23	59.4	546	0.12	99.2
344328	62	1.93	1745	0.92	58.5	577	0.12	75.1

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Report File No.: 0000006217

Element Method Det.Lim. Units	@Li GE_ICM40B 1 ppm	@Mg GE_ICM40B 0.01 %	@Mn GE_ICM40B 2 ppm	@Na GE_ICM40B 0.01 %	@Ni GE_ICM40B 0.5 ppm	@P GE_ICM40B 50 ppm	@S GE_ICM40B 0.01 %	@Sr GE_ICM40B 0.5 ppm
344329	70	2.16	2145	0.43	58.4	503	0.14	77.3
344330	102	1.73	2143	0.91	111	372	0.18	138
344331	100	2.00	2068	0.65	126	242	0.14	104
344332	92	1.81	1842	0.83	126	261	0.13	115
*Rep 344177	34	4.09	1133	2.19	144	240	0.07	85.0
*Std OREAS-903	18	0.73	693	0.03	50.6	1092	0.50	78.2
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	0.7	<50	<0.01	<0.5
*Rep 344244	23	4.37	1116	1.71	129	262	0.07	111
*Std OREAS-901	17	0.63	291	0.04	36.5	669	0.04	32.1
*Std OREAS-903	18	0.74	677	0.03	49.8	1149	0.48	78.3
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Rep 344288	20	2.06	1445	0.58	93.7	562	0.20	208
*Std OREAS-901	15	0.62	299	0.04	37.7	669	0.04	31.0
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Rep 344332	96	1.82	1803	0.85	126	252	0.13	115
*Std OREAS-901	16	0.62	297	0.04	38.1	641	0.04	31.5
*Std OREAS-903	18	0.73	678	0.03	51.8	1082	0.44	77.9
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5
*Blk BLANK	<1	<0.01	<2	<0.01	<0.5	<50	<0.01	<0.5

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Element Method Det.Lim. Units	@Ti GE_ICM40B 0.01 %	@V GE_ICM40B 2 ppm	@Zn GE_ICM40B 1 ppm	@Zr GE_ICM40B 0.5 ppm	@As GE_ICM40B 1 ppm	@Be GE_ICM40B 0.1 ppm	@Bi GE_ICM40B 0.04 ppm	@Cd GE_ICM40B 0.02 ppm
344123	0.25	59	117	67.4	8	0.7	0.07	1.29
344125	0.23	52	45	61.4	8	0.9	0.13	0.02
344126	0.25	56	43	58.3	4	1.0	0.12	0.03
344127	0.18	50	47	46.4	3	0.7	0.15	0.02
344128	0.22	58	53	61.9	2	0.8	0.10	0.02
344129	0.32	84	81	79.0	3	1.0	0.13	0.06
344134	1.01	299	165	145	8	0.6	<0.04	0.10
344138	1.04	302	133	129	2	0.7	<0.04	0.07
344139	0.52	234	136	25.1	1	0.2	<0.04	0.04
344140	0.42	219	138	24.4	2	0.2	<0.04	0.05
344141	0.50	234	147	31.1	3	0.3	<0.04	0.04
344142	0.46	233	150	44.8	12	0.5	<0.04	0.11
344143	0.45	226	135	47.9	13	0.4	<0.04	0.07
344165	0.28	185	104	33.8	71	0.1	<0.04	0.06
344166	0.27	234	84	29.3	95	0.3	<0.04	0.05
344167	0.32	252	106	19.0	51	0.3	<0.04	0.10
344168	0.30	240	96	16.3	31	0.3	<0.04	0.07
344169	0.32	247	89	14.8	23	0.3	<0.04	0.06
344170	0.28	225	90	14.4	15	0.2	<0.04	0.13
344171	0.20	204	77	13.4	24	0.2	<0.04	0.06
344173	0.21	229	85	18.5	37	0.3	<0.04	0.05
344174	0.24	196	76	22.5	32	0.1	<0.04	0.04
344175	0.30	205	190	32.0	56	0.2	<0.04	0.23
344176	0.21	173	95	24.4	77	<0.1	<0.04	0.03
344177	0.25	160	112	27.1	78	0.2	<0.04	0.08
344185	0.49	234	74	14.9	8	0.2	<0.04	0.12
344197	0.41	219	81	16.0	23	0.2	<0.04	0.07
344208	0.46	262	89	34.1	40	0.3	<0.04	0.13
344209	0.03	229	87	26.4	70	0.2	<0.04	0.16
344210	0.02	231	71	23.4	98	0.3	<0.04	0.10
344211	0.10	238	80	36.3	174	0.3	<0.04	0.09
344213	0.08	243	83	36.3	61	0.2	<0.04	0.07
344214	0.09	238	89	38.5	61	0.2	<0.04	0.07
344215	0.08	216	110	34.2	38	0.2	<0.04	0.23
344216	0.04	236	70	37.5	83	0.2	<0.04	0.08
344217	0.03	223	81	35.2	77	0.2	<0.04	0.10
344218	0.01	203	77	13.5	91	0.2	<0.04	0.11
344219	0.10	245	101	43.0	94	0.1	<0.04	0.18
344220	0.10	242	89	45.4	180	0.1	<0.04	0.05
344221	0.09	218	92	26.9	106	0.2	0.06	0.11

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Report File No.: 000006217

Element Method Det.Lim. Units	@Ti GE_ICM40B 0.01 %	@V GE_ICM40B 2 ppm	@Zn GE_ICM40B 1 ppm	@Zr GE_ICM40B 0.5 ppm	@As GE_ICM40B 1 ppm	@Be GE_ICM40B 0.1 ppm	@Bi GE_ICM40B 0.04 ppm	@Cd GE_ICM40B 0.02 ppm
344222	0.06	190	75	20.3	75	0.2	<0.04	0.09
344223	0.07	185	60	21.3	50	0.2	<0.04	0.08
344239	0.06	191	60	25.5	85	0.2	<0.04	0.07
344241	0.08	209	71	27.9	75	0.2	<0.04	0.10
344242	0.08	172	67	21.4	946	0.2	<0.04	0.10
344243	0.06	151	66	29.5	57	0.2	<0.04	0.08
344244	0.04	182	76	20.6	22	0.2	<0.04	0.04
344246	0.04	191	146	20.8	67	0.2	<0.04	0.29
344247	0.09	140	244	93.7	223	0.7	0.08	0.66
344249	0.11	96	813	93.9	657	0.9	0.10	2.89
344250	0.06	142	591	66.2	370	0.7	0.18	2.16
344251	0.06	225	166	36.8	135	0.3	<0.04	0.46
344252	0.04	175	157	27.3	68	0.2	<0.04	0.11
344253	0.07	258	182	27.5	37	0.2	<0.04	0.29
344269	0.34	167	65	6.7	14	0.3	<0.04	0.10
344275	0.20	127	78	21.1	120	0.2	0.05	0.05
344276	0.41	196	144	39.9	26	0.4	0.10	0.54
344277	0.48	249	81	14.6	12	0.3	<0.04	0.09
344288	0.18	179	106	70.9	21	0.8	0.12	0.16
344289	0.35	219	77	40.2	12	0.7	0.07	0.11
344293	0.12	194	203	43.8	21	0.3	<0.04	0.59
344305	0.18	213	92	40.0	329	0.2	<0.04	0.17
344306	0.18	237	93	48.5	70	0.2	<0.04	0.14
344310	0.45	269	104	50.7	46	0.3	<0.04	0.14
344311	0.55	287	112	52.3	21	0.3	0.04	0.17
344313	0.47	269	87	48.4	21	0.2	<0.04	0.20
344314	0.62	310	97	59.5	46	0.3	<0.04	0.14
344315	0.52	263	104	53.6	49	0.4	<0.04	0.19
344316	0.63	285	96	50.7	47	0.3	<0.04	0.16
344317	0.61	298	110	52.4	707	0.4	0.05	0.24
344318	0.52	273	94	46.5	5022	0.3	0.11	0.18
344319	0.59	294	106	49.8	24	0.2	<0.04	0.18
344320	0.58	285	100	48.9	19	0.4	<0.04	0.15
344321	0.52	286	101	46.8	7	0.3	<0.04	0.15
344322	0.61	290	103	51.8	6	0.3	<0.04	0.10
344323	0.63	308	102	54.4	5	0.3	<0.04	0.12
344325	0.61	276	95	53.6	3	0.3	<0.04	0.14
344326	0.63	289	100	46.5	4	0.2	<0.04	0.14
344327	0.65	292	111	40.3	3	0.3	<0.04	0.13
344328	0.71	323	116	53.9	8	0.3	<0.04	0.18

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Report File No.: 0000006217

Element Method Det.Lim. Units	@Ti	@V	@Zn	@Zr	@As	@Be	@Bi	@Cd
	GE_ICM40B 0.01 %	GE_ICM40B 2 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.5 ppm	GE_ICM40B 1 ppm	GE_ICM40B 0.1 ppm	GE_ICM40B 0.04 ppm	GE_ICM40B 0.02 ppm
344329	0.68	281	138	50.6	19	0.3	<0.04	0.26
344330	0.51	276	138	38.3	34	0.3	<0.04	0.22
344331	0.27	208	120	21.7	37	<0.1	<0.04	0.18
344332	0.15	196	88	21.7	41	0.1	<0.04	0.17
*Rep 344177	0.24	152	109	27.0				
*Std OREAS-903	0.16	68	25	150				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Rep 344244	0.04	187	74	20.3				
*Std OREAS-901	0.19	76	21	167				
*Std OREAS-903	0.17	67	20	141				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	1	<0.5				
*Rep 344288	0.17	169	109	68.3				
*Std OREAS-901	0.18	79	21	168				
*Blk BLANK	<0.01	<2	2	<0.5				
*Rep 344332	0.15	199	85	21.5				
*Std OREAS-901	0.20	77	20	167				
*Std OREAS-903	0.16	66	21	144				
*Blk BLANK	<0.01	<2	<1	<0.5				
*Blk BLANK	<0.01	<2	2	<0.5				
*Rep 344177					77	0.2	<0.04	0.09
*Std OREAS-901					72	6.3	4.49	0.05
*Std OREAS-903					48	4.4	8.68	0.19
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Rep 344244					20	0.2	<0.04	0.04
*Std OREAS-901					71	6.6	4.54	0.03
*Std OREAS-903					50	4.2	8.99	0.21
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Rep 344288					19	0.6	0.11	0.16
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Std OREAS-901					69	6.2	4.35	0.04
*Rep 344332					39	0.2	<0.04	0.15
*Std OREAS-901					68	6.0	4.62	0.04
*Std OREAS-903					49	4.6	8.89	0.20
*Blk BLANK					<1	<0.1	<0.04	<0.02
*Blk BLANK					<1	<0.1	<0.04	<0.02

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Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
344123	50.9	11.2	<1	15.4	2.16	0.03	22.6	0.15
344125	58.0	12.7	<1	16.7	1.91	0.02	26.9	0.13
344126	56.9	9.3	<1	17.6	1.90	0.03	25.3	0.15
344127	64.4	8.4	<1	17.3	1.50	0.02	31.8	0.12
344128	47.8	9.4	<1	18.1	1.88	0.03	21.5	0.13
344129	57.4	14.7	<1	18.0	2.25	0.04	25.5	0.18
344134	35.0	41.1	<1	15.1	3.64	0.08	14.3	0.47
344138	32.5	41.9	<1	15.9	3.18	0.08	13.0	0.45
344139	11.7	37.7	<1	15.0	0.65	0.06	5.0	0.21
344140	7.69	40.8	<1	14.5	0.44	0.05	3.1	0.22
344141	10.3	37.7	<1	13.2	0.84	0.06	3.9	0.27
344142	15.6	41.2	<1	13.8	1.18	0.06	6.2	0.25
344143	13.0	37.5	<1	13.7	1.29	0.07	5.1	0.26
344165	7.81	36.1	<1	12.5	0.99	0.08	2.9	0.22
344166	8.08	44.2	<1	15.4	0.84	0.06	2.9	0.23
344167	8.74	44.6	<1	16.2	0.51	0.06	3.2	0.22
344168	9.14	44.2	<1	15.2	0.41	0.06	3.3	0.21
344169	9.69	47.7	<1	16.6	0.32	0.06	3.6	0.23
344170	8.66	43.9	<1	14.9	0.32	0.06	3.2	0.21
344171	7.76	39.6	<1	14.1	0.19	0.05	2.9	0.21
344173	8.55	44.7	<1	15.1	0.45	0.05	3.0	0.22
344174	7.14	38.9	<1	13.2	0.58	0.05	2.6	0.20
344175	7.06	42.9	<1	14.3	0.91	0.09	2.6	0.22
344176	5.41	47.0	<1	13.2	0.67	0.04	1.9	0.21
344177	6.54	47.0	<1	12.9	0.79	0.05	2.6	0.19
344185	7.41	40.2	<1	13.8	0.32	0.06	2.7	0.23
344197	7.08	50.1	<1	12.2	0.47	0.05	2.5	0.20
344208	10.8	43.8	<1	14.2	1.05	0.06	3.9	0.27
344209	10.4	39.3	<1	13.6	0.79	0.08	3.9	0.15
344210	8.21	39.7	<1	13.6	0.75	0.06	3.0	0.14
344211	9.57	40.5	<1	14.7	1.13	0.07	3.5	0.16
344213	9.30	41.1	<1	14.3	1.17	0.06	3.4	0.14
344214	8.58	43.4	<1	14.8	1.21	0.06	3.1	0.14
344215	8.93	36.6	<1	12.1	1.02	0.07	3.4	0.14
344216	10.0	43.8	<1	15.9	1.18	0.05	3.7	0.13
344217	8.45	43.9	<1	14.8	1.13	0.06	3.1	0.12
344218	8.73	42.9	<1	15.1	0.37	0.06	3.2	0.08
344219	10.2	46.5	<1	16.8	1.37	0.06	3.7	0.14
344220	9.78	48.1	<1	16.9	1.44	0.06	3.7	0.13
344221	7.38	43.3	<1	14.7	0.92	0.06	2.7	0.11

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Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
344222	5.67	33.7	<1	12.6	0.65	0.05	2.1	0.13
344223	5.83	33.6	<1	11.4	0.64	0.05	2.0	0.13
344239	6.05	34.8	<1	11.6	0.81	0.06	2.2	0.08
344241	6.80	36.0	<1	12.4	0.93	0.06	2.5	0.09
344242	5.12	33.6	<1	13.5	0.65	0.05	1.9	0.10
344243	12.1	38.5	<1	12.6	0.78	0.04	4.7	0.10
344244	6.02	45.9	<1	13.2	0.56	0.05	2.1	0.11
344246	9.37	37.0	<1	12.1	0.71	0.07	3.6	0.11
344247	52.7	22.9	2	16.8	3.01	0.19	22.5	0.22
344249	50.5	33.8	2	18.4	3.43	0.79	21.4	0.26
344250	30.3	43.1	2	16.6	2.33	0.49	12.8	0.23
344251	9.62	41.5	<1	14.9	1.17	0.06	3.9	0.17
344252	8.75	32.7	<1	12.3	0.89	0.05	3.4	0.14
344253	8.79	38.0	<1	15.5	0.82	0.05	3.2	0.12
344269	6.44	43.8	<1	7.8	0.21	0.04	2.3	0.18
344275	6.14	72.0	<1	7.2	0.66	0.03	2.6	0.16
344276	15.1	40.6	<1	15.9	1.25	0.05	5.8	0.21
344277	7.55	49.2	<1	15.3	0.31	0.06	2.9	0.23
344288	36.7	35.7	2	16.3	2.08	0.06	15.7	0.19
344289	9.15	32.8	2	13.9	1.31	0.06	3.4	0.25
344293	19.5	38.1	1	14.5	1.33	0.06	7.5	0.15
344305	9.97	40.4	<1	14.7	1.19	0.07	3.4	0.19
344306	12.8	36.9	1	14.9	1.46	0.07	4.4	0.23
344310	13.0	41.9	2	16.8	1.57	0.08	4.4	0.28
344311	13.4	37.6	<1	16.8	1.62	0.08	4.5	0.27
344313	13.5	40.0	1	15.9	1.46	0.08	4.6	0.26
344314	14.2	46.0	2	17.0	1.78	0.08	4.8	0.25
344315	13.9	36.9	2	15.5	1.62	0.08	4.7	0.24
344316	13.6	39.3	1	16.4	1.47	0.08	4.7	0.25
344317	14.8	44.7	2	18.0	1.63	0.08	5.1	0.33
344318	12.5	41.9	2	15.0	1.37	0.09	4.3	0.33
344319	13.6	38.8	1	16.1	1.48	0.08	4.6	0.28
344320	13.4	40.7	1	15.9	1.48	0.08	4.5	0.27
344321	13.3	38.4	1	16.3	1.39	0.08	4.4	0.32
344322	13.6	40.3	1	16.7	1.54	0.08	4.7	0.37
344323	14.1	40.6	2	16.8	1.56	0.08	4.9	0.36
344325	12.6	37.2	2	15.2	1.48	0.08	4.2	0.30
344326	13.4	42.0	<1	17.0	1.35	0.08	4.5	0.29
344327	14.4	44.4	<1	17.7	1.21	0.08	4.9	0.28
344328	14.5	43.3	2	18.8	1.52	0.08	4.9	0.29

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Report File No.: 0000006217

Element Method Det.Lim. Units	@Ce GE_ICM40B 0.05 ppm	@Co GE_ICM40B 0.1 ppm	@Cs GE_ICM40B 1 ppm	@Ga GE_ICM40B 0.1 ppm	@Hf GE_ICM40B 0.02 ppm	@In GE_ICM40B 0.02 ppm	@La GE_ICM40B 0.1 ppm	@Lu GE_ICM40B 0.01 ppm
344329	13.7	42.2	1	17.1	1.43	0.09	4.7	0.25
344330	8.85	45.6	1	16.5	1.13	0.07	3.1	0.23
344331	5.98	48.1	1	14.2	0.73	0.06	2.0	0.20
344332	5.94	48.0	1	14.1	0.65	0.06	2.0	0.18
*Rep 344177	6.60	45.8	<1	12.7	0.78	0.05	2.6	0.19
*Std OREAS-901	90.9	75.1	5	18.8	5.26	0.26	44.2	0.50
*Std OREAS-903	79.0	131	3	15.2	4.58	0.15	37.5	0.34
*Blk BLANK	<0.05	<0.1	<1	<0.1	0.03	<0.02	<0.1	<0.01
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Rep 344244	5.76	43.8	<1	12.8	0.56	0.05	2.1	0.10
*Std OREAS-901	90.7	74.7	5	18.7	5.21	0.26	44.7	0.52
*Std OREAS-903	79.4	121	4	14.7	4.45	0.15	39.5	0.35
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Rep 344288	37.6	35.0	2	16.3	2.04	0.06	16.1	0.18
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Std OREAS-901	92.9	73.1	5	18.6	5.09	0.26	45.7	0.51
*Rep 344332	5.75	47.5	1	14.2	0.69	0.06	2.0	0.19
*Std OREAS-901	93.9	75.2	5	19.0	5.25	0.25	43.3	0.52
*Std OREAS-903	79.6	136	4	15.9	4.51	0.16	37.3	0.36
*Blk BLANK	<0.05	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01
*Blk BLANK	0.07	<0.1	<1	<0.1	<0.02	<0.02	<0.1	<0.01

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344123	1.12	6.1	17.5	18.1	0.47	6.8	<2	0.9
344125	3.01	5.9	4.9	18.0	0.38	6.6	<2	0.9
344126	1.46	6.5	5.2	17.6	0.62	7.1	<2	0.9
344127	1.62	4.8	4.4	31.7	0.44	5.2	<2	0.8
344128	2.14	5.3	4.3	34.8	0.34	6.9	<2	0.9
344129	2.04	5.7	7.7	34.0	0.48	10.3	<2	1.0
344134	1.13	11.2	3.3	3.6	1.13	31.1	<2	1.1
344138	0.79	10.6	3.1	4.6	1.48	31.1	<2	1.1
344139	0.79	5.3	1.7	2.1	1.12	28.0	<2	0.6
344140	0.38	2.5	1.6	2.5	1.14	29.7	<2	0.6
344141	0.75	5.6	2.1	2.9	0.47	31.0	<2	0.7
344142	0.41	3.2	1.6	2.3	0.61	32.8	<2	0.7
344143	0.43	3.1	1.4	4.8	0.63	29.1	<2	0.7
344165	1.03	1.6	2.1	24.1	0.37	26.2	<2	1.0
344166	1.25	1.7	1.5	30.2	0.34	32.3	<2	0.5
344167	0.26	2.1	2.7	9.0	0.41	32.9	<2	0.6
344168	0.33	2.3	2.1	5.2	0.51	32.3	<2	0.5
344169	0.26	1.9	1.6	3.9	0.75	36.3	<2	0.4
344170	0.26	3.6	2.3	3.2	0.75	32.6	<2	0.4
344171	0.24	1.5	1.5	2.8	0.37	29.8	<2	0.3
344173	0.25	1.6	1.4	3.1	0.26	33.1	<2	<0.3
344174	0.24	1.3	1.5	2.8	0.26	27.4	<2	0.3
344175	0.36	2.1	2.0	10.6	0.27	28.8	<2	0.9
344176	0.27	1.2	2.9	2.2	0.21	27.2	<2	0.5
344177	0.50	1.6	2.9	1.8	0.53	26.3	<2	1.3
344185	0.59	2.3	3.6	12.3	1.13	30.4	<2	0.6
344197	0.89	2.0	1.2	1.4	0.71	30.7	<2	0.6
344208	0.52	1.8	1.4	2.2	4.02	31.6	<2	0.4
344209	0.92	0.4	1.6	18.4	3.70	28.8	<2	0.4
344210	0.87	0.5	1.5	13.8	4.43	30.8	<2	<0.3
344211	0.24	0.8	1.3	12.7	3.85	32.6	<2	0.9
344213	0.38	0.7	1.1	9.6	3.01	33.2	<2	0.3
344214	0.60	0.5	1.2	7.5	1.40	33.5	<2	<0.3
344215	5.41	0.7	1.2	3.9	3.33	28.3	<2	0.3
344216	0.69	0.7	1.0	7.1	4.40	33.8	<2	0.3
344217	0.95	0.5	1.2	5.0	5.33	31.8	<2	<0.3
344218	0.99	<0.1	1.4	4.3	0.73	25.2	<2	<0.3
344219	0.51	0.9	1.4	5.3	4.36	35.6	<2	0.3
344220	0.63	0.7	1.3	6.9	2.25	36.0	<2	0.4
344221	0.52	0.5	1.4	4.3	3.97	30.9	<2	<0.3

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Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
344222	0.21	0.5	1.0	5.3	1.86	27.5	<2	<0.3
344223	0.38	0.5	0.7	11.7	1.48	26.2	<2	<0.3
344239	0.22	0.4	0.9	8.7	36.3	29.2	<2	<0.3
344241	0.35	0.7	1.5	6.6	7.83	32.8	<2	<0.3
344242	1.00	0.5	1.6	10.0	5.02	31.2	<2	0.5
344243	0.27	0.6	1.0	13.9	2.60	24.8	<2	<0.3
344244	0.23	0.4	0.9	0.3	2.07	29.7	<2	<0.3
344246	0.49	2.3	0.9	11.6	3.96	28.6	<2	0.4
344247	1.39	2.4	5.0	68.0	2.61	19.3	<2	2.7
344249	3.31	3.6	8.2	66.5	4.43	18.2	2	4.9
344250	3.07	2.2	7.3	54.4	4.41	23.5	3	3.5
344251	0.32	1.3	3.6	28.5	9.06	33.0	<2	1.0
344252	0.93	0.5	1.5	17.6	2.99	27.8	<2	0.5
344253	0.28	1.6	1.3	3.9	3.32	39.7	<2	0.5
344269	1.00	2.1	0.7	0.5	0.46	29.3	<2	0.5
344275	0.32	1.5	0.9	0.4	0.58	21.1	<2	<0.3
344276	0.79	3.2	5.0	29.1	7.60	29.4	<2	0.9
344277	0.28	3.1	1.4	6.0	1.06	38.5	<2	0.7
344288	0.80	1.4	3.5	62.3	1.27	26.3	<2	0.7
344289	0.42	1.3	4.5	49.6	0.70	36.1	<2	0.6
344293	0.45	1.8	3.7	18.1	1.75	29.4	<2	0.3
344305	0.97	0.7	2.1	15.2	1.90	29.1	<2	0.5
344306	0.81	0.5	2.0	13.2	2.55	28.1	<2	0.4
344310	0.49	2.6	2.4	21.4	2.52	31.2	<2	0.8
344311	0.44	2.4	2.3	7.2	3.78	31.4	<2	0.6
344313	0.41	2.0	2.4	12.3	4.92	30.0	<2	0.6
344314	0.43	2.8	2.1	23.5	3.48	31.5	<2	0.8
344315	0.92	2.4	2.3	24.6	4.22	28.3	<2	0.8
344316	0.43	2.7	2.2	17.0	4.02	32.4	<2	0.8
344317	0.66	2.5	2.7	24.8	3.81	33.8	<2	0.8
344318	0.83	2.3	2.5	22.9	6.98	28.9	<2	0.8
344319	0.45	2.7	1.7	12.4	3.19	29.4	<2	0.7
344320	0.38	2.5	1.4	13.8	1.91	29.7	<2	0.7
344321	0.46	2.5	1.2	8.2	3.19	29.4	<2	0.6
344322	0.41	2.6	1.3	13.1	2.73	31.4	<2	0.7
344323	0.33	2.8	1.4	20.9	2.09	31.4	<2	0.8
344325	0.70	2.7	1.5	28.1	1.78	28.7	<2	0.8
344326	0.37	2.9	1.4	9.8	1.33	31.5	<2	0.7
344327	0.33	3.0	1.4	1.7	1.84	32.5	<2	0.6
344328	0.48	3.3	1.5	27.1	2.01	36.1	<2	0.9

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Element Method Det.Lim. Units	@Mo GE_ICM40B 0.05 ppm	@Nb GE_ICM40B 0.1 ppm	@Pb GE_ICM40B 0.5 ppm	@Rb GE_ICM40B 0.2 ppm	@Sb GE_ICM40B 0.05 ppm	@Sc GE_ICM40B 0.5 ppm	@Se GE_ICM40B 2 ppm	@Sn GE_ICM40B 0.3 ppm
344329	0.54	2.9	1.5	25.4	2.63	32.7	<2	0.9
344330	0.64	2.3	2.2	19.8	3.85	34.5	<2	0.8
344331	0.31	0.7	1.6	15.7	2.27	32.1	<2	0.5
344332	0.51	0.4	1.5	20.0	3.63	33.3	<2	0.4
*Rep 344177	0.66	1.4	3.1	1.7	0.51	24.5	<2	0.9
*Std OREAS-901	3.26	6.0	17.6	162	2.48	14.5	3	3.1
*Std OREAS-903	4.31	5.2	11.4	139	1.54	10.2	6	2.5
*Blk BLANK	<0.05	<0.1	0.6	<0.2	<0.05	<0.5	<2	<0.3
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Rep 344244	0.22	0.4	0.9	0.3	1.56	29.7	<2	<0.3
*Std OREAS-901	3.08	6.1	16.0	160	2.43	15.0	3	3.3
*Std OREAS-903	4.14	5.0	10.1	135	1.59	9.3	5	2.6
*Blk BLANK	<0.05	<0.1	0.6	<0.2	<0.05	<0.5	<2	<0.3
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Rep 344288	0.83	0.9	3.5	61.6	1.24	26.1	<2	0.9
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Std OREAS-901	3.13	6.3	16.3	158	2.50	13.2	3	3.1
*Rep 344332	0.64	0.4	1.9	20.2	3.51	33.7	<2	0.4
*Std OREAS-901	3.26	6.7	17.4	155	2.54	14.0	3	3.2
*Std OREAS-903	4.18	4.9	10.8	137	1.59	10.4	5	2.5
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3
*Blk BLANK	<0.05	<0.1	<0.5	<0.2	<0.05	<0.5	<2	<0.3

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344123	0.65	0.34	0.11	4.4	0.15	1.28	0.4	10.9
344125	0.67	0.35	0.06	3.8	0.11	1.19	0.4	10.1
344126	0.82	0.34	0.07	4.8	0.09	1.20	0.4	10.6
344127	0.60	0.32	<0.05	3.7	0.14	0.95	0.3	9.7
344128	0.61	0.31	<0.05	3.7	0.15	1.05	0.3	9.5
344129	0.56	0.51	<0.05	3.8	0.16	1.15	0.3	14.1
344134	0.93	0.87	0.05	1.5	0.03	0.38	0.3	31.4
344138	0.86	0.86	<0.05	1.4	0.03	0.35	0.6	30.6
344139	0.73	0.46	<0.05	0.3	<0.02	0.09	0.3	16.5
344140	0.28	0.38	<0.05	0.3	<0.02	0.08	0.2	14.7
344141	0.88	0.45	<0.05	0.4	<0.02	0.10	0.4	18.2
344142	0.33	0.46	<0.05	0.7	<0.02	0.19	0.2	17.4
344143	0.33	0.45	<0.05	0.6	0.03	0.19	0.2	17.2
344165	0.15	0.37	<0.05	0.4	0.21	0.11	<0.1	13.7
344166	0.22	0.39	<0.05	0.3	0.27	0.07	<0.1	15.5
344167	0.27	0.44	<0.05	0.3	0.09	0.07	<0.1	16.9
344168	0.32	0.43	<0.05	0.3	0.03	0.07	<0.1	17.0
344169	0.27	0.47	<0.05	0.3	0.03	0.08	<0.1	18.6
344170	0.82	0.42	<0.05	0.3	0.04	0.07	<0.1	16.6
344171	0.16	0.38	<0.05	0.3	0.03	0.06	<0.1	15.2
344173	0.26	0.41	<0.05	0.3	0.03	0.08	<0.1	15.6
344174	0.14	0.36	<0.05	0.2	0.03	0.05	<0.1	14.4
344175	0.31	0.35	<0.05	0.3	0.10	0.08	<0.1	14.7
344176	0.16	0.33	<0.05	<0.2	0.03	<0.05	<0.1	13.4
344177	0.09	0.30	<0.05	0.2	<0.02	0.06	0.1	12.3
344185	0.39	0.44	<0.05	0.3	0.06	0.07	0.2	15.4
344197	0.35	0.38	0.05	0.2	<0.02	0.06	0.3	13.1
344208	0.20	0.53	<0.05	0.3	<0.02	0.08	<0.1	16.5
344209	0.13	0.25	<0.05	0.4	0.07	0.08	0.1	6.4
344210	0.18	0.23	<0.05	0.3	0.06	0.05	0.1	5.2
344211	0.21	0.22	<0.05	0.3	0.06	0.07	0.1	5.7
344213	0.19	0.21	<0.05	0.3	0.05	0.07	0.1	4.2
344214	0.07	0.18	<0.05	0.3	0.04	0.07	<0.1	3.7
344215	0.17	0.19	<0.05	0.3	0.02	0.10	<0.1	4.4
344216	0.25	0.21	<0.05	0.3	0.04	0.08	0.1	4.1
344217	0.15	0.19	<0.05	0.3	0.02	0.09	0.2	3.5
344218	<0.05	0.19	<0.05	0.3	0.02	<0.05	<0.1	3.0
344219	0.17	0.26	<0.05	0.3	0.02	0.08	<0.1	4.6
344220	0.11	0.22	<0.05	0.4	0.03	0.10	<0.1	4.0
344221	0.08	0.20	0.06	0.2	0.02	<0.05	<0.1	3.9

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Element Method Det.Lim. Units	@Ta GE_ICM40B 0.05 ppm	@Tb GE_ICM40B 0.05 ppm	@Te GE_ICM40B 0.05 ppm	@Th GE_ICM40B 0.2 ppm	@Tl GE_ICM40B 0.02 ppm	@U GE_ICM40B 0.05 ppm	@W GE_ICM40B 0.1 ppm	@Y GE_ICM40B 0.1 ppm
344222	0.12	0.19	<0.05	<0.2	<0.02	<0.05	<0.1	4.6
344223	0.10	0.21	<0.05	<0.2	0.05	<0.05	<0.1	5.4
344239	0.06	0.15	<0.05	<0.2	0.05	<0.05	0.1	2.6
344241	0.16	0.15	<0.05	0.2	0.05	<0.05	<0.1	2.7
344242	0.09	0.16	0.08	<0.2	0.08	<0.05	0.1	3.7
344243	0.14	0.23	<0.05	0.4	0.12	0.10	0.1	5.3
344244	0.11	0.21	<0.05	<0.2	<0.02	0.08	<0.1	4.9
344246	0.55	0.19	<0.05	0.5	0.09	0.12	<0.1	5.2
344247	0.41	0.47	0.08	3.4	0.80	0.65	0.1	11.5
344249	0.41	0.47	0.27	4.6	1.10	0.75	0.1	12.1
344250	0.35	0.40	0.22	2.5	0.84	0.46	<0.1	11.2
344251	0.31	0.25	<0.05	0.3	0.43	0.12	0.1	7.8
344252	0.07	0.20	<0.05	0.2	0.28	0.08	<0.1	5.6
344253	0.41	0.24	<0.05	0.3	0.06	0.08	<0.1	5.4
344269	0.17	0.36	<0.05	<0.2	<0.02	<0.05	<0.1	14.1
344275	0.12	0.27	<0.05	<0.2	0.03	<0.05	<0.1	10.6
344276	0.35	0.40	<0.05	1.3	0.16	0.35	0.3	14.3
344277	0.44	0.41	<0.05	0.2	0.02	0.06	0.1	17.3
344288	0.12	0.35	<0.05	2.4	0.35	0.72	0.1	9.8
344289	0.15	0.42	<0.05	0.3	0.37	0.10	0.6	13.3
344293	0.15	0.26	<0.05	1.1	0.14	0.28	0.2	6.1
344305	0.09	0.32	0.06	0.3	0.10	0.07	0.4	8.8
344306	0.06	0.45	<0.05	0.4	0.09	0.08	0.4	11.1
344310	0.17	0.50	<0.05	0.5	0.12	0.09	31.7	14.8
344311	0.22	0.52	<0.05	0.4	0.05	0.09	5.0	12.5
344313	0.17	0.46	<0.05	0.4	0.07	0.09	3.4	11.4
344314	0.25	0.46	<0.05	0.5	0.11	0.10	8.0	11.0
344315	0.21	0.42	<0.05	0.5	0.11	0.12	13.3	10.1
344316	0.23	0.48	<0.05	0.5	0.08	0.09	1.3	10.7
344317	0.20	0.60	<0.05	0.5	0.10	0.10	6.3	16.9
344318	0.18	0.59	0.15	0.4	0.09	0.08	7.0	18.9
344319	0.25	0.50	<0.05	0.4	0.05	0.08	2.5	13.4
344320	0.22	0.48	<0.05	0.4	0.06	0.08	4.2	12.6
344321	0.28	0.54	<0.05	0.4	0.04	0.08	3.6	16.6
344322	0.23	0.68	<0.05	0.4	0.06	0.09	0.7	22.8
344323	0.24	0.65	<0.05	0.4	0.09	0.08	4.2	20.5
344325	0.22	0.55	<0.05	0.4	0.11	0.08	4.2	15.1
344326	0.26	0.55	<0.05	0.4	0.04	0.08	2.4	15.0
344327	0.28	0.61	<0.05	0.5	<0.02	0.09	0.4	15.9
344328	0.28	0.57	<0.05	0.5	0.12	0.09	9.2	13.9

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Report File No.: 0000006217

Element Method Det.Lim. Units	@Ta GE_ICM40B 0.05 ppm	@Tb GE_ICM40B 0.05 ppm	@Te GE_ICM40B 0.05 ppm	@Th GE_ICM40B 0.2 ppm	@Tl GE_ICM40B 0.02 ppm	@U GE_ICM40B 0.05 ppm	@W GE_ICM40B 0.1 ppm	@Y GE_ICM40B 0.1 ppm
344329	0.23	0.53	<0.05	0.5	0.11	0.08	8.6	12.4
344330	0.26	0.45	<0.05	0.3	0.09	0.07	2.3	12.0
344331	0.08	0.34	<0.05	<0.2	0.07	0.05	1.1	10.6
344332	<0.05	0.34	<0.05	<0.2	0.09	<0.05	0.5	9.8
*Rep 344177	0.09	0.31	<0.05	0.2	<0.02	0.06	<0.1	12.2
*Std OREAS-901	0.73	1.08	0.08	14.9	0.74	10.1	2.6	38.0
*Std OREAS-903	0.58	0.73	<0.05	12.6	0.61	7.49	1.6	22.1
*Blk BLANK	<0.05	<0.05	0.08	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Rep 344244	0.12	0.23	<0.05	<0.2	<0.02	0.08	<0.1	4.7
*Std OREAS-901	0.64	1.20	0.10	15.2	0.76	9.85	2.5	37.7
*Std OREAS-903	0.58	0.80	<0.05	13.2	0.63	7.55	1.6	21.9
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Rep 344288	0.09	0.35	<0.05	2.3	0.36	0.70	<0.1	9.9
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Std OREAS-901	0.77	1.13	0.08	16.1	0.77	11.0	2.5	38.7
*Rep 344332	0.05	0.34	<0.05	<0.2	0.09	<0.05	0.5	9.8
*Std OREAS-901	0.78	1.16	0.07	16.0	0.79	10.5	2.9	37.0
*Std OREAS-903	0.53	0.77	<0.05	12.8	0.64	7.31	1.6	22.0
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1
*Blk BLANK	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.1	<0.1

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Final : SU1501528B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006217

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
344123	1.0
344125	0.9
344126	1.0
344127	0.8
344128	0.8
344129	1.2
344134	3.0
344138	2.9
344139	1.5
344140	1.5
344141	1.8
344142	1.7
344143	1.7
344165	1.4
344166	1.5
344167	1.5
344168	1.6
344169	1.6
344170	1.5
344171	1.4
344173	1.5
344174	1.4
344175	1.5
344176	1.3
344177	1.2
344185	1.5
344197	1.3
344208	1.8
344209	0.9
344210	0.8
344211	0.9
344213	0.8
344214	0.7
344215	0.7
344216	0.7
344217	0.6
344218	0.4
344219	0.7
344220	0.8
344221	0.6

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Final : SU1501528B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006217

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
344222	0.7
344223	0.8
344239	0.4
344241	0.5
344242	0.5
344243	0.6
344244	0.6
344246	0.7
344247	1.3
344249	1.5
344250	1.4
344251	1.0
344252	0.8
344253	0.8
344269	1.3
344275	1.0
344276	1.4
344277	1.6
344288	1.1
344289	1.7
344293	1.0
344305	1.3
344306	1.5
344310	1.9
344311	2.0
344313	1.9
344314	1.6
344315	1.5
344316	1.6
344317	2.2
344318	2.3
344319	1.8
344320	1.7
344321	2.2
344322	2.6
344323	2.5
344325	2.1
344326	1.9
344327	1.9
344328	1.9

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Final : SU1501528B Order: Mining & Exploration - GE_ICM40B

Report File No.: 0000006217

Element Method Det.Lim. Units	@Yb GE_ICM40B 0.1 ppm
344329	1.7
344330	1.5
344331	1.3
344332	1.2
*Rep 344177	1.2
*Std OREAS-901	3.2
*Std OREAS-903	2.2
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Rep 344244	0.7
*Std OREAS-901	3.3
*Std OREAS-903	2.2
*Blk BLANK	<0.1
*Blk BLANK	<0.1
*Rep 344288	1.1
*Blk BLANK	<0.1
*Std OREAS-901	3.4
*Rep 344332	1.3
*Std OREAS-901	3.6
*Std OREAS-903	2.4
*Blk BLANK	<0.1
*Blk BLANK	<0.1

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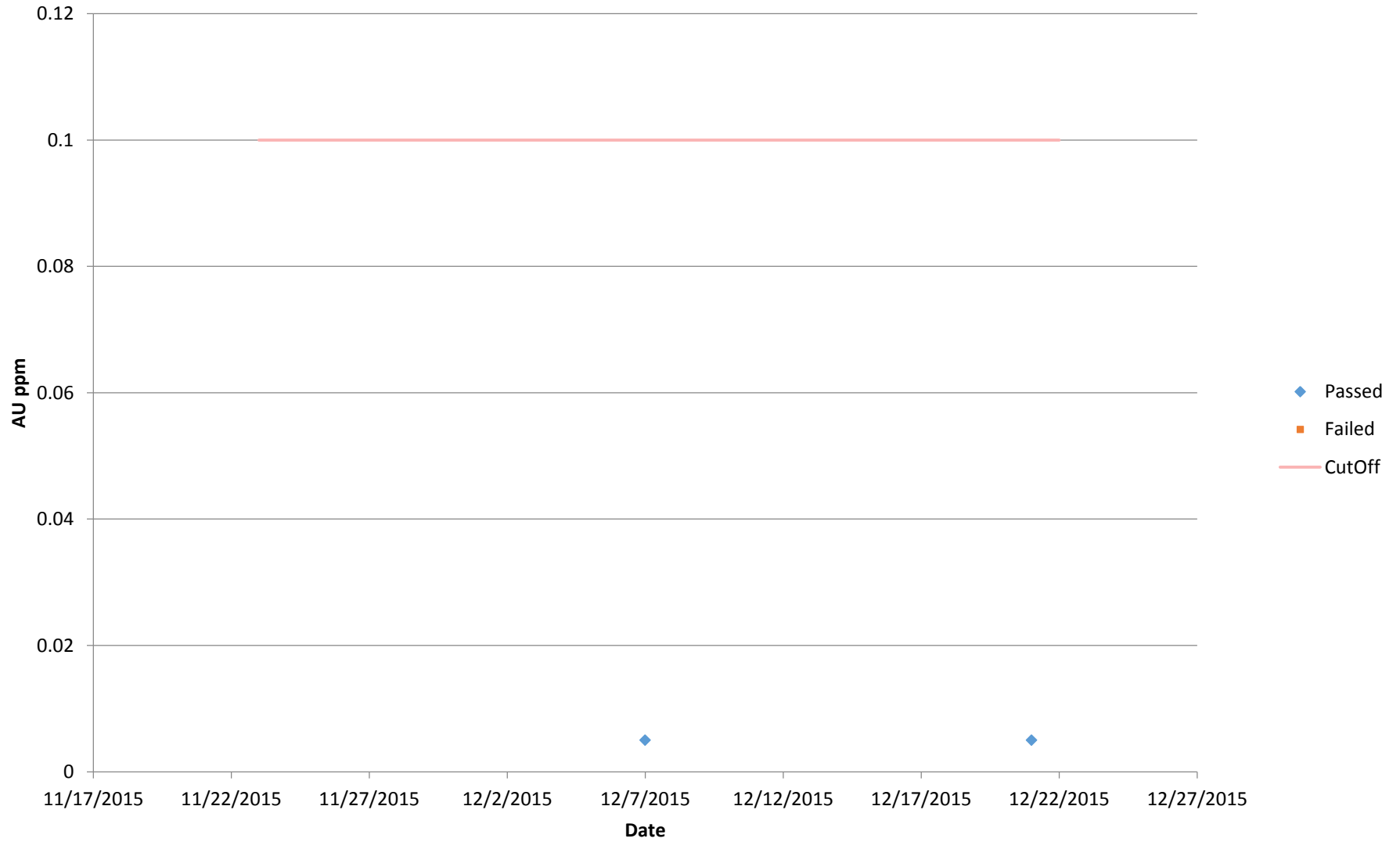
WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law .

Appendix 3 (QA/QC)

QA/QC Results - Blanks

Date Range : 24/11/2015 to 21/12/2015

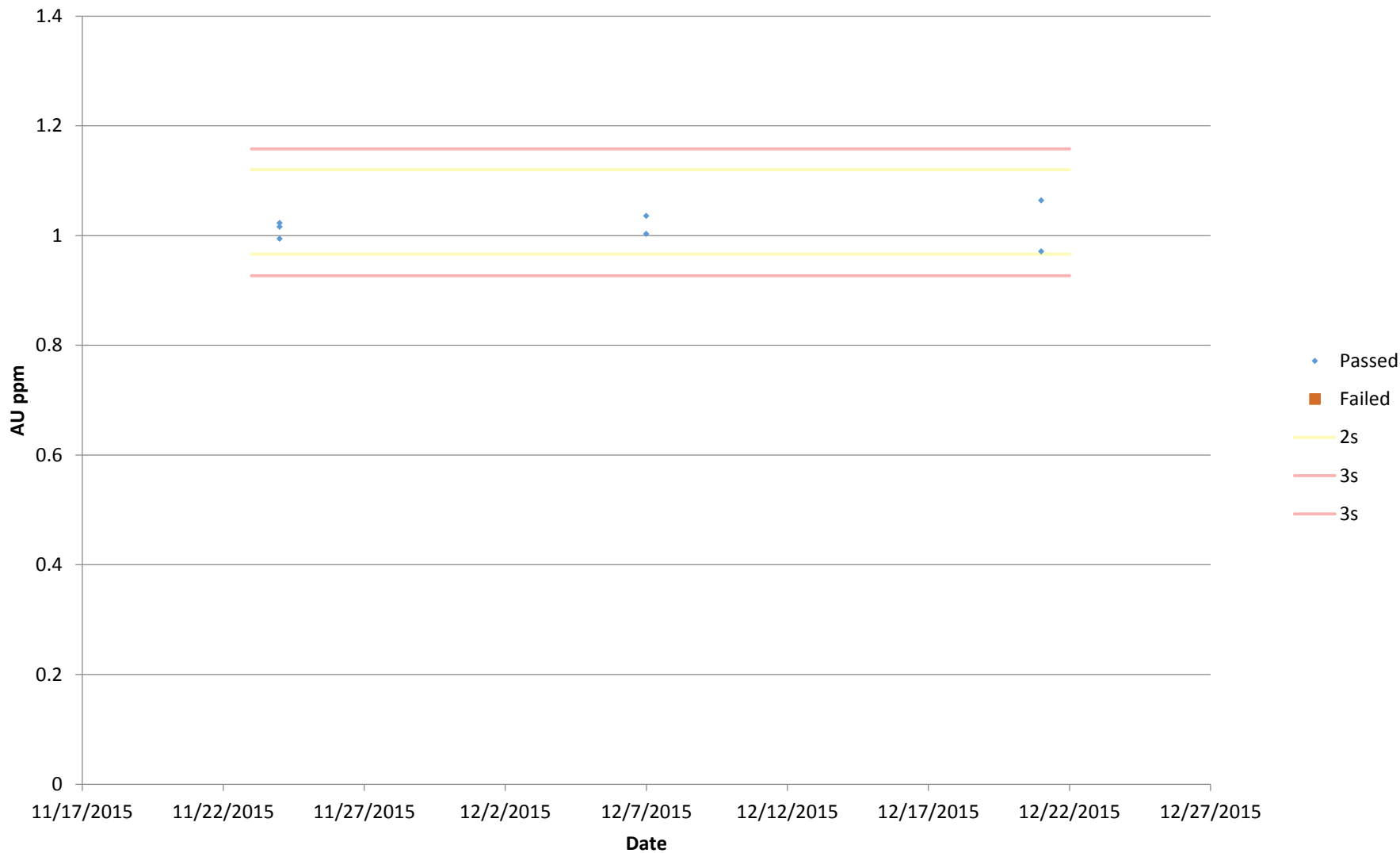
Lab: ActLabs Blank Code: BLKDIA Warning: 0.1 AU ppm



QA/QC Results - Standards

Date Range : 24/11/2015 to 21/12/2015

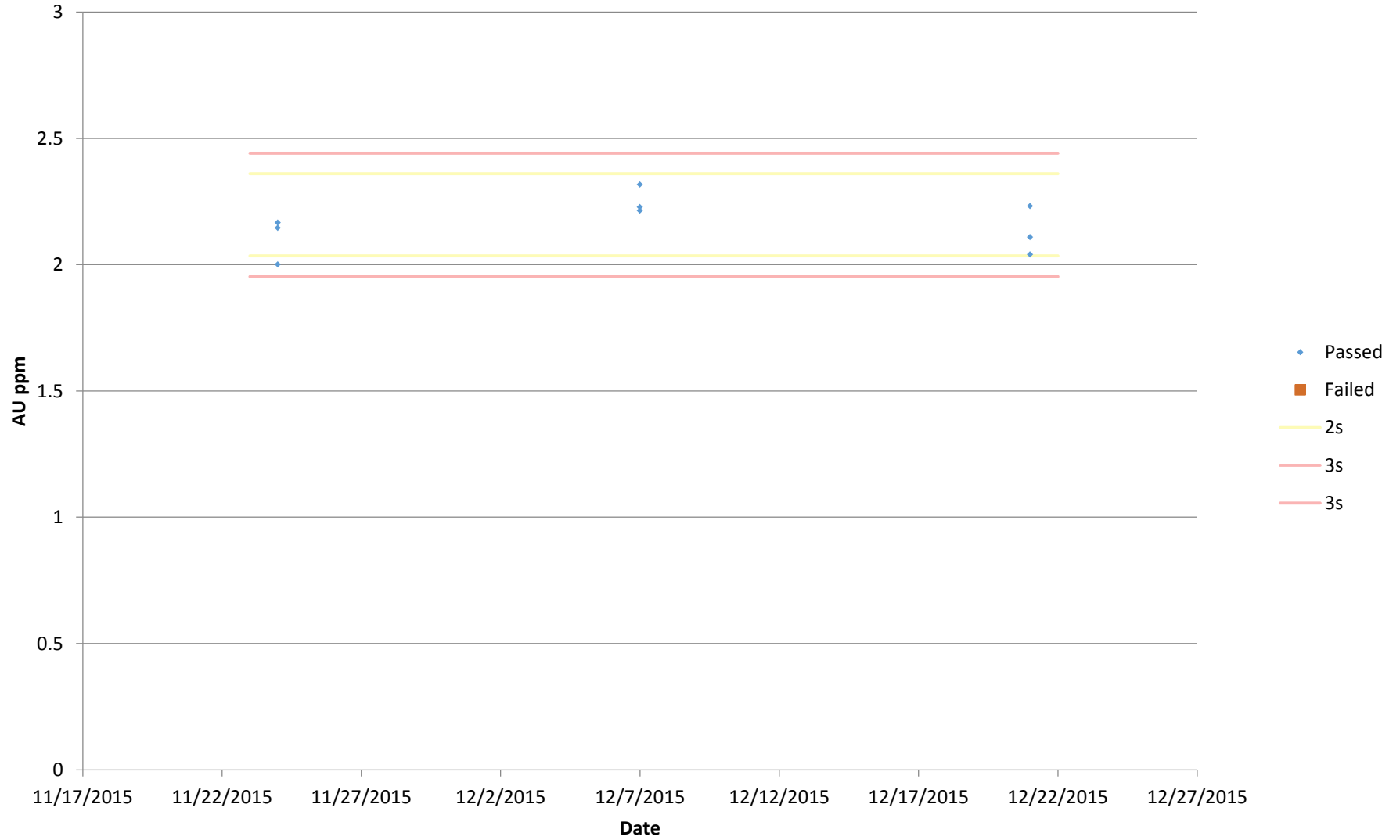
Lab: ActLabs Standard: OREAS 204 Mean:1.043 AU ppm



QA/QC Results - Standards

Date Range : 24/11/2015 to 21/12/2015

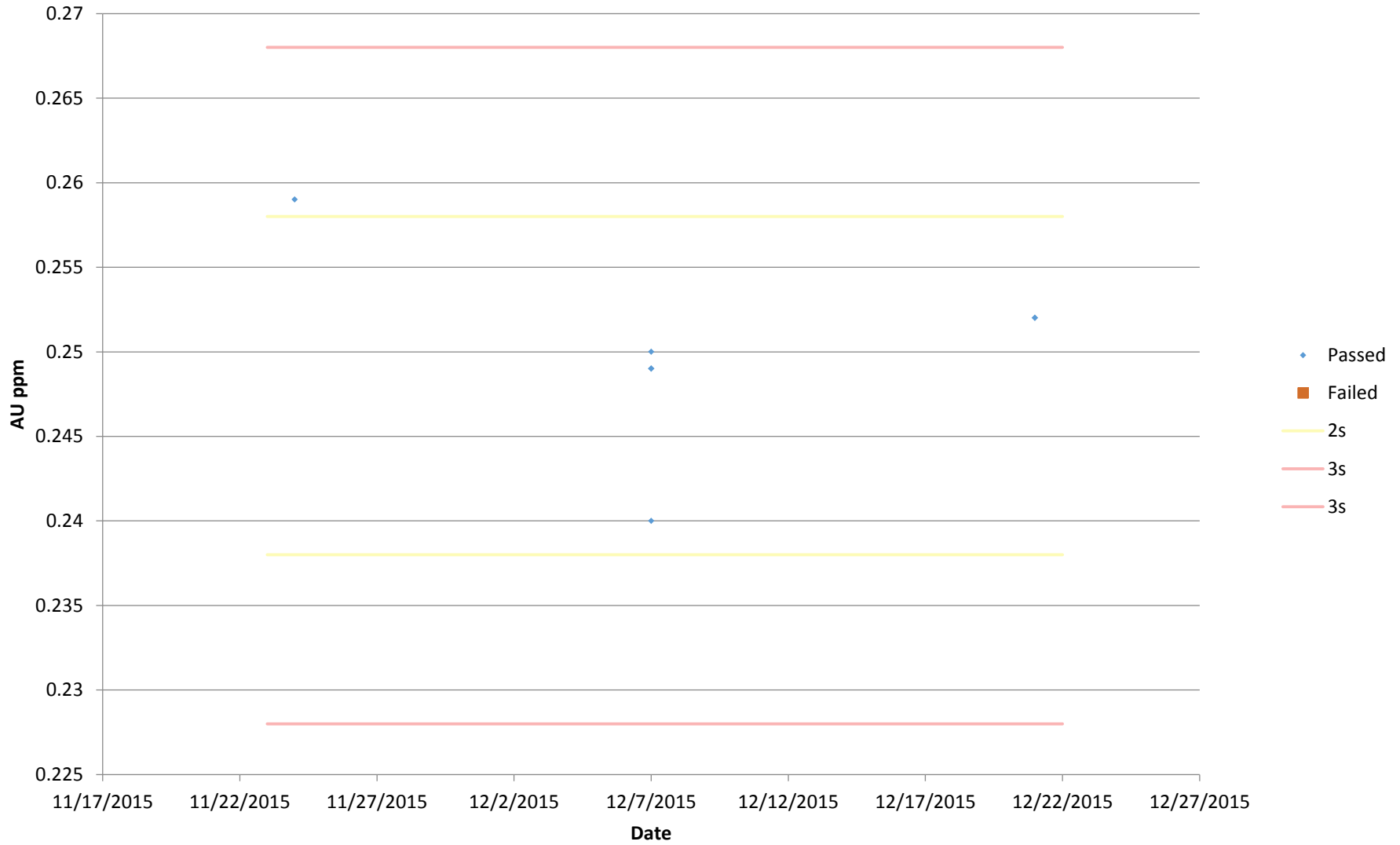
Lab: ActLabs Standard: OREAS 206 Mean:2.197 AU ppm



QA/QC Results - Standards

Date Range : 24/11/2015 to 21/12/2015

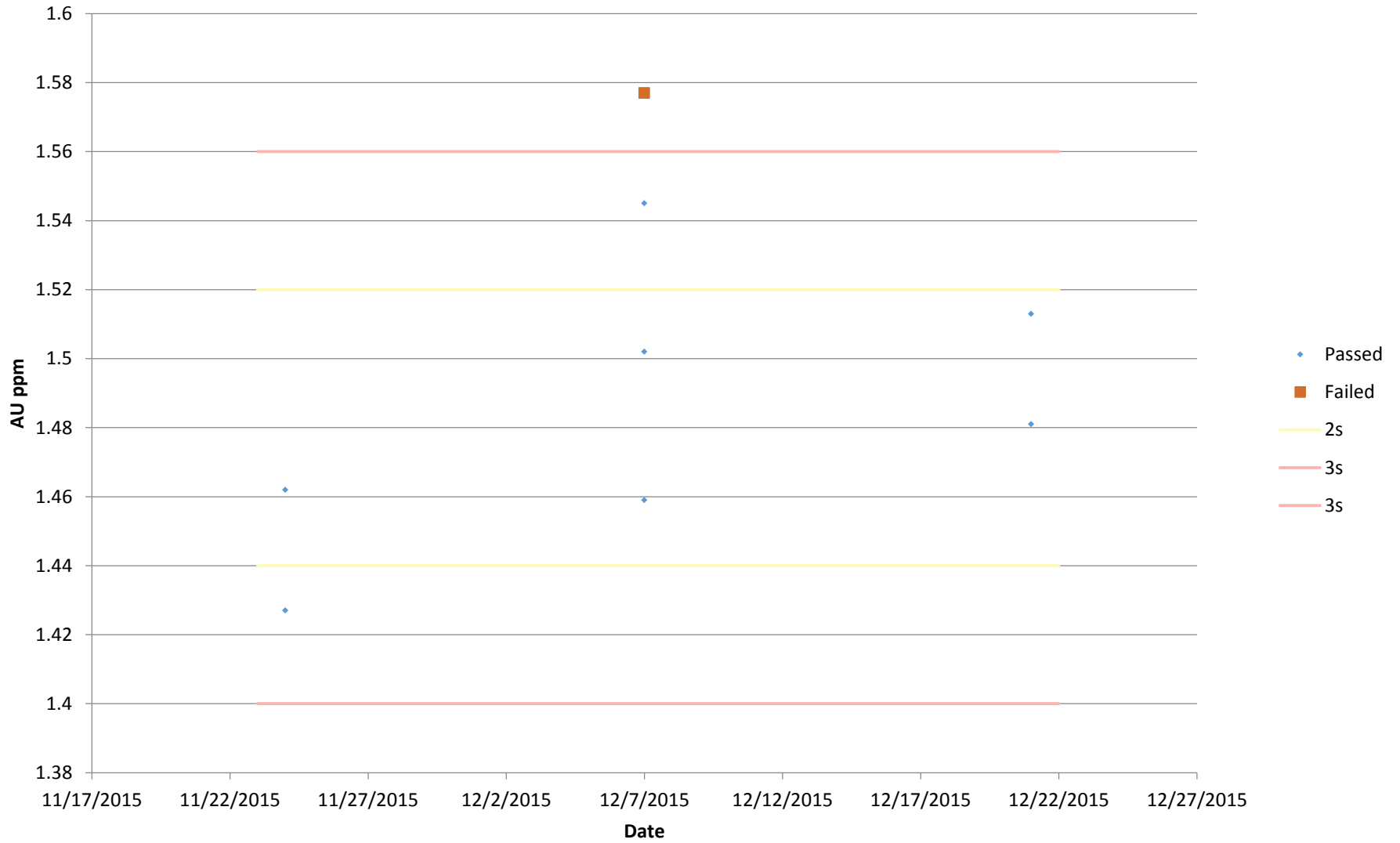
Lab: ActLabs Standard: OREAS 501b Mean:0.248 AU ppm



QA/QC Results - Standards

Date Range : 24/11/2015 to 21/12/2015

Lab: ActLabs Standard: OREAS 504 Mean:1.48 AU ppm



Appendix 4 (Drill Plan)

440500 000000

441000 000000

441500 000000

442000 000000

4249462

5270500 000000

5270500 000000

5270000 000000

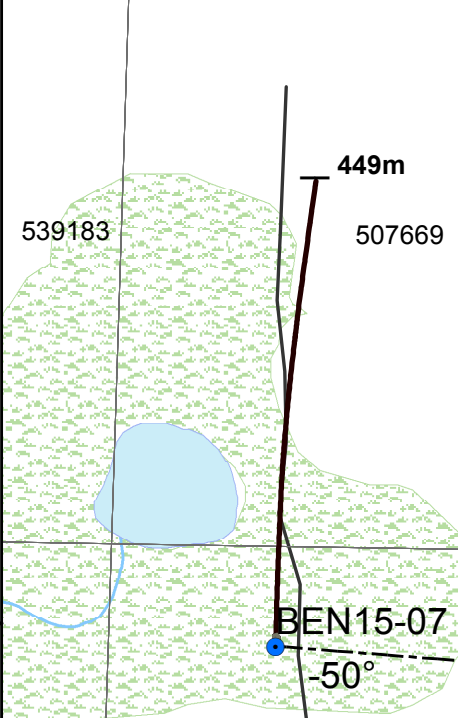
5270000 000000

440500 000000

441000 000000

441500 000000

442000 000000



Benneweis Creek

BEN15-06

224m

-46°

431m

BEN15-05

-50°

L102E

L106E

L110E

L114E

L118E

ST. LOUIS TWP.

BENNEWEIS TWP.

TRELAWNEY MINING AND EXPLORATION INC.
TME EAST & ARITHMATHAEA EAST PROPERTY

2015 DIAMOND DRILLING PROGRAM

SCALE 1:5,000

NAD83:UTM ZONE 17N

Legend

- 2015 DDH
- - - Access Route
- Claim Boundaries
- TME East Grid
- Lakes
- Rivers & Streams
- Wetlands
- Township Boundaries

4249468

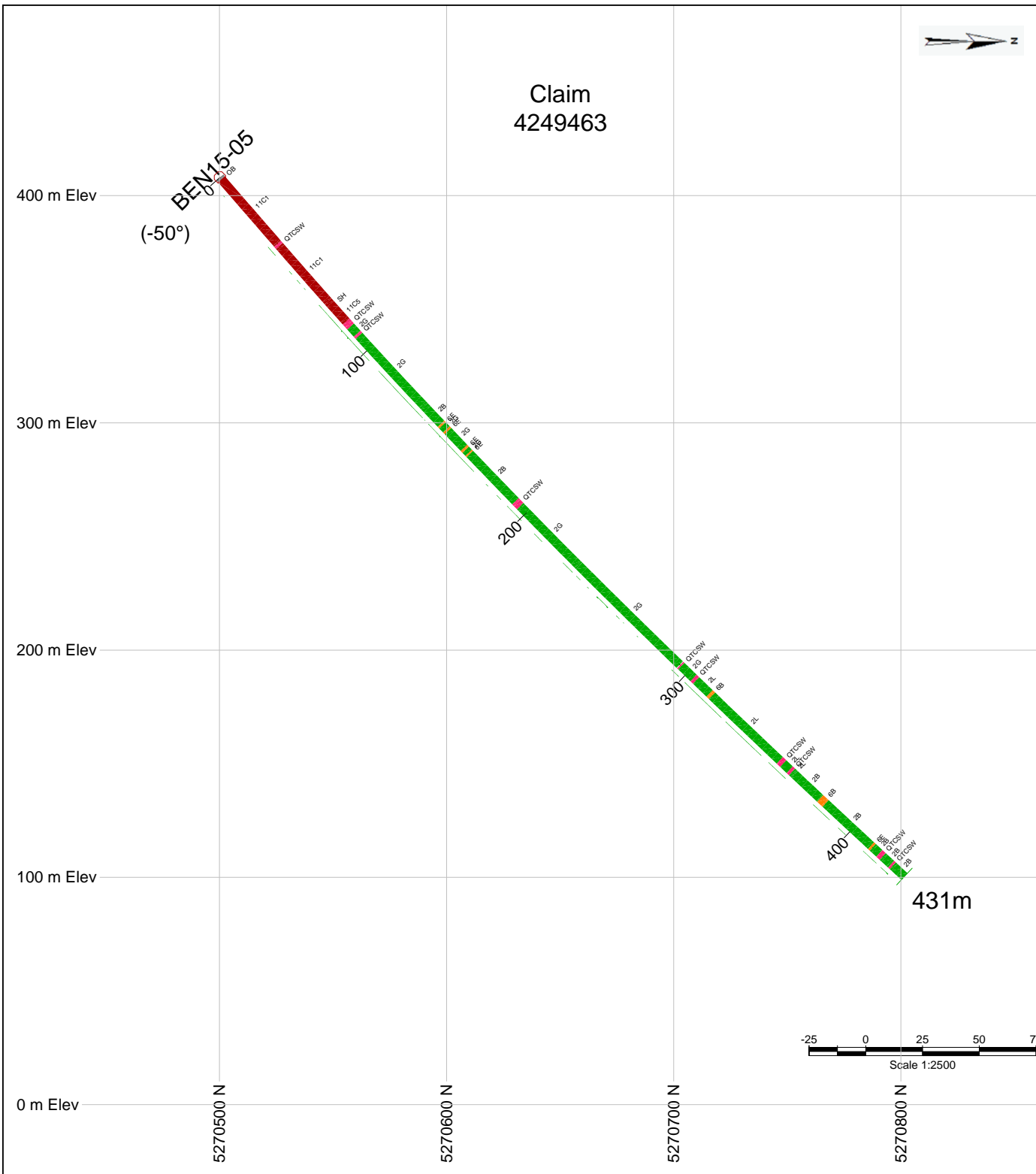


Access Trail

Access Trail

Benneweis Logging Rd.

Appendix 5 (Drill Sections)



LEGEND - LITHOLOGY

- 14 Proterozoic to Archean Mafic Intrusive - Matachewan (NW), Biscotasing (ENE), & Sudburg (WNW)**
14B Fine-grained Diabase dykes
- 11 Timiskaming Sediments - 2683-2695 Ma**
11C1 Conglomerate (Chester intrusive clast supported)
11C5 Conglomerate (sedimentary matrix supported)
- 8 Synvolcanic Felsic to Intermediate Intrusives (Chester Intrusives) - 2740 Ma**
8D Granodiorite-Monzodiorite
- 6 Clastic Metasediments**
6B Arenaceous - Arenite (Sandstone)
6D Greywacke
6E Argillite - Mudstone-Shale
- 4 Felsic Metavolcanics**
4J Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- 2 Mafic Metavolcanics**
2B Massive flow
2G Pillow flows - pillow breccia
2L Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- OB - Overburden**
- SH - Shear - Chl-Ser-Sil-Cb-Sh > any combination**
- FLTbx - Fault Breccia**
- QTSW - Quartz Stockwork**
- QTCSW - Quartz-(Carbonate) Stockwork**

Assay Results: g/t Au

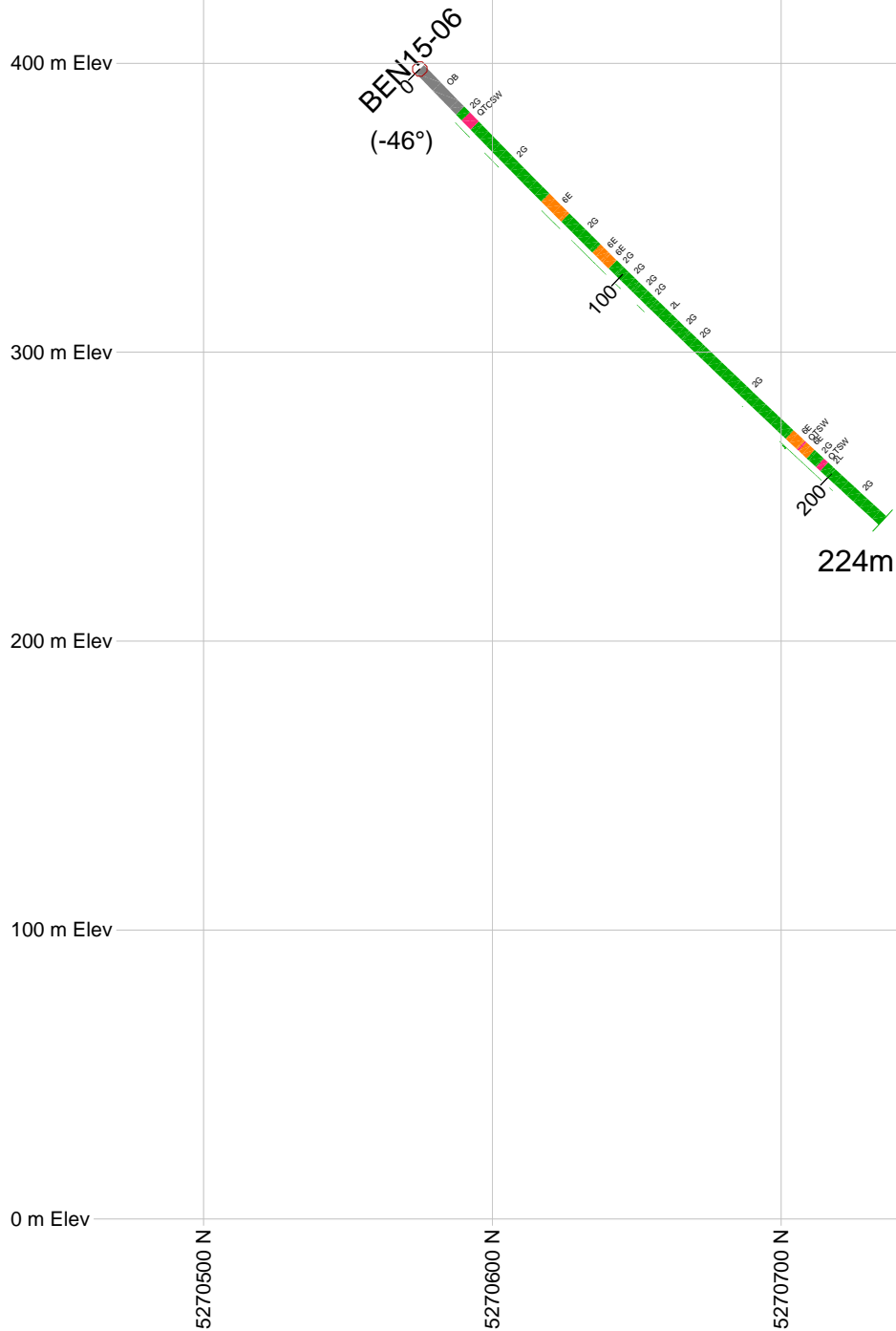
0.00	0.25	
0.25	0.50	
0.50	0.75	
0.75	1.00	
1.00	5.00	

IAMGOLD
CORPORATION

TME/Arithmathaea East Property
Section 114+00E
Drill Hole BEN15-05
Looking West

NAD83 ZONE 17 Date: 01/26/16 Scale 1:2500

Claim
4249463



LEGEND - LITHOLOGY

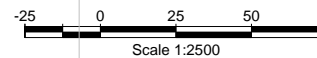
- 14 Proterozoic to Archean Mafic Intrusive - Matachewan (NW), Biscotasing (ENE), & Sudburg (WNW)**
14B Fine-grained Diabase dykes
- 11 Timiskaming Sediments - 2683-2695 Ma**
11C1 Conglomerate (Chester intrusive clast supported)
11C5 Conglomerate (sedimentary matrix supported)
- 8 Synvolcanic Felsic to Intermediate Intrusives (Chester Intrusives) - 2740 Ma**
8D Granodiorite-Monzodiorite
- 6 Clastic Metasediments**
6B Arenaceous - Arenite (Sandstone)
6D Greywacke
6E Argillite - Mudstone-Shale
- 4 Felsic Metavolcanics**
4J Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- 2 Mafic Metavolcanics**
2B Massive flow
2G Pillow flows - pillow breccia
2L Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- OB** - Overburden
- SH** - Shear - Chl-Ser-Sil-Cb-Sh > any combination
- FLTbx** - Fault Breccia
- QTSV** - Quartz Stockwork
- QTCSV** - Quartz-(Carbonate) Stockwork

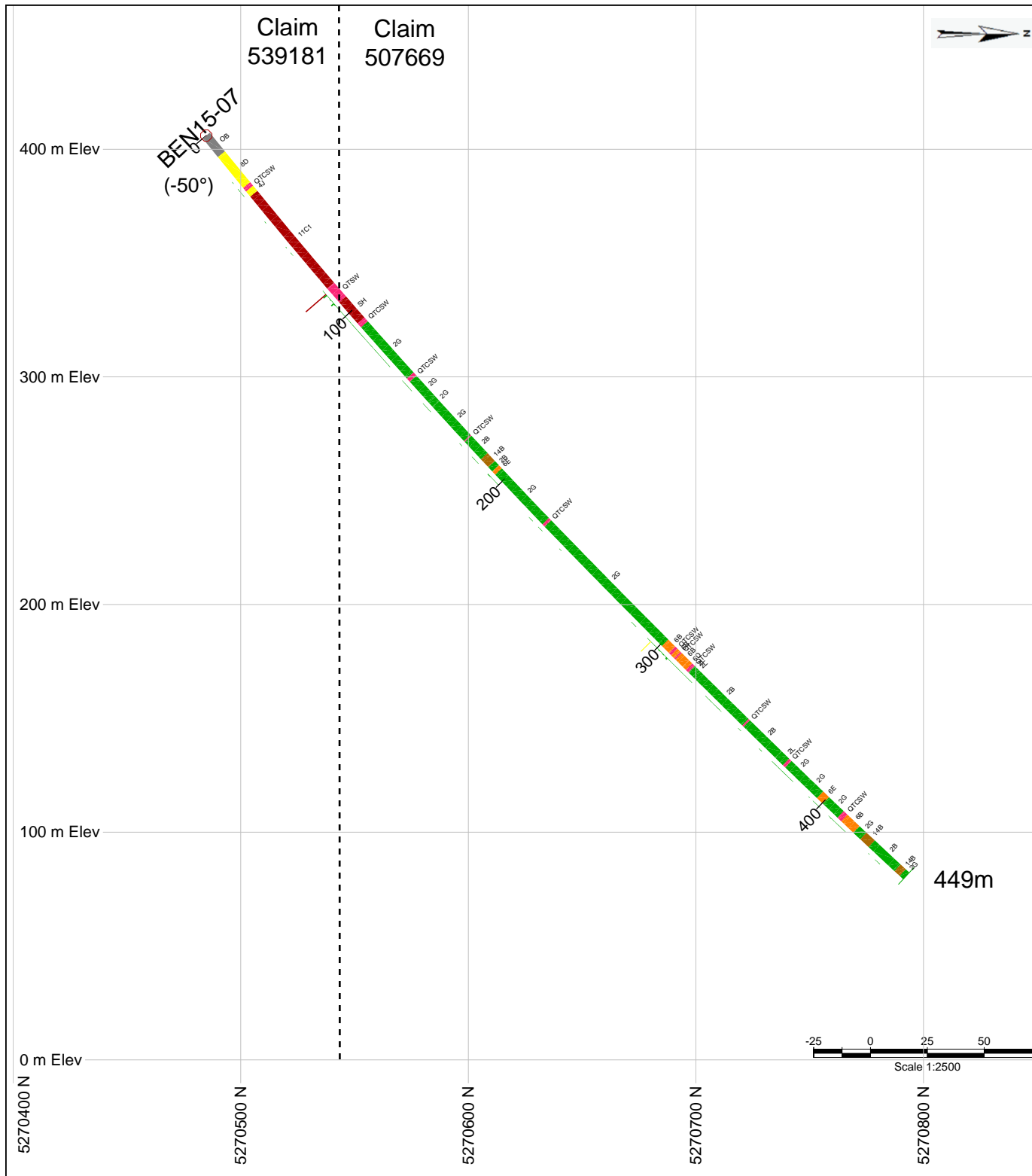
Assay Results: g/t Au

0.00	0.25	
0.25	0.50	
0.50	0.75	
0.75	1.00	
1.00	5.00	



TME/Arithmathaea East Property
Section 110+00E
Drill Hole BEN15-06
Looking West
NAD83 ZONE 17 Date: 01/26/16 Scale 1:2500





LEGEND - LITHOLOGY

- 14 Proterozoic to Archean Mafic Intrusive - Matachewan (NW), Biscotasing (ENE), & Sudburg (WNW)**
14B Fine-grained Diabase dykes
- 11 Timiskaming Sediments - 2683-2695 Ma**
11C1 Conglomerate (Chester intrusive clast supported)
11C5 Conglomerate (sedimentary matrix supported)
- 8 Synvolcanic Felsic to Intermediate Intrusives (Chester Intrusives) - 2740 Ma**
8D Granodiorite-Monzodiorite
- 6 Clastic Metasediments**
6B Arenaceous - Arenite (Sandstone)
6D Greywacke
6E Argillite - Mudstone-Shale
- 4 Felsic Metavolcanics**
4J Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- 2 Mafic Metavolcanics**
2B Massive flow
2G Pillow flows - pillow breccia
2L Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- OB - Overburden**
- SH - Shear - Chl-Ser-Sil-Cb-Sh > any combination**
- FLTbx - Fault Breccia**
- QTSW - Quartz Stockwork**
- QTCSW - Quartz-(Carbonate) Stockwork**

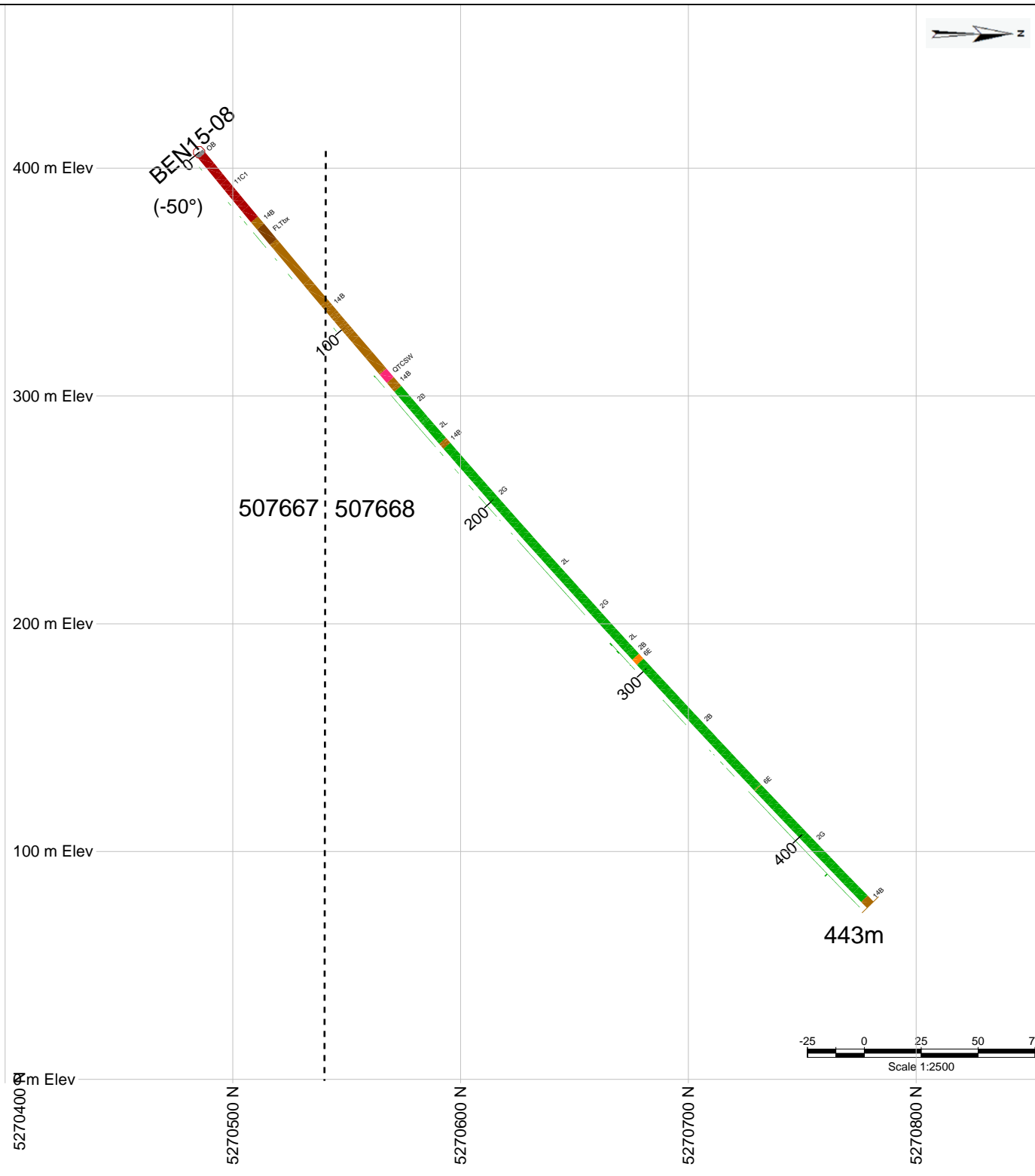
Assay Results: g/t Au

0.00	0.25	
0.25	0.50	
0.50	0.75	
0.75	1.00	
1.00	5.00	



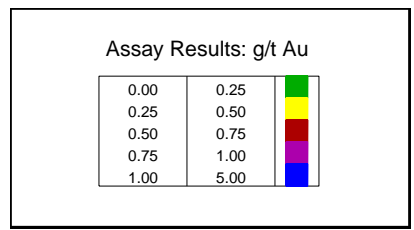
TME/Arithmathaea East Property
Section 102+00E
Drill Hole BEN15-07
Looking West

NAD83 ZONE 17 Date: 01/26/16 Scale 1:2500



LEGEND - LITHOLOGY

- 14 Proterozoic to Archean Mafic Intrusive - Matachewan (NW), Biscotasing (ENE), & Sudburg (WNW)**
14B Fine-grained Diabase dykes
- 11 Timiskaming Sediments - 2683-2695 Ma**
11C1 Conglomerate (Chester intrusive clast supported)
11C5 Conglomerate (sedimentary matrix supported)
- 8 Synvolcanic Felsic to Intermediate Intrusives (Chester Intrusives) - 2740 Ma**
8D Granodiorite-Monzodiorite
- 6 Clastic Metasediments**
6B Arenaceous - Arenite (Sandstone)
6D Greywacke
6E Argillite - Mudstone-Shale
- 4 Felsic Metavolcanics**
4J Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- 2 Mafic Metavolcanics**
2B Massive flow
2G Pillow flows - pillow breccia
2L Volcaniclastic - epiclastic (includes banded tuffs, heterolithic breccia, lahar, et al)
- OB - Overburden**
- SH - Shear - Chl-Ser-Sil-Cb-Sh > any combination**
- FLTbx - Fault Breccia**
- QTSV - Quartz Stockwork**
- QTCSV - Quartz-(Carbonate) Stockwork**



TME/Arithmathaea East Property
Section 106+00E
Drill Hole BEN15-08
Looking West
 NAD83 ZONE 17 Date: 01/26/16 Scale 1:2500