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REPORT ON 2016 DRILLING

BY MELKIOR RESOURCES

ON THE BIG MARSH PROPERTY

CARSCALLEN TOWNSHIP

NTS MAP SHEET 42A05

NORTHEASTERN ONTARIO DISTRICT

Wayne Holmstead, BSc P.Geo
September, 2016

SUMMARY

Melkior Resources Inc. owns 100% of the Big Marsh property in Carscallen Township ~25 km southwest of the city of Timmins. The property contains seven claims (91 claim units; 14.3 km2), and has potential for both base metals (VMS style mineralization) and gold. Exploration in 2016 included a two-line Induced Polarization (IP) survey, and one 411 metre diamond drill hole. This report documents the diamond drilling, which was completed in May/June of 2016.

The drill hole (BM-16-03) was planned to intersect coincident IP chargeability anomalies, VTEM conductive zones as well as a soil gas anomaly in gold from surveys done before the drill program began. The drill hole intersected 70.2 meters of overburden as well as a volcanic/sedimentary stratigraphy including intrusive porphyry and graphitic, argillitic sediments. The IP chargeability and conductive VTEM anomalies were explained by the graphitic sediments and pyrite mineralization. The soil gas anomaly remains unexplained.

Melkior's drilling program and subsequent reporting on the Big Marsh property cost $54,460.98.

1.0 INTRODUCTION

Melkior Resources Inc. (Melkior) owns a 100% interest in the Big Marsh property in Carscallen Township in the Timmins West area of northeastern Ontario (Fig. 1). The property is located ~25 km southwest of the city of Timmins, and 2 km north of Melkior's Carscallen gold property. The property has potential for both base metals (VMS style mineralization) and gold. Exploration in 2009 included two ground magnetic surveys, a one-line Induced Polarization (IP) survey, and two diamond drill holes. The geophysical results have previously been submitted for assessment credit. This report documents the diamond drilling.

The 1983 North American Datum (NAD83) co-ordinate system is used in this report. The Big Marsh property is in Universal Transverse Mercator (UTM) Zone 17N. The assessment reports cited in the report are available on the website of the Ontario Ministry of Northern Development and Mines (www.geologyontario.mndm.gov.on.ca). The AFRI (Assessment File Research Imaging) number is provided wherever possible in the references for each assessment report. All monetary figures quoted in this report are in Canadian dollars.

2.0 PROPERTY DESCRIPTION AND LOCATION

The Big Marsh property consists of seven claims totaling 91 claim units in Carscallen Township within the Porcupine Mining Division (Fig. 2; Table 1; Map 1). The property is approximately 14.3 km^2 in area and is centered at approximately 452000E/5364000N (UTM Co-ordinates) or 81º39'W/48º26'N (latitude/longitude) in National Topographic System (NTS) 1:50,000 map sheet 42A/05. Melkior owns the mineral rights on the property, which gives them the right to explore for ore on the claims, subject to a 400' surface rights reservation around all lakes and rivers, and a 300' surface reservation around major roads (this may be waived by the Crown). Claims require work expenditures of at least $400 per 16 hectare claim unit in the first two years, and $400 per year thereafter (by the anniversary of their recording date); all claims are in good standing at the time of writing, although several have work reports pending. There are no known mineral reserves on the property, and no environmental liabilities accruing to Melkior.

Figure 1: Location of the Big Marsh Property

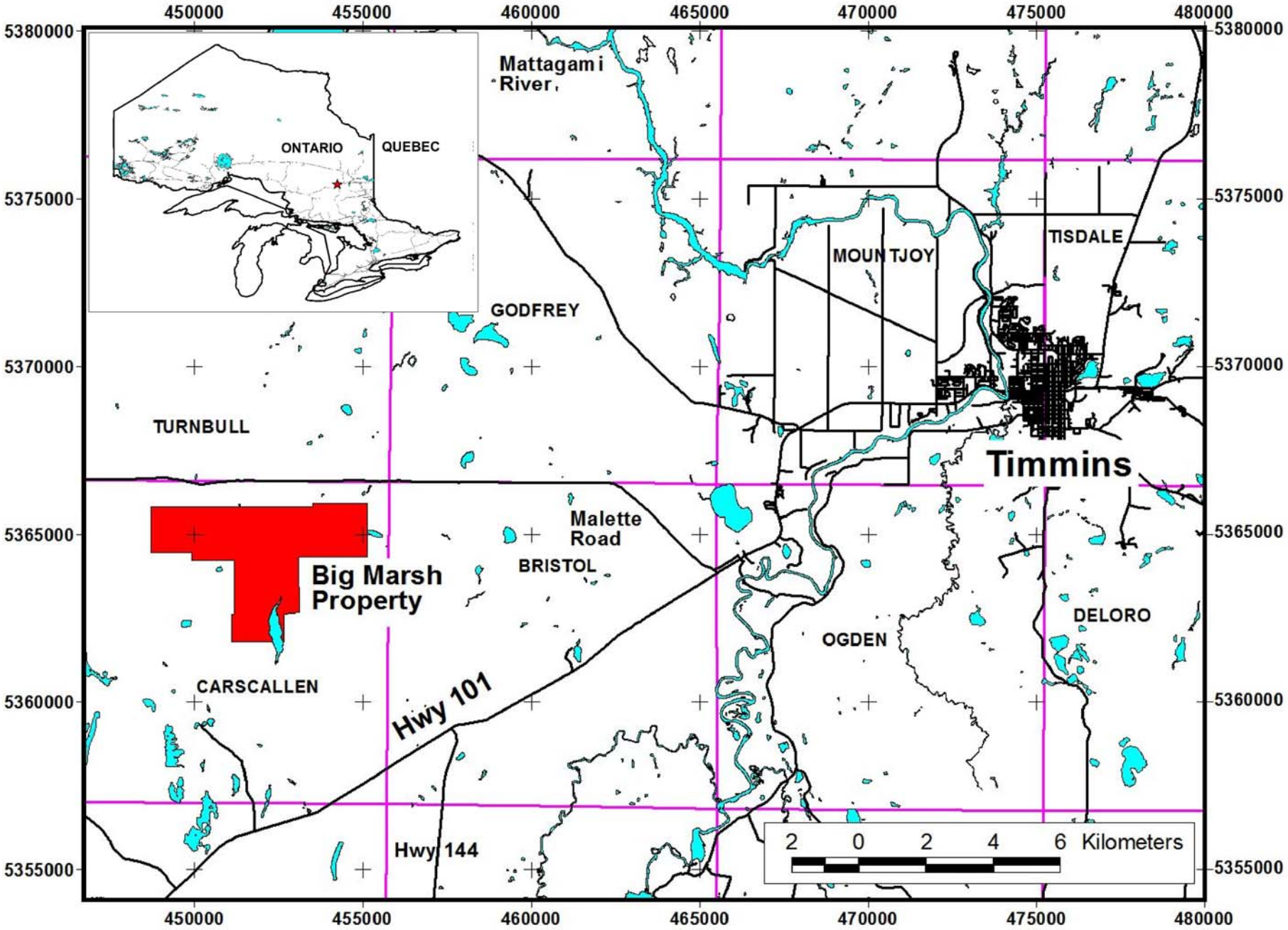


Figure 2: Claims Comprising the Big Marsh Property

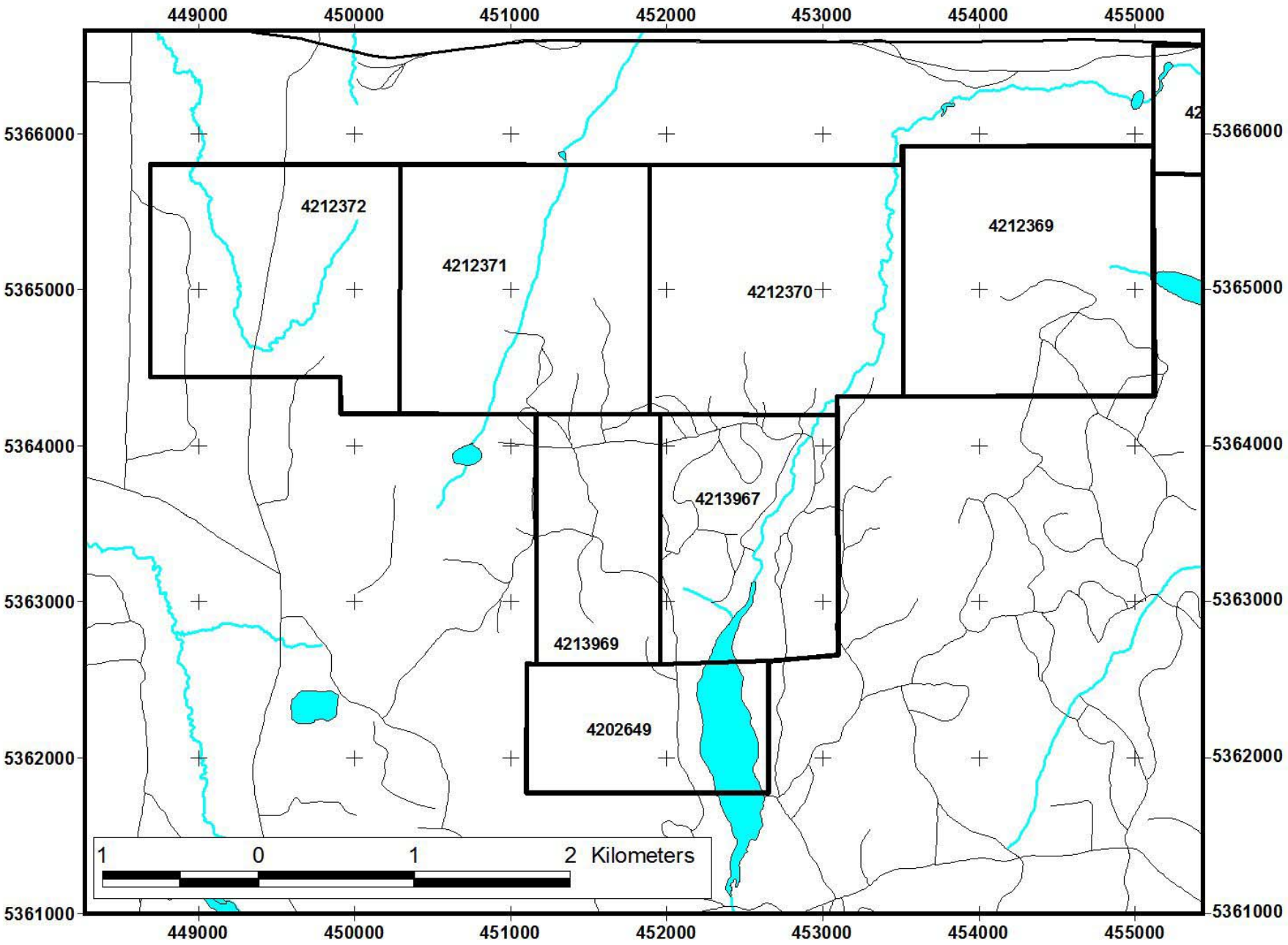


Table 1: Claims Comprising the Big Marsh Property

Township	Claim	Recording Date	Expiry Date	Units	Expenditure Required
CARSCALLEN	4202649	2007-Feb-14	2017-Feb-14	8	$6,400
CARSCALLEN	4212369	2007-Feb-28	2017-Feb-28	16	$12,800
CARSCALLEN	4212370	2007-Feb-28	2017-Feb-28	16	$12,800
CARSCALLEN	4212371	2007-Feb-28	2017-Feb-28	16	$6,400
CARSCALLEN	4212372	2007-Feb-28	2017-Feb-28	15	$12,000
CARSCALLEN	4213967	2007-Jan-25	2017-Jan-25	12	$9,600
CARSCALLEN	4213969	2007-Jan-25	2017-Jan-25	8	$3,200
Total				**91**	$63,200

3.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access to the Big Marsh property is reasonable, and is via a series of roads and trails which connect to Highway 101, which is approximately 5 km south of the property. The main road/trail access is via a north-trending road which runs through Melkior's Carscallen gold property, about 2 km south of the Big Marsh property. The trail gives access to a lake within the Big Marsh property; from there, several short ATV trails give access to the property. The last 3 km of trail before the lake are not maintained but are in relatively good condition; however the use of a 4 x 4 pick-up truck or an ATV is highly recommended. The Big Marsh property can also be accessed via the Malette road. The Malette road branch is approximately 1 km west of TEMBEC on the north side of Highway 101 (Fig. 1). The Big Marsh grid can be accessed via snowmobile trail at km 14 on the Malette road.

The property is 25 km southwest of Timminns, a small mining-friendly city with a long mining history and home to personnel with the skills to work in the mining industry. Water and power are abundant in the region and the property contains trails/roads which could be upgraded to all-weather status if necessary. Suitable locations for constructing mineral processing facilities are abundant on the property.

The climate of the Big Marsh area is continental in nature, with cold winters (-5 to -40EC) and warm summers (+5 to +35EC). The climate of the area does not affect the exploration in any significant fashion; both summer and winter conditions allow grid cutting, geophysical surveys and diamond drilling. Winter conditions are more favourable for drilling in some swampy areas. The climate would not significantly hamper mining operations.

The property is dominated by a swampy forest (mostly cedar and spruce), especially along the shore of the lake. The topography is relatively flat with thin overburden (~10 m). Elevation is approximately 345 m Above Sea Level. Outcrop density is low.

4.0 GEOLOGICAL SETTING

4.1 Regional Geology and Mineralization

Timmins is one of nine major volcanic centers of the Abitibi greenstone belt defined by Goodwin and Ridler (1970). The structural complexity and poor exposure of the Timmins district have made comprehensive stratigraphic syntheses difficult. Instead, the district has been divided into a number of "tectonic assemblages" (Jackson and Fyon, 1992), which are constantly being revised. These divisions are made on the basis of similarities in stratigraphy, lithochemistry, age dates and aeromagnetic and airborne EM signatures. Relationships between different tectonic assemblages are typically not well known. Fyon et al. (1992) identified the Kidd-Munro, Kamiskotia (now thought to be part of the Tisdale assemblage; Hall and Smith, 2002) and to a lesser extent the Bowman as being the assemblages most prospective for VMS exploration in the Timmins District. This is based on the occurrence of high silica, FIII type rhyolite combined with basalt ± komatiite (i.e. bimodal assemblages). These assemblages also host the known VMS deposits and major showings in the district. Four deposits have been mined from the Kamiskotia assemblage: i) Kam-Kotia, which produced approximately 6.0 Mt @ 1.09% Cu, 1.03% Zn and 3.5 g/t Ag; ii) Canadian Jamieson (826,400 t @ 2.3% Cu and 3.5% Zn); iii) Jameland (461,800 t @ 0.99% Cu, 0.88% Zn and 3.5 g/t Ag); and iv) Genex, which produced 242 tonnes of concentrate containing 21 to 27% Cu (Binney and Barrie, 1991; Fig. 3). The giant Kidd Creek deposit (181 Mt @ 2.9% Cu, 6.4% Zn, 92 g/t Ag; Galley et al., 2007; Fig. 3) occurs in the Kidd-Munro assemblage.

4.2 Property Geology

A map of Carscallen Township produced by Hall and Smith (2002) indicates that exposure is scarce on the Big Marsh property. On a more regional scale map produced by Ayer and Trowell (1998), the property is shown as being primarily underlain by the same sequence of predominantly felsic volcanic rocks that host the VMS deposits of the Kamiskotia area (Fig. 3).

5.0 PREVIOUS WORK

Previous work on the Big Marsh property is incompletely documented. Placer Dome carried out a ground magnetic/VLF/HLEM survey in 1988 on a block of land west of Big Marsh Lake (Racic, 1988). They subsequently drilled two holes on present claim 4202649 in 1989 (Hunt, 1989; Fig. 4). The holes intersected a sequence of mafic to felsic volcanics with interbedded chert, but no assays were reported. BHP Minerals had a block of ground that included the eastern part of the present claim 4202649 in the mid-1990's.

Figure 3: Regional Geology (from Ayer and Trowell, 1998)

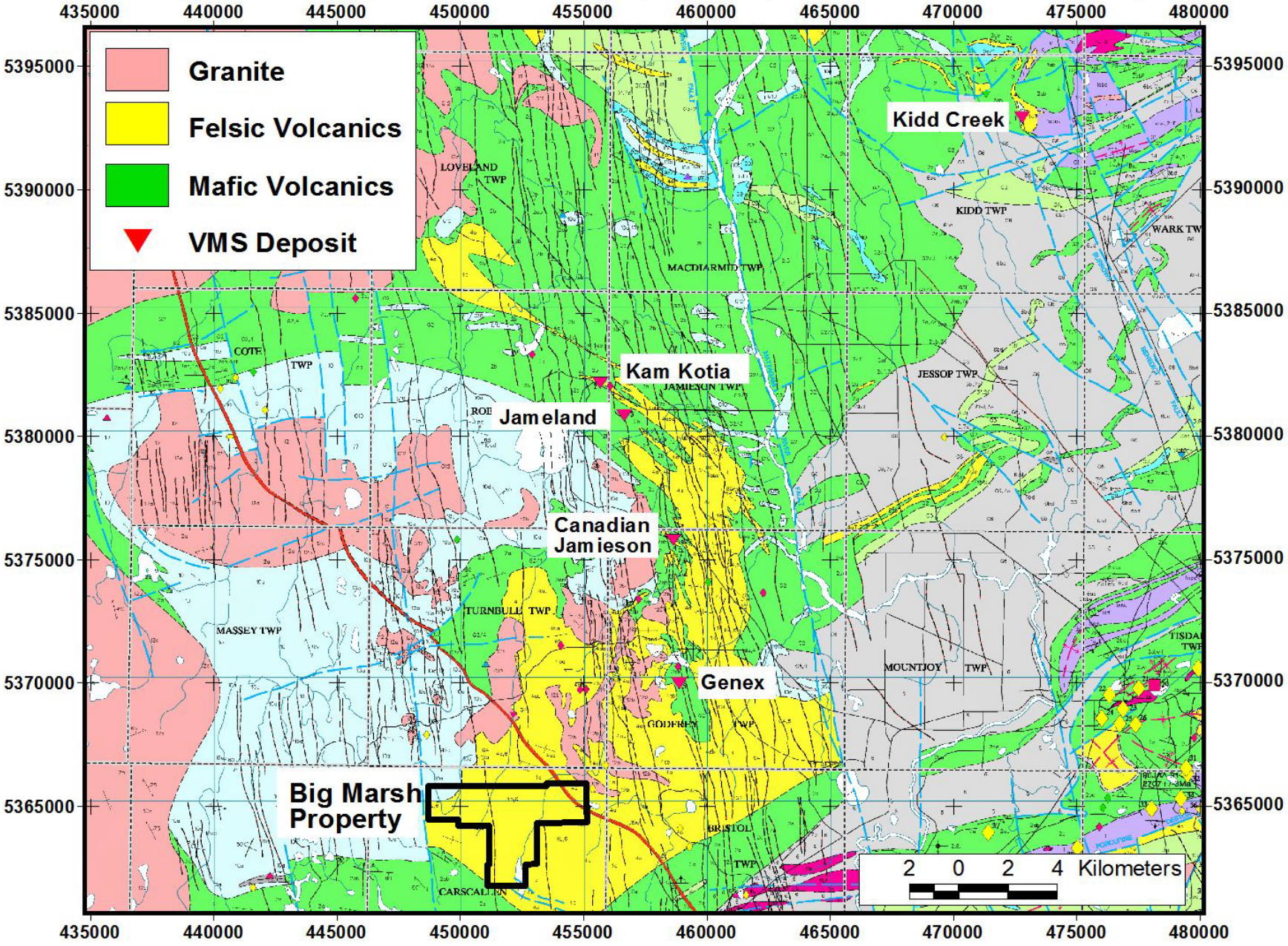
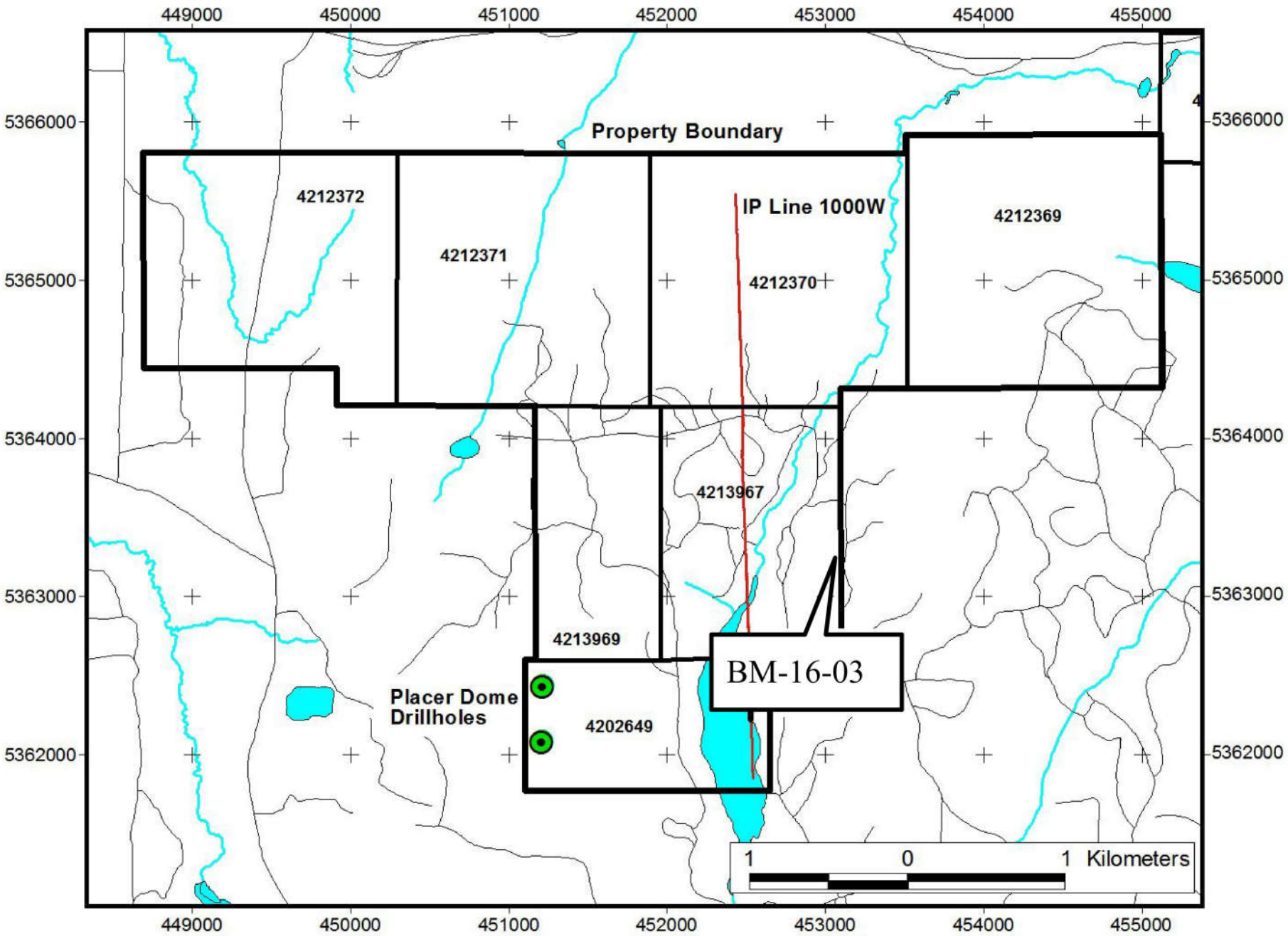


Figure 4: Location of Drill Hole BM-16-03



6.0 2016 EXPLORATION BY MELKIOR

Previously identified IP chargeability anomalies, VTEM conductive zones and a soil gas anomaly in gold were investigated by one hole BM-16-03 for a total of 411 metres. The hole was drilled at location 453097E, 5363252N (UTM NAD83 Zone 17) with an azimuth of 235 degrees and an inclination of -45 degrees. The entire hole was contained in Claim 4213967.

After 70.2 meters of overburden, the drill hole intersected a volcanic/sedimentary stratigraphy including porphyry and graphitic, argillitic sediments. The chargeability and conductive anomalies could be explained by the graphitic sediments and pyrite mineralization. The soil gas anomaly remains unexplained.

The best gold value was 433 ppb over 0.6 metres in graphitic argillite with 3-4% pyrite mineralization at a depth of 285.74 metres. The best zinc value was 3760 ppm over 0.57 metres at a depth of 327 metres associated with 10% sulphide mineralization in graphitic argillite. The best copper value was 1270 ppm over 0.62 metres at a depth of 334.25 metres in graphitic argillite with 7-10% pyrite mineralization.

8.0 REFERENCES

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APPENDIX A: Certificate of Qualifications

I, Wayne Holmstead, BSc, P.Geo. do hereby certify that:

1. At the time of the work, I was the Exploration Manager of Melkior Resources Inc.

2. I graduated with a B.Sc. degree in Geology from the University of Toronto in 1976.

3. I am a member of the Association of Professional Geoscientists of Ontario (membership #2509).

4. I have worked as a geologist since my graduation from university

5. I am familiar with the work program on the Big Marsh Property and wrote part of this assessment report.

Dated this 14th day of September, 2016

_____

Wayne Holmstead

APPENDIX B: Drill Logs

Melkior Resources Inc.

DDH: **BM-16-03**

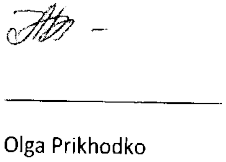
Contractor: Norex
Author: Olga Prikhodko

Claims title:
Township: Timmins
Range:
Lot:
Start date: 29/05/2016
End date: 04/06/2016

Section:
Level:
Work place:
Description date: 04/06/2016

Collar

Azimuth: 235.00°
Dip: -45.00°
Length: 411.00



Olga Prikhodko

UTM NAD83 z17

East	453097
North	5363252
Elevation	0

Core stored at Melkior Core Facility 48.3604N, 81.6519W

Number of samples: 106
Number of QAQC samples: 15
Total sampled length: 106.56

Description:

Core size: NQ Cemented: No Stored: Yes

Project: Big Marsh 25/07/2016

Melkior Resources Inc.

Description		
0.00	72.00	**Over Burden**
		71.4 m
72.00	72.26	**Syenite; Medium grained**
		Probly bolder. Light greenish-gray, non magnetic, medium grained syenite (?) composed feldspar, weakly sericite and chlorite altered, weakly veined by crosscutted gray crb veinlets mm thick. 0.5% fine grained Py blebs/dissemination in veinlets amd matrix
72.00	72.26	Fine grained, Py dissmination/blebs in matrix and veining
72.26	74.45	**Breccia 25°; Polymictic**
		Dark greenish-gray to black, dark colored, chloritic matrix with numerous small, subrounded, elongated, angular, unshaped light gray, light greenish (epidote altered), whitish, and minor black fragments, sized from mm up to 4cm as elongated. Breccia looks like pervasively carbonatized, but not reacted with acid. 1% fine grained Py dissemination/blebs in matrix or filling in tension cracks.
72.26	74.45	Polymictic breccia. No upper contact, lower at 26TCA is litho contact.
		25°
72.26	74.45	Fine grained Py dissemination/blebs inmatrix or tension cracks
72.26	73.39	w1243562
		Py 1%, breccia
73.39	74.45	w1243563
		Py 1%, breccia
74.45	89.07	**Conglomerat 32°; Altered**
		Green olive color, non magnetic, conglomerate, full of unsorted, different sized (mm-0.5 cm) quartz and feldspar grains in matrix composed by sil-feldspar/scapolite (? hardness around 5)- ser. Overall unit in several places occured subrounded ragments, differenly sized 5 cm - 85 cm. Closer to the upper contact placed big light greenish-brownish fragments, fine grained, clay like, fine grained Py 1% mineralized (mainly infilled small cavities after washed carbonate). In middle part two fragments, on of them 85 cm, fine grained, with preserved olive greenish bedding included traces of Py grains. Matrix is not reacted with acid. Overal unit traces to 0.2% of Py blebs locally hosted in olive greenish matrix. Traces of planar, elongated crb tension threads. The lower contact 32TCA
74.45	75.00	Broken to crushed core
74.45	75.30	Fine grained, mainly filling tension threads near the upper contact, traces in groundmass
74.45	75.18	w1243564
		Py 0.3%, conglomerate?
75.18	76.00	w1243565
		Py 1%, in clay like fragments, conglomerate?
75.30	76.00	Fine grained, filling cavities in clay like frafments which composed 80% of the interval
82.00	82.82	Strong greenish bedding in dark gray fragment

		Description
		5°
88.08	89.07	Mediumgrained cubs scattered in matrix
88.08	89.07	w1243566
		Py 0.2%, conglomerate?
88.08	89.07	w1243567
		(Dbl)
		w1243566
89.07	91.77	**Feldspar porphyry; Altered**
		Greenish-gray chloritic-silicious matrix weakly to strongly overprinted by sericite (olive greenish) as locally pervasive and patches; non magnetic, apahnitic to medium grained, mainly with feldspar phenocrysts, whith quartz in groundmass. As traces carbonatized. As traces veined mainly by chl, crb-chl tension threads and 1 cm thick crb-chl elongated, broken, vein at the lower contact. Medium grained PY cubs in matrix 0.1-0.3%
89.07	91.77	Mediumgrained cubs scattered in matrix
89.07	90.40	w1243568
		Py 0.5%, porphyry
90.40	91.77	w1243569
		Py 0.5%, porphyry, weakly veined
91.40	91.77	In broken pieces chl threads and at the end crb-chl veinlets 1 cm thick, barren. Traces Py in matrix
91.77	96.53	**Basalt; Altered; Fine grains; Fine to medium grained**
		Mafic volcanic or intrusive? Greenish-gray to gray, non magnetic, fine to medium grained, Na-feldspar altered basalt (?). Up to 93 m very fine grained, with a number of displaced chloritic tension threads and crb-chl planar veinlets up to 1 cm thick at the end of the interval. Rest interval with 3% of crb-chl, minor qtz-crb veinlets up to 1 cm thick running as planar, crosscutted, locally displaced. Crb stringers locally with reddish hematite. Traces of Py grains in matrix. Closer to the lower contact 95-95.7 m weakly rusted broken core.The lower contact conditional
91.77	93.00	Sericite-carbonate altered basalt? Very fine grained, with a number of displaced chloritic tension threads and crb-chl planar veinlets, 28-32TCA, up to 1 cm thick at the end of the interval
		Basalt; Fine grains; Altered
91.77	93.00	A number of displaced chloritic tension threads and crb-chl planar veinlets up to 1 cm thick at the end of the interval
94.30	129.00	Fault? Partly broken to crushed core
96.53	102.69	**Basalt; Fine to medium grained; Flow breccia**
		Gray, non magnetic, basalt (?) with unformed, fine grained mafic fragments among medium grained, whitish gray, silicious/ or feldspar(?) flow. Pervasively weakly carbonatized. Locally fragments with traces of fine grained Py dissemination. Rusted/ankerite? core in the

		Description
		beginning. No visible contact, conditional. Traces of qtz-crb threads/ stringers, locally with feldspar narrow halos
102.69	107.70	**Basalt 20°; Fine to medium grained** Altered mafic volcanic or intrusive? Gray, non magnetic, fine to medium grained, weakly to moderately silicified, weakly chlorite and carbonate altered, weakly veined by crosscutted, minor elongated qtz-crb-chl veinlets up to 2 cm thick, more intense veining near the lower contact. The lower contact is vein contact
106.35	107.70	10% of the interval barren, elongated, crb-chl, minor qtz-crb veinlets up to 2 cm thick
106.35	107.70	w1243570 Weakly veined, altered basalt?
107.70	111.35	**Granite; Altered; Aphanitic** Gray, non magnetic, almost aphanitic, altered granite (?) due to locally preserved medium grained light greenish-gray granitic tecture; unit pervasively strongly silicified, weakly chloritized, carbonatized, and as traces sericitized; with 1-2% chl and crb-chl threads/stringers, running as planar and crosscutted. 0.1-0.2% Py blebs mainly associated with crb-chl and chl threads/stringers. The lower contact undefined due to broken core
107.70	110.00	Blebs in threads/stringers
111.35	117.00	**Gabbro; Medium grained** Gabbro? Greenish-gray, non magnetic, medium grained, locally gradationally running into fine grained, consists of 25% feldspar grains in weakly chloritized, sericitized, and carbonatized matrix. 3% of the unit planar, minor elongated, crb and minor qtz-crb veinlets, locally with lightly pinkish feldspar, with chl on their margins, some of them with reddish hematite in traces. at the lower contact starts crushed core
117.00	120.00	**Basalt; Fine grains; Altered** Broken to crushed, moderately rusted/ankerite(?), non magnetic, fine grained, locally visible greenish-gray basalt precursor (probably), another fragments with folded bedding like (clasts?)
117.00	118.20	w1243571 Rusted, broken to crushed, basalt with bedded clasts?
117.00	118.20	w1243572 (Bln) Blank
120.00	151.14	**Quartz porphyry; Altered; Aphanitic; Fine grains** Altered granite? Gray with greenish-gray patches, aphanitic to fine grained, non magnetic, pervasively chloritized, silicified with wide greenish-gray feldspar-sericite patches and also narrow to wide veinlets/tension threads halos. Locally weakly carbonatized <3%. Small qtz phenocrysts are better visible in greenish-gray intervals. 3-5% planar white qtz-crb veinlets up to 2 cm thick, barren, locally with ankerite. Locally moderate, mainly subparallel, crb-feldspar/sericite? tension threads occur. Traces of medium grained Py cubs locally in matrix, minor in veining

Melkior Resources Inc.

			Description
121.25	122.00		10% of the interval barren, white, planar qtz-crb veinlets up to 1 cm thick
122.38	122.50		Barren, planar, qtz-crb veinlets up to 1 cm thick in opposite directions 40-60TCA
123.40	123.70		Two barren, white, planar qtz-crb veinlets up to 1.5 cm thick
128.10	128.30		A barren, planar, qtz-crb veinlet 1.5 cm thick 86TCA
129.00	130.00		Planar, qtz-crb-chl veinlets 1 cm thic,k 58-75TCA, wwith Py traces
130.00	132.00		Medium grained cubs in groundmas, traces of Py blebs in veining
130.40	130.75		Planar, qtz-crb-chl veinlets 2 cm thick, with chl halos, cross cutted at 40-82TCA, traces Py blebs in veinlets
132.00	133.20		Barren, planar, qtz-crb-tourm veinlets 2 cm thick, cross cutted at 26-86TCA
133.20	134.50		Subparallel crb-feldspar-sericite tension threads at 25TCA
135.00	137.50		0.1% Py blebs in matrix and veinlets
135.00	137.50		Pnar, qtz-crb-chl veinlets 3 cm thick, 60-73TCA. 0.1% Py blebs in matrix and veinlets
136.00	137.32	w1243573	
			Py 0.1%, weak veining. Altered granite?
138.45	140.45		30% subparallel crb-feldspar-sericite tension threads at 25TCA and 3%. Planar qtz-crb veinlets up to 1 cm thick, 60-75TCA, with Py blebs in traces. Locally brecciated by tension threads
138.45	139.75	w1243574	
			Py traces, weak veining. Feldspar-ser-epidote (?) altered qtz porphyrytic
140.80	142.00		0.1% Py blebs in matrix and minor in veinlets
140.80	142.00		Planar qtz-crb-chl veinlets up to 1 cm thick, at opposite directions 54-73TCA. 0.1% Py blebs in matrix and minor in veinlets
142.00	147.00		Partly broken core
144.00	145.00		0.1% Py blebs in matrix and minor in veinlets
144.00	145.00		Planar qtz-crb-chl veinlets up to 2 cm thick, at 52-78TCA. 0.1% Py blebs in matrix and minor in veinlets
144.00	145.00	w1243575	
			Py traces, weak veining, altered granite?
148.00	149.00		0.3% Py medium to coarse grained cubs in matrix
148.00	149.00	w1243576	
			Py 0.3%, rare veining, altered granite?
150.00	151.14		Blebs in rare veinlets
150.00	151.14	w1243577	
			Py 0.2%, altered granite?
150.40	157.00		Partly broken to crushed core

Description		
151.14	156.23	**Quartz porphyry 10°; Fine grains**
		Sediments? Light greenish-gray, nonmagnetic, fine grained, locally lightly cherty, silica-feldspar composed matrix, lightly chloritized and carbonatized, with traces of small unsorted quartz grains, soft and bleached near the contacts; moderately veined by dark greenish, locally white, elongated, sheeted, deformed, displaced, crb-chl-kaolin-talc(?lightly soapy) with traces of rusted ankerite somewhere. At upper contact crushed core, the lower is sharp 10TCA
151.14	156.23	Dark greenish, locally white, elongated, sheeted, deformed, displaced, crb-chl-kaolin-talc(?lightly soapy) with traces of rusted ankerite somewhere
151.14	152.25	w1243578
		Weakly veined, traces of quartz grains, altered porphyry/sediments? Kaolin and probably talc in veining. Locally soft, crushed
156.23	227.85	**Quartz porphyry 32°; Medium grained**
		Altered granite? Greenish-gray, non magnetic, felsic silicious greenish (chloritized-sericitized) matrix is full of quartz grains sized as 1-2 mm, with 3-5% of dark green chlorite, weakly carbonatized <3%; locally more yellowish-greenish (olive green) colored probably as per increasing sericite intensity. Weakly foliated 32TCA at the upper contact. Unit weakly veined by planar qtz-crb-chl veinlets up to 5 cm thick locally. 0.1-0.3% medium grained, scattered Py cubs in groundmass, and locally traces in veining
162.00	162.40	Broken core
163.00	164.00	Blebs in an elongated 7TCA crb veinlet 3 mm thick and medium grained cubs in matrix
163.00	164.00	w1243579
		Py 0.3%, qtz porphyry, altered granite?
163.00	164.00	w1243580
		(Std)
		SG66
169.50	170.00	Medium grained Py cubs scattered in groundmass
171.50	172.50	Medium grained Py cubs scattered in groundmass
171.50	172.50	w1243581
		Py 0.3%, qtz porphyry, altered granite?
173.00	174.29	Medium grained Py cubs scattered in groundmass
174.29	175.64	Medium grained Py cubs scattered in groundmass
174.29	176.35	Planar, barren, qtz-crb-chl veinlets locally up to 4 cm thick, at 56-66TCA. In the beginning medium grained Py cubs scattered in groundmass
174.29	175.64	w1243582
		Py 0.2%, weakly veined, ser-epidote(?) altered, qtz porphyry
176.98	177.55	Planar, barren, qtz-crb-chl veinlets locally up to 4 cm thick, at 38TCA

Description		
178.30	179.80	Medium grained Py cubs in matrix
178.30	179.80	Planar, deformed, barren, qtz-crb-chl veinlets locally up to 1 cm thick, at 56TCA. Medium grained Py cubs in matrix
180.00	181.00	Medium grained Py cubs in matrix
182.00	182.43	Planar, barren, qtz-crb-chl veinlets locally up to 1 cm thick, at 62TCA
183.00	184.55	In veining fine grained Py along selvages, some of them with traces of Po blebs and reddish hematite or sphalerite
183.00	184.55	Planar, qtz-crb-chl veinlets locally up to 5 cm thick, at 55TCA, locally with fine grained Py along selvages, some of them with traces of Po blebs and reddish hematite or sphalerite
183.00	184.55	w1243583
		Py 0.2%, traces of hem or sphalerite, qtz porphyry
185.63	186.00	5 cm thick planar qtz-crb-chl vein with Py blebs 0.2%
185.63	186.00	5 cm thick planar qtz-crb-chl vein with Py blebs 0.2%
185.63	187.06	w1243584
		Py 0.3%, qtz porphyry, weakly veined
186.80	187.08	Py blebs in veining and medium grained, scattered Py cubs in matrix
186.80	188.00	Planar, cross cutted, qtz-crb-chl veinlets locally up to 1 cm thick, at 25-75TCA, locally with Py blebs in veining and medium grained, scattered Py cubs in matrix
187.08	188.00	Py blebs in veining and medium grained, scattered Py cubs in matrix
188.50	189.35	Medium grained, scattered Py cubs in matrix
188.50	189.35	Planar, barren, qtz-crb-chl veinlets locally up to 1.5 cm thick, at 64TCA. Medium grained, scattered Py cubs in matrix
192.45	192.80	Medium grained, scattered Py cubs in matrix
192.45	192.80	Tpwo lanar, barren, qtz-crb-chl veinlets, up to 2 cm thick, at 64TCA. Medium grained, scattered Py cubs in matrix
195.00	196.00	w1243585
		Py 0.1%, qtz porphyry, weakly veined
195.25	196.00	Planar qtz-crb-chl veinlets up to 2 cm thick, at 30-60TCA, locally with Py blebs
195.25	196.00	Planar qtz-crb-chl veinlets up to 2 cm thick, at 30-60TCA, locally with Py blebs
198.00	198.48	Reddish hematite or sphalerite blebs in veining
198.00	198.48	Planar qtz-crb-chl veinlets up to 0.5 cm thick, at 30-60TCA, locally with reddish hematite or sphalerite blebs
199.00	200.38	Blebs in veining
199.00	200.38	Planar qtz-crb-chl veinlets up to 2 cm thick, at 60-75TCA, with Py blebs
199.00	200.38	w1243586
		Py 0.3%, qtz porphyry, weakly veined

Description		
202.00	203.00	Blebs in rare (1%) crb-chl and chl veinlets at 35TCA
202.00	203.00	w1243587
		Py 0.3%, qtz porphyry, rare veinlets
211.00	213.00	Partly broken core
211.00	212.00	w1243588
		Qtz porphyry, weakly veined
211.32	211.70	Planar, brecciated, barren, qtz-crb-chl veinlets up to 2 cm thick, at 30TCA
214.80	216.00	0.1-0.2% Py blebs in veining
214.80	216.00	Planar crb-chl veinlets up to 0.3 cm thick, at 60TCA and once elongated at 18TCA with Py blebs
214.80	216.00	w1243589
		Py 0.2%, qtz porphyry, weakly veined
219.65	227.85	Medium grained Py cubs scattered n matrix 0.1-0.3%
224.75	225.00	Broken core
226.97	227.85	w1243590
		Py 0.2%, qtz porphyry, shoulder
227.85	230.00	**Argillite 48°; Beding**
		Black, fine grained, with bedding at 25-50TCA, 0.3-2 cm thick. Near the contacts pervasively silicified, carbonatized, and sericitized, locally cherty. Locally feldspar and quartz-crb veinlets or beds up to 2 cm thick. 0.5-4% Py blebs and coarse grained cubs in matrix and crb bedding as replacement
227.85	228.00	Py blebs in matrix in silicified intervals and in bedding as replacement or associated with crb as replacement, up to 1%
227.85	229.00	w1243591
		Py 1%, argillite/mudstone
228.00	230.00	Py blebs in matrix in silicified intervals and in bedding as replacement or associated with crb as replacement, up to 1%
228.70	230.00	25-50TCA bedding, locally broken core
		30°
229.00	230.00	w1243592
		Py 4%, argillite/mudstone
230.00	254.65	**Quartz porphyry 28°; Medium grained**
		Unit as pretty similar to quatz porphyrytic above, greenish-gray, non magnetic, full of quartz grains in sil-ser-chl-crb matrix, with pervasively feldspar (?) altered intervals into aphanitic near the both contacts (see minor litho) with no quartz grains and getting dark colored, argillitic like, mainly subparallel threads, locally with crb. Locally toward to the lower contact occured fine grained, feldspar altered patches with traces of quartz grains and gradational contacts to qtz porphyritic or somewhere associated with crb stringers. Entire unit is weakly veined by crb-chl

			Description
			and qtz-crb veinlets up to 0.5 cm thick running as planar, sometimes sheeted, elongated, deformed. 0.1-0.5% medium to coarse grained Py cubs in matrix or as blebs in stringers
230.00	230.84		Altered quartz porphyritic or altered sediments(?), greenish-gray, aphanitic, non magnetic, pervasively feldspar (?) altered, aphanitic, with no quartz grains and getting dark colored, argillitic like, mainly subparallel threads, locally with crb. 0.5% Py blebs in matrix and threads. The lower contact with quartz porphyry is clear 25TCA, when upper contact with argillite 42TCA
			Quartz porphyry 25°; Altered; Aphanitic
230.00	230.84		Py blebs and coarse grained cubs in matrix
230.00	230.84	w1243593	
			Py 0.5%, shoulder, feldspar altered qtz porphyry?
230.84	231.26		Medium grained Py cubs in matrix
230.84	231.26		Planar, irregular, crb-chl veinlets up to 0.5 cm thick are barren, Py cubs in matrix
231.26	232.50		Medium to coarse grained Py cubs in matrix
232.22	234.50		Partly broken core
232.50	233.74		Medium to coarse grained Py cubs in matrix and blebs in rare crb-chl stringers at 18-38TCA
232.50	233.50	w1243594	
			Py 0.3%, qtz porphyry
232.50	233.50	w1243595	
			(Dbl)
			w1243594
233.74	234.50		Medium grained Py cubs in matrix
234.50	235.50		Medium to coarse grained Py cubs in matrix and as blebs in rare crb-chl stringers at 40-53TCA. Some of stringers with attached fine grained fragments or feldspar altered patches?
234.50	235.50	w1243596	
			Py 0.3%, qtz porphyry
234.50	235.50	w1243597	
			(Bln)
			Blank
235.50	238.00		Medium to coarse grained Py cubs in matrix
237.00	237.25		Broken core
238.00	239.00		Medium to coarse grained Py cubs in matrix and as blebs in traces of crb stringers
238.00	239.00	w1243598	
			Py 0.5%, qtz porphyry

		Description
238.45	239.45	Partly broken core
239.00	252.00	Medium to coarse grained Py cubs in matrix
251.80	252.54	Partly broken core
252.00	254.65	Medium to coarse grained Py cubs in matrix
252.00	253.35	w1243599
		Py 0.3%, qtz porphyry
252.00	253.35	w1243600
		(Std)
		OXD 108
253.35	254.65	Altered quartz porphyritic or altered sediments(?), greenish-gray, aphanitic, non magnetic, pervasively feldspar (?) altered, aphanitic, with no quartz grains and getting dark colored, argillitic like, mainly subparallel threads, locally with crb. 0.3% Py blebs in matrix and threads. The upper contact with quartz porphyry is gradational, when lower contact with argillite at 28TCA
		Quartz porphyry 28°; Altered; Aphanitic
253.35	254.65	w1243601
		Py 0.3%, fldspar altered qtz porphyry?
254.65	256.45	**Argillite 22°; Beding; Banded; Fine grains**
		Black argilite, with clear bedding at 20TCA up to 0.5 cm thick, with banded Py replacement, locally as replacement in single elongated crb-chl stringer 03 cm tick at 7TCA. Weak crb in bedding
254.65	256.45	25TCA bedding, partly broken core
		25°
254.65	255.73	Banded, in an elongated crb veinlet at 7TCA, fine geained, dissemination and blebs
254.65	255.73	w1243602
		Py 4%, bedded argillite/mudstone
255.73	256.45	Banded, fine geained, dissemination and blebs
255.73	257.45	w1243603
		Py 15%, bedded argillite/mudstone
256.45	257.85	**Siltstone 20°; Fine grains**
		Siltstone? Light gray, fine grained, non magnetic, non porphyritic, but silimilar to interval in quartz pophyry above, that described as intensively feldspar altered porphyry. Similar feldspar composed intervals but brecciated argillic flow will be consistently reapeting in graphitic unit below. The lower contact 20TCA. Weakly veined by planar, cross cutted crb-chl threads, locally with Py blebs 0.3-0.5%. Unit wealy carbonatized
256.45	257.85	0.3-0.5% Py blebs in rare crb-chl threads 20-45TCA

Description		
257.45	257.85	w1243604
		Py 0.3%, shoulder, feldspar composed siltstone?/ altered igneous?
257.85	287.45	**Argillite 30°; Beding; Fine grains; Nodular**
		Black, non magnetic, fine grained, bedded in the beginning at 18TCA argillite/mudstone, graphitic, consistently with light gray feldspar composed intervals brecciated by black argillic (?) flow. Weak planar crb stringers occur, but some intervals moderately to strongly veined by planar, and as flow qtz-crb with some Py blebs. Overall unit fine grained Py dissemination and blebs mainly associted with crb bedding or flow or subrounded nodules up to 5 cm sized. Probably marcasite in nodules as well. In feldspar altered brecciated intervals also disseminated in matrix or in dark gray crb-chl -argillite stockwork
257.85	261.41	Bedded, non graphitic, black, weakly feldspar and crb altered argillite. Medium to coarse grained Py grains in matrix and locally fine grained banded as replacement; at the end Py replacemnt in crb patches (probably fragments crb altred, in this case would be conglomerate)
		Argillite; Beding
257.85	261.41	20TCA bedding
		20°
257.85	258.30	At 20TCA banded as replacemnt in bedding, fine grained
257.85	258.30	w1243605
		Py 5%, argillite/mudstone
258.30	260.75	Medium to coarse grained Py grains in matrix, 1-2%
258.30	259.50	w1243606
		Py 1%, argillite/mudstone
259.50	260.75	w1243607
		Py 1%, argillite/mudstone
260.75	261.41	Banded and patches/ nodules, as bedding replacement at 20TCA and small crb patches/ nodules
260.75	261.41	w1243608
		Py 10%, argillite/mudstone
261.41	270.22	Black, graphititc, argillite/mudstone with Py replacement in subrounded crb patches up to 5 cm sized (probably fragments crb altred, in this case would be conglomerate)
		Argillite 30°; Fine grains
261.41	262.00	Fine grained, as crb patches/ nodules replacement
261.41	262.00	w1243609
		Py 5%, graphitic argillite/mudstone
262.00	264.50	Fine grained, as crb patches/ nodules replacement

Description
262.00 262.90 w1243610
Py 4%, graphitic argillite/mudstone
262.90 263.60 w1243611
Py 4%, graphitic argillite/mudstone
263.60 264.50 w1243612
Py 3-4%, graphitic argillite/mudstone
264.50 265.80 Fine grained, as crb patches/ nodules replacement, and in rare crb threads
264.50 265.80 w1243613
Py 1%, weakly graphitic argillite/mudstone
265.80 267.50 0.5-1% in qtz-crb flow like
265.80 267.50 Qtz-crb flow like, 80% of the interval, upper contact 18TCA, lower broken, with Py blebs 0.5-1%
265.80 266.60 w1243614
Py 1%, weakly graphitic argillite/mudstone, strong veining
266.60 270.00 Broken to crushed rock
266.60 267.50 w1243615
Py 0.5%, graphitic argillite/mudstone
267.50 268.50 w1243616
Py 1%, graphitic argillite/mudstone
268.50 269.24 w1243617
Py 3%, graphitic argillite/mudstone
269.24 270.22 w1243618
Py 3%, graphitic argillite/mudstone
270.22 271.34 Siltstone? Llight gray feldspar composed intervals brecciated by black argillic-chloritic-crb (?) flow. Up to 2% fine grained Py in matrix and argil-chl-crb stockwork
Siltstone 30°; Fine grains
270.22 271.34 2% fine grained Py in matrix and argil-chl-crb stockwork
270.22 271.34 w1243619
Py 2%, feldspar composed siltstone?/ altered igneous?
270.22 271.34 w1243620
(Std)
SG66
271.34 273.83 Black, graphititc, 5% qtz-crb veinlet up to 4 cm thick mainly in broken core

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		Description
		Argillite 35°; Fine grains
271.34	273.83	0.5% Py in graphitic matrix
271.80	278.00	Broken to crushed rock
273.83	284.26	Siltstone? Llight gray feldspar composed interval brecciated by black argillic-chloritic-crb (?) flow. Up to 1% fine grained Py in matrix and argil-chl-crb stockwork. Near the upper contact weakly qtz0crb veined as fragments in broken core. Locally short intervals graphititc occur
		Siltstone 26°; Fine grains
273.83	284.26	0.5-1% fine grained Py in matrix and argil-chl-crb stockwork
275.70	276.77	w1243621
		Py 0.3%, 20% of qtz-crb veining in broken core, feldspar composed siltstone?/ altered igneous?
280.30	281.70	Broken to crushed rock
284.26	287.45	Graphitic, black
		Argillite 30°; Fine grains
284.26	285.74	Fine grained, in graphitic matrix
284.36	287.75	Broken to crushed rock
285.74	286.34	Fine grained, as crb patches/ nodules replacement
285.74	286.34	w1243622
		Py 3-4%, graphitic argillite/mudstone
285.74	286.34	w1243623
		(Bln)
		Blank
286.34	287.45	Fine grained, in grafitic matrix
287.45	298.66	**Siltstone; Fine grains**
		Llight gray, feldspar composed siltstone? brecciated by black argillic-chloritic-crb (?) flow. Locally occured light greenish-gray qtz porphyry. And also dark gray colored interval with unsorted small fragmens up to 3 mm, ash like. Up to 1% fine grained Py in feldspar matrix and argil-chl-crb stockwork and up to 10% in graphitic intervals
287.45	288.20	Banded, folded, replacement
287.45	288.22	w1243624
		Py 5-7%, feldspar composed siltstone? altered igneous?
288.20	289.37	0.3-1%% fine grained Py in matrix and argil-chl-crb stockwork
288.22	289.00	w1243625
		Py 0.5%, shoulder, feldspar composed siltstone?/ altered igneous?
288.22	289.00	w1243626

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Description		
		(Dbl)
		w1243625
289.00	289.65	w1243627
		Py 10% in 20 cm bedded argillite, rest is feldspar composed siltstone?/ altered igneous?
289.37	289.56	Graphitic, black argillte, bedded at 35TCA wit Py replacement, fine grained. Upper contact at 55TCA, lower 25TCA
		Argillite 35°; Fine grains; Beding
289.37	289.56	Banded, replacement
289.56	292.23	0.5-1% fine grained Py in matrix and argil-chl-crb stockwork
289.65	290.65	w1243628
		Py 0.3-0.5%, shoulder. feldspar composed siltstone?/ altered igneous?
292.23	293.67	Dark gray to black, broken but with localized visible bedding near the both contacts, middle part is dark gray with unsorted grains looks like ash and weakly carbonatized and silicified. 1-2% Py blebs in matrix and as crb patches and bedding replacement
		Argillite 65°; Beding; Fine grains
292.23	293.67	Broken to crushed rock
292.23	293.67	1-2% Py blebs in matrix or replacement in crb small patches/ nodules, rare qtz-crb stringers or bedding
292.23	293.00	w1243629
		Py 2%, bedded argilite with a wide bed(?) with unsorted small fragments ash like
293.00	293.67	w1243630
		Py 1%, bedded argilite with a wide bed(?) with unsorted small fragments ash like
293.67	295.08	Greenish-gray, non magnetic, full of qtz grains in sil-ser-chl-crb altered matrix. 1% Py blebs in matrix or rare crb threads
		Quartz porphyry 40°; Medium grained; Medium grained
293.67	295.08	Blebs in qtz porphyritic matrix, and rare qtz-crb stringers as replacement (near the upper contact)
293.67	294.67	w1243631
		Py 1%, shoulder. feldspar composed siltstone?/ altered igneous?
295.08	298.66	Up to 1% fine grained Py in matrix and argil-chl-crb stockwork
296.94	299.35	Partly broken to crushed rock
298.66	309.49	**Quartz porphyry 30°; Medium grained**
		Sediments? Greenish-gray, non magnetic, full of qtz grains in sil-ser-chl-crb altered matrix. Up to 299.65 m porphyry with 30% of black argillitic flow like. Up to1% coarse grained Py cubs in matrix or rare crb-chl threads
298.66	304.94	Cubs Py in matrix
302.00	303.00	Broken core
303.75	310.90	Crushed graphitic core

Description			
304.94	308.00		Coarse rained Py cubs in matrix
304.94	306.00	w1243632	
			Py 1%, qtz porphyry
306.00	307.00	w1243633	
			Py 1%, qtz porphyry
307.00	308.00	w1243634	
			Py 1%, qtz porphyry
308.00	309.46		Blebs in matrix
309.46	311.00		1.5 cm Py fragment at the lower contact
309.49	311.00	**Argillite 62°; Fine grains**	
			Black, non magnetic, graphitic, crushed argillite/mudstone with 10% of the interval at 309.49-309.75 m greenish-gray, qtz poarphyritic bedding like. Fragment of qtz veining in crushed core
311.00	319.07	**Siltstone 21°; Fine grains; Quartz porphyry**	
			Gray to greenish-gray, fine grained, non magnetic siltstone?/ or feldspar altered igneous?; weakly carbonatized, locally weakly to moderately sericitized. Serisitized interval 314.24-315.35 m with greenish-gray, stretched qtz porphyry fragments, probably foldded. In the beginning of unit and right above of sericitized zone there are two short intervals of greenish-gray qtz porphyry. Overal unit traces of qtz-crb planar stringers, mainly distributed dark gray crb-chl, crb-chl-argillic, and argillic veinlets up to 0.5 cm as planar, crosscutted, irregular. Medium grained Py cubs in matrix locally or minor as blebs in veinlets. At the lower contact argillic veinlets and alteration running at 25TCA down hole, when the litho contact is at 21TCA up hole
311.00	311.32		Dark gray, non magnetic, qtz grains in sil-crb-chl altered matrix
			Quartz porphyry 30°; Medium grained
311.00	311.32		Blebs in qtz porphyry
311.00	312.35	w1243635	
			Py 1%, 30 cm qtz porphyry and rest is feldspar composed siltstone?/ altered igneous?
311.32	313.60		1% medium to coarse grained Py cubs/blebs in matrix or minor in crb-chl threads
312.35	313.60	w1243636	
			Py 1%, feldspar composed siltstone?/ altered igneous?
313.60	314.24		Dark gray, non magnetic, qtz grains in sil-crb-chl altered matrix. Upper contact 15TCA, lower 20TCA. Weakly veined by crosscutting qtz-crb veinlets up to 0.5 cm thick. 0.3% medium grained Py cubs in matrix
			Quartz porphyry 20°; Medium grained
313.60	314.24		Blebs in qtz porphyry
313.60	314.24	w1243637	

Description
Py 0.3%, qtz porphyry
314.24 315.35 1% medium to coarse grained Py cubs/blebs in matrix or minor in crb-chl threads
314.24 315.35 w1243638
Py 1%, qtz porphyritic lenses in feldspar composed siltstone?/ altered igneous?
315.35 317.30 0.5% medium to coarse grained Py cubs/blebs in matrix
317.30 318.30 1-2% medium to coarse grained Py cubs/blebs in matrix
317.30 318.30 w1243639
Py 1-2%, feldspar composed siltstone?/ altered igneous?
317.30 318.30 w1243640
(Std)
OXD 108
318.30 319.07 0.2% fine grained Py cubs/blebs in matrix
318.30 319.07 w1243641
Py 0.2%, shoulder. feldspar composed siltstone?/ altered igneous? Local argillic veinlet or bed
319.07 335.60 **Argillite 10°; Bedding; Nodular**
Black, very fine grained, non magnetic, locally with clear bedding, graphitic argillite/mudstone, weakly carbonatized as bedding or deformed threads and patches; near the 324 m streched fragment of feldspar composed siltstone, lightly sericitized. And right above of it at 322.17-323.5 m occured greenish-gray, fine grained, feldspar altered siltstone or igneous, brecciated by crb-chl-argillic stockwork. Up to 10% locally, fine grained Py blebs as bedding replacement or subrounded or unshaped nodules up to 5 cm sized. Probably with marcasite in nodules. Locally qtz-crb veinlets up to 3 cm thick running as planar or elongated, barren or with Py traces
319.07 320.00 Bedding up to 3 mm thick
21°
319.07 320.04 Mainly in bedding like threads, fine grained
319.07 320.04 w1243642
1% Py, graphitic argillite/ mudstone
320.04 321.00 Up to 5 cm nodules replacement
320.04 321.00 w1243643
4% Py, graphitic argillite/ mudstone
320.75 321.70 Partly broken to crushed rock
321.00 321.70 Mainly as rare nodules replacement, traces in veining
321.00 321.70 White, elongated crb-qtz-chl veinlets 0.5 cm thick at 12TCA, with traces Py blebs. Mainly Py replacement in nodules
321.00 322.17 w1243644

Description			
			1% Py, graphitic argillite/ mudstone, weakly veined
321.70	322.17		Blebs at the lower litho contact
322.17	323.50		Siltstone? Llight gray feldspar composed interval brecciated by black argillic-chloritic-crb (?) flow. Up to 1% locally fine grained Py in matrix and argil-chl-crb stockwork. Upper contact at 70TCA, the lower 25TCA
			Siltstone 25°; Fine grains
322.17	323.50		0.5-2% Py blebs in matrix and crb-chl-argillic stockwork
322.17	323.50	w1243645	
			Py 0.5%, feldspar composed siltstone?/ altered igneous?
323.50	324.00		fine grained, as bedding replacement and small nodules replacement
323.50	324.60	w1243646	
			1-2% Py, graphitic argillite/ mudstone, big feldspar omposed fragment
324.00	324.60		Fine grained Py 1-2% along fragment's selvages
324.00	324.60		Cross cutted, planar, at 35TCA and 20TCA qtc-crb-chl veinlets up to 2 cm thick, barren. 20% of the interval is a streatched fragment of feldspar composed siltstone or altered igneous, weakly sericitized. Fine grained Py 1-2% along fragments selvages
324.60	327.00		2-4% fine grained Py as nodules replacement, sized up to 2 cm
325.00	326.00		Bedding up to 3 mm thick
			14°
327.00	327.57		Very fine grained Py or Po (everything in black graphitic dust) as replacement in 25 cm streatched brownish, very fine grained fragment at 7TCA
327.00	327.57	w1243647	
			10% Py or Po? in big brownish fragment, graphitic argillite/ mudstone
327.00	327.57	w1243648	
			(Bln)
			Blank
327.50	328.20		Bedding up to 3 mm thick
			28°
327.57	328.40		As replacement in bedding and small up to 2 cm nodules
327.57	328.40	w1243649	
			5% Py, graphitic argillite/ mudstone
328.40	329.85		5-10% fine grained Py replacemnt in deformed veining and large nodules up to 5 cm
328.40	329.20	w1243650	
			5% Py, graphitic argillite/ mudstone

Description
329.20 329.85 w1243651
5% Py, graphitic argillite/ mudstone
329.85 330.45 Fine grained Py replacement in small nodules up to 2 cm
329.85 330.45 w1243652
1% Py, graphitic argillite/ mudstone
330.45 331.20 Fine grained Py replacement in large nodules up to 3 cm and 1-3 cm thick brecciated crb veinlet at 10TCA
330.45 331.20 Fine grained Py replacement in large nodules up to 3 cm and 1-3 cm thick brecciated crb veinlet at 10TCA
330.45 331.20 w1243653
10% Py, graphitic argillite/ mudstone
331.20 332.20 Fine grained Py replacement in large nodules up to 5 cm
331.20 332.20 w1243654
5-7% Py, graphitic argillite/ mudstone
332.00 332.20 Bedding up to 3 mm thick
22°
332.20 334.25 Fine grained Py replacement mainly associated with crb flow, minor with nodules
332.20 333.28 w1243655
3% Py, graphitic argillite/ mudstone
332.20 333.28 w1243656
(Dbl)
w1243655
332.75 333.00 Broken core
333.28 334.25 w1243657
3% Py, graphitic argillite/ mudstone
334.00 336.00 Broken core
334.25 334.87 Fine grained Py replacement in subrounded and ungular nodules up to 5 cm, looks like breccia
334.25 334.87 w1243658
7-10% Py, graphitic argillite/ mudstone
334.87 335.60 Fine grained Py replacement in large nodules up to 3 cm
334.87 335.60 w1243659
3-5% Py, graphitic argillite/ mudstone
334.87 335.60 w1243660
(Std)

		Description
		SG66
335.60	340.34	**Conglomerat 24°; Medium grained; Schistose**
		Dark greenish-gray, non magnetic, medium grained, lightly schistose, conglomerate? with unsorted, subrounded, streatched, up to 4mm long, grains/ fragments of quaartz, feldspar, mudstone feldspar-chl-crb traces matrix. At 340.1-341.7 m fine grained, silicified and sericitized pervasively inerval with traces of small quartz grains. Locally argillic veinlets up to 1 m thick, or beds? ocured. Weakly veined by planar qtz-crb-chl veinlets mainly mm thick, once 2 m thick. Near the upper contact fine grained Py replacemnt nodules up to 1 cm sized. But mainly 0.3-1% medium to coarse grained Py cubs/blebs/ dissemination in matrix
335.60	336.70	Fine grained Py replacement in nodules up to 1 cm, and also medium grained cubs in matrix
335.60	336.70	w1243661
		0.5% Py, shistose conglomerate?
336.70	337.65	Medium grained cubs in matrix
337.65	338.77	Blebs in veining and matrix
337.65	338.77	4% qtz-crb veinlets up to 0.5 cm thick, cross cutted at 10TCA and 35TCA, once argillic veinlet 1 cm thick at 30TCA. Blebs in veining and matrix
337.65	338.77	w1243662
		0.5% Py, shistose conglomerate? weak veining
338.77	340.34	Medium to coarse grained Py cubs in matrix, 0.3-0.5%
338.77	340.34	w1243665
		0.3% Py, shistose conglomerate
340.34	354.35	**Conglomerat 21°; Altered; Aphanitic**
		Olive green to greenish-gray, non magnetic, conglomerate with rare unsorted fragments, sized mm to 3 cm, in aphanitic sil-ser-chl matrix with rare small qtz grains somewhere, locally brecciated by crb-chl stockwork, numerous crb and crb-shl tension threads, traces of planar qtz-crb-chl veinlets up to 1 cm thick. 0.1-0.3% and up to 1% at the upper contact medium to coarse grained Py cubs scattered in matrix
340.34	341.25	Medium to coarse grained Py cubs in matrix
340.34	341.25	w1243666
		0.5-1% Py%, strongly sil-ser altered conglomerate
341.25	353.00	Traces to 0.2% medium to coarse grained Py cubs in matrix
341.70	346.15	Partly broken core
353.00	354.35	0.3-1% medium to coarse grained Py cubs in matrix
353.00	354.35	w1243667
		0.3-0.5% Py%, sil-ser-chl altered conglomerate
354.35	411.00	**Conglomerat; Polymictic; Porphyric**

		Description
		Olive green to greenish-gray, non magnetic, conglomerate full of unsorted fragments, mainly light colored, minor dark, locally with relict bedding, sized mm to 15 cm locally, with qtz grains in aphanitic, felsic, sil-ser-chl-(olivine or diposide?) matrix. In several places occured fragments(?)/ dyke? / vein? of dark gray, aphanitic mafic/ conglomerate; light gray, apahnitic, feldspar vein?; dark gray, fine grained, banded or bedded mafic volcanic or sediment (see minor litho). Entire unit weakly veined by crb-chl tension threads and locally planar, deformed, cross cutted, barren, qtz-crb-chl veinlets/veins, mainly up to 3 cm thick, locally 15 cm thick. Up to 0.3% fine to medium grained Py cubs/blebs in matrix, locally associated with dark colored fragments, and locally blebs in crb-chl threads. EOH
354.35	356.55	Traces to 0.2% medium to coarse grained Py cubs in matrix
356.55	359.00	Olive green to greenis-gray, non magnetic, qtz porphyritic, conglomerate with unsorted fine grained fragments sized mm to 8 cm elongated one, in sil-ser-chl matrix. Up to 0.3% medium to coarse grained Py cubs in matrix; weakly veined by crb-chl tension threads. Clear upper contact at 28TCA and lower 25TCA.
		Conglomerat 25°; Porphyric
356.55	358.00	Traces to 0.2% medium to coarse grained Py cubs in matrix
358.00	359.00	0.3% medium to coarse grained Py cubs in matrix and blebs in weakly distributed cross cutted at 20TCA and 40TCA cr-chl threads
358.00	359.00	w1243668
		0.3% Py, qtz porphyritic conglomerate
359.00	359.15	Dark gray, fine grained, mafic maric, with a number of crb tension threads, not clear conglomerate or mafic volcanic, weakly silicified
		Conglomerat 15°; Fine grains
359.00	360.00	Fine to medium grained Py blebs in matrix
360.00	361.00	Medium grained Py cubs and blebs in matrix, local veinlets are barren
360.00	361.00	w1243669
		0.3% Py, conglomerate
360.25	360.40	Barren, planar, dark gray qtz-crb-chl replacement vein 4 cm thick at 33TCA with a white qtz-crb veinlet 1 cm thick at the end. Traces of Py blebs in matrix
362.00	363.36	w1243670
		Traces of Py, veined conglomerate
362.50	363.36	Barren, planar, dark gray qtz-crb-chl vein 10 cm thick at 18TCA with a white qtz-crb veinlet 2 cm thick at the end. Traces of Py blebs in matrix
365.00	366.00	20% of the interval deformed crb-chl veins, barren Traces of Py blebs in matrix
365.00	366.00	w1243671
		Traces of Py, veined conglomerate
366.00	367.00	Partly broken core
370.30	370.40	Broken core

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		Description
374.48	375.50	Fine to medium grained Py blebs in matrix and in 5% crb-chl tension threads at 40TCA
374.48	375.50	w1243672
		0.3% Py, conglomerate
374.48	375.50	w1243673
		(Bln)
		Blank
376.00	376.23	Light greenish-gray, fine to medium grained, greenish sil-feldspar-chl matrix with light gray, fine grained, fledpar or argillious alteration, broken light gray colored pieces have lightly conchoidal fracture. Hornfels? Altered granite? Altered felsic crystal tuff? Altered current conglomerate? Both clear contacts, upper at 20TCA, lower 24TCA
		Felsic cristal tuf 24°; Fine to medium grained
382.65	383.37	Fine to medium grained Py blebs in matrix. 3% of cross cutted at 37TCA and 15TCA crb-chl stringers up to 0.5 cm thick are barren
382.65	383.37	w1243674
		0.5% Py, conglomerate
385.86	386.60	w1243675
		1% Py in 30 cm of silstone or basalt, traces of Py in conglomerate
386.15	386.45	Dark gray, non magnetic, fine grained, banded or bedded at 25TCA, sediment or basalt with weak crb-chl banded alteration? 1% medium grained Py cubs/ blebs in matrix and rare crb threads cross cutted banding/bedding at 25 TCA
		Siltstone 25°; Banded; Fine grains
386.15	386.45	Bedding or banded?
		25°
386.15	386.45	Fine to medium grained Py cubs in matrix, bedded siltstone or banded basalt?
387.18	387.32	Barren, planar, white qtz-crb vein 4 cm thick, at 50TCA
389.00	390.00	Medium graine Py cubs in matrix
389.00	390.00	w1243676
		0.5% Py, conglomerate
392.35	393.35	0.3-0.5% fine to med grained Py blebs associated with 12 cm dark greenis-gray fragment, minor in matrix
392.35	393.35	w1243677
		0.3-0.5% Py, conglomerate, weak veining
392.55	392.75	Several palanr, barren, qtz-crb veinlets up to 1.5 cm thick, at 50TCA
396.80	397.80	0.3-0.5% fine to med grained Py blebs associated with 6 cm dark greenis-gray fragment, minor in matrix
396.80	397.80	w1243678
		0.3% Py, conglomerate, weak veining

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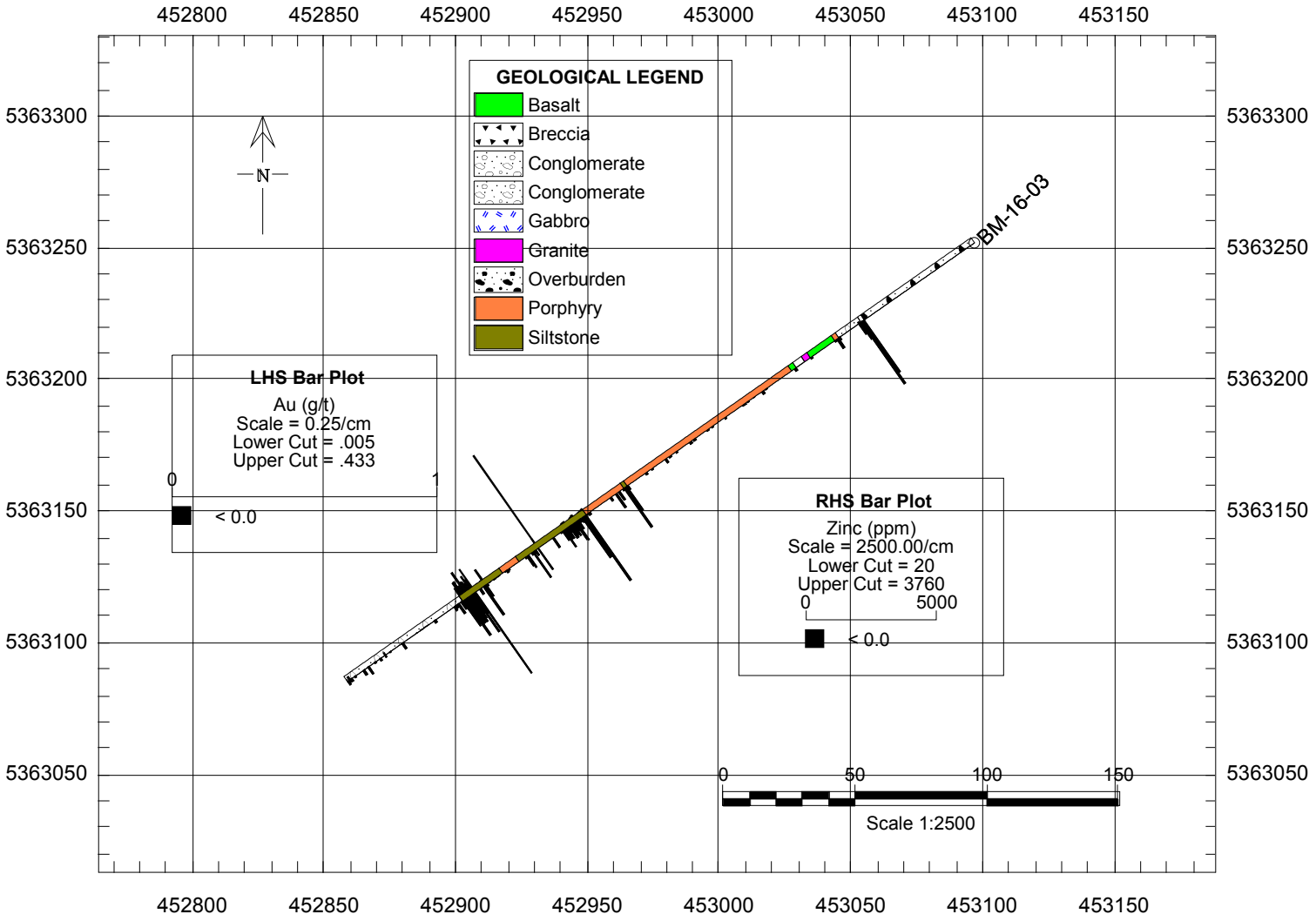
Description		
397.50	397.70	Planar, barren, qtz-crb vein 4 cm thick, upper contact 80TCA, lower 56TCA
399.80	401.00	Fine grained blebs in strongly silicified marix
399.80	401.00	w1243679
		0.2% Py, conglomerate, strongly silicified
399.80	401.00	w1243680
		(Std)
		OXD 108
405.58	406.46	0.5-1% fine grained Py blebs in strongly silicified marix
405.58	406.46	w1243681
		0.3-0.5% Py, conglomerate, strongly silicified
406.46	410.00	0.5-1% fine grained blebs mainly associated with dark colored fragments, minor in marix
408.00	409.00	w1243682
		0.5-1% Py, conglomerate
409.00	410.00	w1243683
		0.5-1% Py, conglomerate
410.00	411.00	0.5-1% fine grained blebs mainly associated with dark colored fragments, minor in marix
410.00	411.00	w1243684
		1% Py, conglomerate. EOH

DDH	From	To	Interval	Sample number	Au (ppb)	Description
BM-16-03	72.26	73.39	1.13	w1243562	5	Py 1%, breccia
BM-16-03	73.39	74.45	1.06	w1243563	6	Py 1%, breccia
BM-16-03	74.45	75.18	0.73	w1243564	5	Py 0.3%, conglomerate?
BM-16-03	75.18	76	0.82	w1243565	11	Py 1%, in clay like fragme
BM-16-03	88.08	89.07	0.99	w1243566	5	Py 0.2%, conglomerate?
BM-16-03	88.08	89.07		w1243567	5	Double w1243566
BM-16-03	89.07	90.4	1.33	w1243568	5	Py 0.5%, porphyry
BM-16-03	90.4	91.77	1.37	w1243569	5	Py 0.5%, porphyry, weak
BM-16-03	106.35	107.7	1.35	w1243570	5	Weakly veined, altered b
BM-16-03	117	118.2	1.2	w1243571	5	Rusted, broken to crushe
BM-16-03	117	118.2		w1243572	5	Blank Blank
BM-16-03	136	137.32	1.32	w1243573	7	Py 0.1%, weak veining. A
BM-16-03	138.45	139.75	1.3	w1243574	5	Py traces, weak veining.
BM-16-03	144	145	1	w1243575	6	Py traces, weak veining,
BM-16-03	148	149	1	w1243576	5	Py 0.3%, rare veining, alt
BM-16-03	150	151.14	1.14	w1243577	6	Py 0.2%, altered granite?
BM-16-03	151.14	152.25	1.11	w1243578	5	Weakly veined, traces of
BM-16-03	163	164	1	w1243579	5	Py 0.3%, qtz porphyry, al
BM-16-03	163	164		w1243580	1060	Standard SG66
BM-16-03	171.5	172.5	1	w1243581	5	Py 0.3%, qtz porphyry, al
BM-16-03	174.29	175.64	1.35	w1243582	5	Py 0.2%, weakly veined,
BM-16-03	183	184.55	1.55	w1243583	5	Py 0.2%, traces of hem o
BM-16-03	185.63	187.06	1.43	w1243584	5	Py 0.3%, qtz porphyry, w
BM-16-03	195	196	1	w1243585	5	Py 0.1%, qtz porphyry, w
BM-16-03	199	200.38	1.38	w1243586	5	Py 0.3%, qtz porphyry, w
BM-16-03	202	203	1	w1243587	5	Py 0.3%, qtz porphyry, ra
BM-16-03	211	212	1	w1243588	5	Qtz porphyry, weakly vei
BM-16-03	214.8	216	1.2	w1243589	5	Py 0.2%, qtz porphyry, w
BM-16-03	226.97	227.85	0.88	w1243590	5	Py 0.2%, qtz porphyry, sh
BM-16-03	227.85	229	1.15	w1243591	9	Py 1%, argillite/mudston
BM-16-03	229	230	1	w1243592	8	Py 4%, argillite/mudston
BM-16-03	230	230.84	0.84	w1243593	5	Py 0.5%, shoulder, feldsp
BM-16-03	232.5	233.5	1	w1243594	5	Py 0.3%, qtz porphyry
BM-16-03	232.5	233.5		w1243595	5	Double w1243594
BM-16-03	234.5	235.5	1	w1243596	5	Py 0.3%, qtz porphyry
BM-16-03	234.5	235.5		w1243597	9	Blank Blank
BM-16-03	238	239	1	w1243598	5	Py 0.5%, qtz porphyry
BM-16-03	252	253.35	1.35	w1243599	5	Py 0.3%, qtz porphyry
BM-16-03	252	253.35		w1243600	415	Standard OXD 108
BM-16-03	253.35	254.65	1.3	w1243601	5	Py 0.3%, fldspar altered
BM-16-03	254.65	255.73	1.08	w1243602	33	Py 4%, bedded argillite/r
BM-16-03	255.73	257.45	1.72	w1243603	30	Py 15%, bedded argillite/
BM-16-03	257.45	257.85	0.4	w1243604	5	Py 0.3%, shoulder, feldsp
BM-16-03	257.85	258.3	0.45	w1243605	29	Py 5%, argillite/mudston
BM-16-03	258.3	259.5	1.2	w1243606	9	Py 1%, argillite/mudston
BM-16-03	259.5	260.75	1.25	w1243607	6	Py 1%, argillite/mudston

BM-16-03	260.75	261.41	0.66	w1243608	34	Py 10%, argillite/mudsto
BM-16-03	261.41	262	0.59	w1243609	35	Py 5%, graphitic argillite/
BM-16-03	262	262.9	0.9	w1243610	32	Py 4%, graphitic argillite/
BM-16-03	262.9	263.6	0.7	w1243611	30	Py 4%, graphitic argillite/
BM-16-03	263.6	264.5	0.9	w1243612	26	Py 3-4%, graphitic argillit
BM-16-03	264.5	265.8	1.3	w1243613	19	Py 1%, weakly graphitic a
BM-16-03	265.8	266.6	0.8	w1243614	15	Py 1%, weakly graphitic a
BM-16-03	266.6	267.5	0.9	w1243615	32	Py 0.5%, graphitic argillit
BM-16-03	267.5	268.5	1	w1243616	32	Py 1%, graphitic argillite/
BM-16-03	268.5	269.24	0.74	w1243617	29	Py 3%, graphitic argillite/
BM-16-03	269.24	270.22	0.98	w1243618	24	Py 3%, graphitic argillite/
BM-16-03	270.22	271.34	1.12	w1243619	6	Py 2%, feldspar compose
BM-16-03	270.22	271.34		w1243620	1070	Standard SG66
BM-16-03	275.7	276.77	1.07	w1243621	8	Py 0.3%, 20% of qtz-crb v
BM-16-03	285.74	286.34	0.6	w1243622	433	Py 3-4%, graphitic argillit
BM-16-03	285.74	286.34		w1243623	5	Blank Blank
BM-16-03	287.45	288.22	0.77	w1243624	9	Py 5-7%, feldspar compo
BM-16-03	288.22	289	0.78	w1243625	5	Py 0.5%, shoulder, feldsp
BM-16-03	288.22	289		w1243626	5	Double w1243625
BM-16-03	289	289.65	0.65	w1243627	6	Py 10% in 20 cm bedded
BM-16-03	289.65	290.65	1	w1243628	5	Py 0.3-0.5%, shoulder. fe
BM-16-03	292.23	293	0.77	w1243629	8	Py 2%, bedded argilite w
BM-16-03	293	293.67	0.67	w1243630	8	Py 1%, bedded argilite w
BM-16-03	293.67	294.67	1	w1243631	5	Py 1%, shoulder. feldspa
BM-16-03	304.94	306	1.06	w1243632	5	Py 1%, qtz porphyry
BM-16-03	306	307	1	w1243633	5	Py 1%, qtz porphyry
BM-16-03	307	308	1	w1243634	5	Py 1%, qtz porphyry
BM-16-03	311	312.35	1.35	w1243635	5	Py 1%, 30 cm qtz porphy
BM-16-03	312.35	313.6	1.25	w1243636	5	Py 1%, feldspar compose
BM-16-03	313.6	314.24	0.64	w1243637	5	Py 0.3%, qtz porphyry
BM-16-03	314.24	315.35	1.11	w1243638	5	Py 1%, qtz porphyritic ler
BM-16-03	317.3	318.3	1	w1243639	5	Py 1-2%, feldspar compo
BM-16-03	317.3	318.3		w1243640	413	Standard OXD 108
BM-16-03	318.3	319.07	0.77	w1243641	5	Py 0.2%, shoulder. feldsp
BM-16-03	319.07	320.04	0.97	w1243642	12	1% Py, graphitic argillite/
BM-16-03	320.04	321	0.96	w1243643	74	4% Py, graphitic argillite/
BM-16-03	321	322.17	1.17	w1243644	29	1% Py, graphitic argillite/
BM-16-03	322.17	323.5	1.33	w1243645	5	Py 0.5%, feldspar compo
BM-16-03	323.5	324.6	1.1	w1243646	28	1-2% Py, graphitic argillit
BM-16-03	327	327.57	0.57	w1243647	110	10% Py or Po? in big brov
BM-16-03	327	327.57		w1243648	5	Blank Blank
BM-16-03	327.57	328.4	0.83	w1243649	66	5% Py, graphitic argillite/
BM-16-03	328.4	329.2	0.8	w1243650	84	5% Py, graphitic argillite/
BM-16-03	329.2	329.85	0.65	w1243651	56	5% Py, graphitic argillite/
BM-16-03	329.85	330.45	0.6	w1243652	64	1% Py, graphitic argillite/
BM-16-03	330.45	331.2	0.75	w1243653	68	10% Py, graphitic argillite
BM-16-03	331.2	332.2	1	w1243654	116	5-7% Py, graphitic argillit

BM-16-03	332.2	333.28	1.08	w1243655	60	3% Py, graphitic argillite/
BM-16-03	332.2	333.28		w1243656	89	Double w1243655
BM-16-03	333.28	334.25	0.97	w1243657	84	3% Py, graphitic argillite/
BM-16-03	334.25	334.87	0.62	w1243658	82	7-10% Py, graphitic argill
BM-16-03	334.87	335.6	0.73	w1243659	62	3-5% Py, graphitic argillit
BM-16-03	334.87	335.6		w1243660	1110	Standard SG66
BM-16-03	335.6	336.7	1.1	w1243661	5	0.5% Py, shistose conglo
BM-16-03	337.65	338.77	1.12	w1243662	5	0.5% Py, shistose conglo
BM-16-03	338.77	340.34	1.57	w1243665	5	0.3% Py, shistose conglo
BM-16-03	340.34	341.25	0.91	w1243666	5	0.5-1% Py%, strongly sil-s
BM-16-03	353	354.35	1.35	w1243667	5	0.3-0.5% Py%, sil-ser-chl
BM-16-03	358	359	1	w1243668	5	0.3% Py, qtz porphyritic c
BM-16-03	360	361	1	w1243669	5	0.3% Py, conglomerate
BM-16-03	362	363.36	1.36	w1243670	5	Traces of Py, veined cong
BM-16-03	365	366	1	w1243671	5	Traces of Py, veined cong
BM-16-03	374.48	375.5	1.02	w1243672	5	0.3% Py, conglomerate
BM-16-03	374.48	375.5		w1243673	5	Blank Blank
BM-16-03	382.65	383.37	0.72	w1243674	5	0.5% Py, conglomerate
BM-16-03	385.86	386.6	0.74	w1243675	15	1% Py in 30 cm of silston
BM-16-03	389	390	1	w1243676	5	0.5% Py, conglomerate
BM-16-03	392.35	393.35	1	w1243677	5	0.3-0.5% Py, conglomera
BM-16-03	396.8	397.8	1	w1243678	5	0.3% Py, conglomerate, v
BM-16-03	399.8	401	1.2	w1243679	5	0.2% Py, conglomerate, s
BM-16-03	399.8	401		w1243680	408	Standard OXD 108
BM-16-03	405.58	406.46	0.88	w1243681	5	0.3-0.5% Py, conglomera
BM-16-03	408	409	1	w1243682	5	0.5-1% Py, conglomerate
BM-16-03	409	410	1	w1243683	19	0.5-1% Py, conglomerate
BM-16-03	410	411	1	w1243684	5	1% Py, conglomerate. EC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Conglomerate
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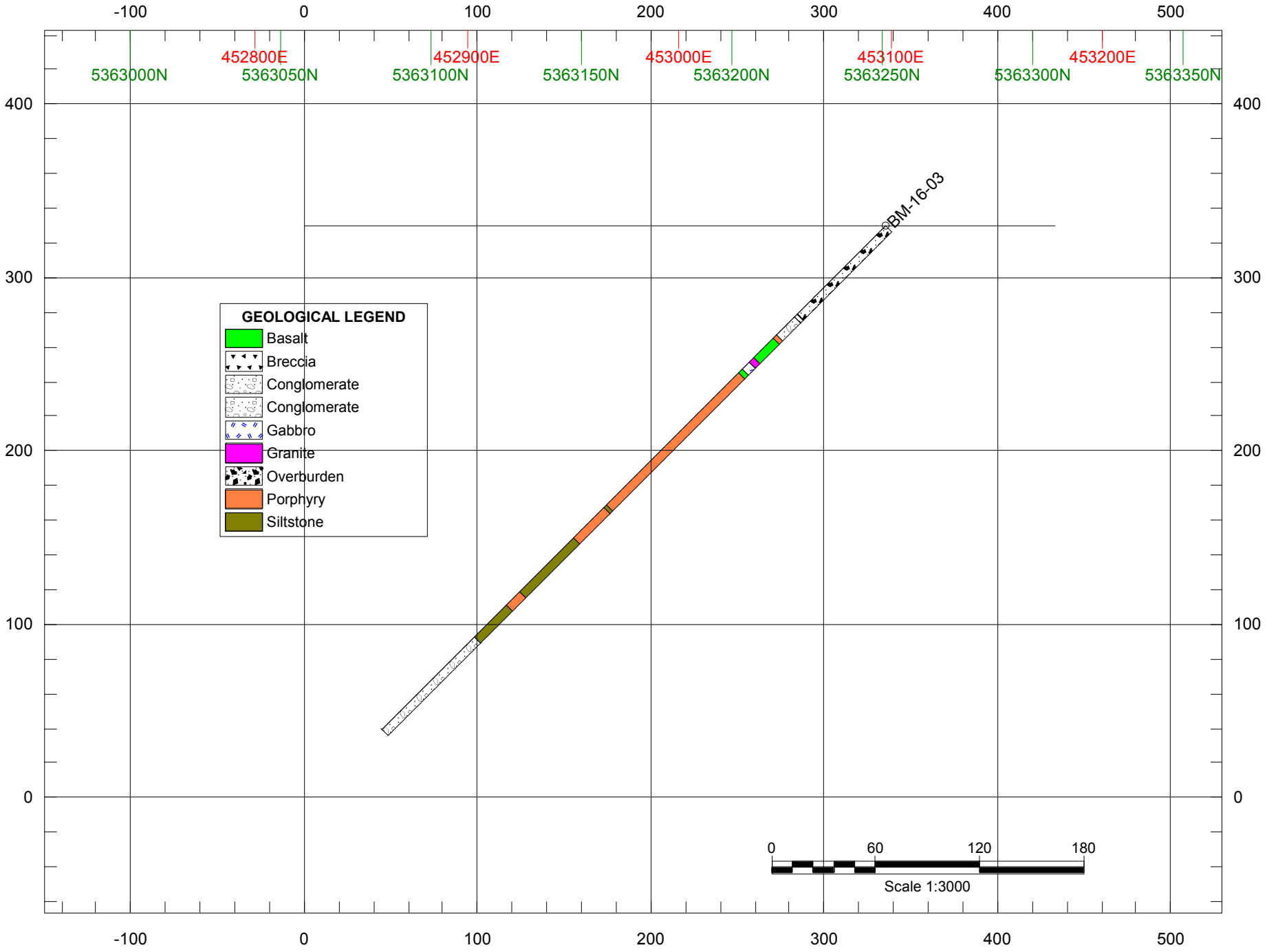
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5363050N
5363100N
5363150N
5363200N
5363250N
5363300N
5363350N
400
300
200
100
0
BM-16-03
GEOLOGICAL LEGEND
Basalt
Breccia
Conglomerate
Conglomerate
Gabbro
Granite
Overburden
Porphyry
Siltstone
0
60
120
180
Scale 1:3000

APPENDIX C: Certificates of Assay

Note: The lab reversed the 3rd and 4th digits of the sample number on the lab report. For instance sample number 1234562 should actually be 1243562

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Jun-16
Invoice No.: A16-05113
Invoice Date: 08-Jun-16
Your Reference: June 03/16

MELKIOR RESOURCES
3208 Richmond Road
OTTAWA ON K2H 5B6
Canada

ATTN: Wayne Holmstead(invoices)

CERTIFICATE OF ANALYSIS

59 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins Au - Fire Assay AA

Code 1E3-Timmins Aqua Regia ICP(AQUAGEO)

REPORT **A16-05113**

Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234562	5	0.7	9.3	82	116	1	8	901	2420	0.39	19	< 10	47	0.6	< 2	0.36	8	2	2.11	< 10	< 1	0.18	11
1234563	6	0.9	10.5	95	169	2	12	582	2890	0.38	15	< 10	46	0.7	< 2	0.39	12	4	1.65	< 10	< 1	0.18	12
1234564	< 5	0.6	2.0	32	223	1	15	109	789	0.65	17	< 10	57	0.9	< 2	0.26	12	4	1.54	< 10	< 1	0.23	16
1234565	11	0.5	< 0.5	40	299	1	24	68	511	0.37	43	< 10	47	0.8	< 2	0.11	25	5	1.72	< 10	< 1	0.18	12
1234566	< 5	< 0.2	< 0.5	7	182	3	3	3	147	0.38	2	< 10	60	0.7	< 2	0.34	3	2	0.75	< 10	< 1	0.18	15
1234567	5	< 0.2	< 0.5	6	177	2	2	4	147	0.31	< 2	< 10	54	0.6	< 2	0.31	3	3	0.69	< 10	< 1	0.16	14
1234568	< 5	0.4	0.7	74	368	4	1	141	454	0.63	4	< 10	47	0.7	< 2	0.76	5	3	2.49	< 10	< 1	0.14	28
1234569	< 5	< 0.2	< 0.5	50	453	4	1	5	92	0.76	< 2	< 10	59	0.8	< 2	1.47	4	4	2.77	< 10	< 1	0.19	32
1234570	< 5	< 0.2	< 0.5	31	1170	< 1	38	< 2	95	2.52	20	< 10	39	< 0.5	3	7.99	25	64	6.20	< 10	< 1	0.12	11
1234571	< 5	< 0.2	< 0.5	10	1510	< 1	23	4	139	1.27	16	< 10	70	0.6	< 2	3.10	20	35	5.05	< 10	< 1	0.18	16
1234572	5	< 0.2	< 0.5	< 1	69	< 1	< 1	< 2	5	4.41	< 2	17	16	< 0.5	< 2	0.20	< 1	3	0.47	< 10	< 1	1.19	< 10
1234573	7	< 0.2	< 0.5	98	517	< 1	< 1	< 2	59	0.82	5	< 10	51	< 0.5	< 2	1.36	8	4	3.33	< 10	< 1	0.13	22
1234574	< 5	< 0.2	< 0.5	8	549	2	< 1	< 2	151	0.27	< 2	< 10	50	< 0.5	< 2	1.70	3	6	2.98	< 10	< 1	0.10	21
1234575	6	< 0.2	< 0.5	22	448	1	1	< 2	38	1.19	< 2	< 10	56	< 0.5	< 2	2.26	5	3	3.16	< 10	< 1	0.15	24
1234576	< 5	< 0.2	< 0.5	17	531	1	3	< 2	63	1.21	3	< 10	47	< 0.5	< 2	2.61	7	5	3.68	< 10	< 1	0.15	29
1234577	6	0.3	< 0.5	13	487	1	< 1	< 2	79	1.33	< 2	< 10	53	< 0.5	< 2	2.62	5	3	3.45	< 10	< 1	0.16	29
1234578	5	0.2	< 0.5	61	1520	< 1	31	3	67	0.93	43	< 10	60	< 0.5	4	6.37	36	17	6.80	< 10	< 1	0.21	< 10
1234579	5	< 0.2	< 0.5	17	418	2	< 1	4	90	0.81	< 2	< 10	67	< 0.5	< 2	2.02	3	4	2.28	< 10	< 1	0.19	36
1234580	1060	1.5	2.2	98	445	< 1	67	81	169	1.87	114	< 10	71	0.8	< 2	1.17	20	53	5.47	< 10	< 1	0.34	12
1234581	< 5	< 0.2	< 0.5	13	357	2	1	7	74	0.87	< 2	< 10	48	< 0.5	< 2	1.39	4	7	2.44	< 10	< 1	0.15	31
1234582	< 5	< 0.2	< 0.5	11	496	2	3	5	72	0.50	< 2	< 10	49	< 0.5	< 2	2.29	3	5	2.40	< 10	< 1	0.15	33
1234583	5	< 0.2	< 0.5	8	514	2	< 1	3	94	0.91	< 2	< 10	46	< 0.5	< 2	2.02	2	6	2.68	< 10	< 1	0.17	33
1234584	< 5	< 0.2	< 0.5	6	557	2	< 1	3	115	0.69	< 2	< 10	43	< 0.5	< 2	2.10	2	4	2.24	< 10	< 1	0.17	34
1234585	5	0.4	< 0.5	8	632	2	1	5	85	0.81	< 2	< 10	43	< 0.5	< 2	2.59	2	7	2.66	< 10	< 1	0.17	37
1234586	5	< 0.2	< 0.5	12	568	2	1	7	86	0.82	< 2	< 10	36	< 0.5	< 2	2.19	3	5	2.79	< 10	< 1	0.15	37
1234587	5	0.2	< 0.5	19	597	1	< 1	11	197	0.57	< 2	< 10	40	< 0.5	< 2	2.68	3	3	2.38	< 10	< 1	0.17	35
1234588	5	< 0.2	< 0.5	7	712	2	1	4	79	0.35	< 2	< 10	34	< 0.5	< 2	2.54	1	4	2.41	< 10	< 1	0.18	37
1234589	< 5	< 0.2	< 0.5	11	645	2	1	5	109	0.47	< 2	< 10	37	< 0.5	< 2	1.79	2	3	2.57	< 10	< 1	0.19	37
1234590	5	< 0.2	< 0.5	15	393	2	< 1	4	203	0.32	< 2	< 10	43	< 0.5	< 2	0.58	2	5	2.43	< 10	< 1	0.18	36
1234591	9	1.0	2.3	341	977	2	48	23	1120	0.62	26	< 10	40	0.6	< 2	3.01	38	8	5.57	< 10	< 1	0.19	12
1234592	8	0.7	3.8	299	636	2	28	21	1840	0.78	10	< 10	33	0.5	< 2	2.44	26	8	5.31	< 10	< 1	0.14	< 10
1234593	5	0.4	< 0.5	81	1250	< 1	33	3	107	1.43	35	< 10	40	0.7	3	5.88	35	18	7.35	< 10	< 1	0.21	< 10
1234594	5	0.3	0.7	22	420	2	1	4	407	0.33	< 2	< 10	42	< 0.5	< 2	1.03	3	6	2.47	< 10	< 1	0.19	36
1234595	< 5	< 0.2	< 0.5	17	444	2	1	5	259	0.35	< 2	< 10	45	< 0.5	< 2	1.19	3	3	2.47	< 10	< 1	0.19	35
1234596	5	< 0.2	1.3	36	452	2	1	10	663	0.30	< 2	< 10	44	< 0.5	< 2	0.98	3	6	2.39	< 10	< 1	0.18	34
1234597	9	< 0.2	< 0.5	< 1	34	< 1	< 1	< 2	7	4.12	< 2	14	17	< 0.5	< 2	0.19	< 1	< 1	0.18	< 10	< 1	1.09	< 10
1234598	< 5	< 0.2	< 0.5	15	556	2	1	4	175	0.33	< 2	< 10	44	< 0.5	< 2	1.54	3	6	2.49	< 10	< 1	0.19	33
1234599	< 5	0.5	< 0.5	59	1150	< 1	18	3	127	0.38	30	< 10	49	< 0.5	< 2	4.90	25	5	5.56	< 10	< 1	0.24	15
1234600	415	< 0.2	< 0.5	33	476	1	77	4	44	2.03	< 2	< 10	94	0.9	< 2	1.27	23	70	3.70	< 10	< 1	0.43	13
1234601	< 5	0.3	< 0.5	73	1180	< 1	33	3	69	0.36	41	< 10	40	< 0.5	< 2	6.01	34	8	6.74	< 10	< 1	0.20	< 10
1234602	33	1.7	5.7	707	651	3	261	48	3030	0.23	275	< 10	29	< 0.5	< 2	1.81	120	16	7.80	< 10	< 1	0.10	< 10
1234603	30	1.5	4.4	616	875	3	427	64	1890	0.22	296	< 10	27	< 0.5	< 2	3.66	78	14	10.9	< 10	< 1	0.11	< 10
1234604	< 5	0.2	0.6	62	1170	< 1	77	< 2	231	0.37	85	< 10	46	< 0.5	3	6.20	42	14	6.92	< 10	< 1	0.21	< 10
1234605	29	1.0	< 0.5	355	1310	2	107	31	190	0.36	200	< 10	38	< 0.5	< 2	4.66	32	7	10.9	< 10	< 1	0.16	< 10
1234606	9	0.2	< 0.5	25	711	< 1	14	14	158	0.32	43	< 10	46	< 0.5	< 2	2.79	13	6	3.22	< 10	< 1	0.15	< 10
1234607	6	< 0.2	0.9	17	813	1	30	4	414	0.74	54	< 10	50	< 0.5	< 2	2.74	19	5	3.96	< 10	< 1	0.18	11
1234608	34	0.7	2.0	178	1160	4	185	47	870	0.34	326	< 10	25	< 0.5	< 2	3.08	57	5	11.6	< 10	< 1	0.16	< 10
1234609	35	0.7	1.7	144	1340	16	321	33	821	0.33	349	< 10	33	0.5	< 2	2.17	74	7	10.6	< 10	< 1	0.14	12

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234610	32	0.6	0.7	125	1480	15	231	26	385	0.28	217	< 10	34	< 0.5	< 2	2.23	60	8	9.20	< 10	< 1	0.13	12
1234611	30	0.6	1.0	131	1300	13	295	23	566	0.21	341	< 10	27	< 0.5	< 2	2.37	85	4	8.85	< 10	< 1	0.10	< 10
1234612	26	0.5	1.1	121	1210	17	241	16	486	0.30	231	< 10	35	0.5	< 2	3.12	65	6	6.99	< 10	< 1	0.13	13
1234613	19	0.5	1.5	74	1050	12	223	12	571	0.32	211	< 10	36	0.6	< 2	4.78	62	4	5.37	< 10	< 1	0.13	< 10
1234614	15	0.3	< 0.5	25	684	4	61	22	283	0.33	99	< 10	46	< 0.5	2	3.42	23	5	4.32	< 10	< 1	0.18	< 10
1234615	32	0.6	0.8	117	287	2	82	35	501	0.35	157	< 10	45	< 0.5	3	1.11	37	9	4.62	< 10	< 1	0.18	< 10
1234616	32	0.4	1.1	41	596	5	87	18	484	0.40	153	< 10	45	< 0.5	4	3.04	34	4	3.92	< 10	< 1	0.17	< 10
1234617	29	0.5	1.9	76	366	9	178	20	806	0.41	249	< 10	38	0.5	< 2	1.99	51	4	5.13	< 10	< 1	0.15	< 10
1234618	24	0.3	1.0	32	469	8	120	16	450	0.44	166	< 10	52	0.6	4	2.77	37	7	3.56	< 10	< 1	0.20	< 10
1234619	6	0.2	< 0.5	52	1060	< 1	60	10	80	0.46	98	< 10	57	< 0.5	< 2	5.55	32	8	6.78	< 10	< 1	0.23	< 10
1234620	1070	1.4	2.3	97	438	< 1	68	81	167	1.83	105	< 10	66	0.8	< 2	1.13	19	51	5.33	< 10	< 1	0.33	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234562	0.09	0.041	0.008	1.68	< 2	< 1	10	< 0.01	< 1	< 2	< 10	1	< 10	32	37
1234563	0.12	0.030	0.009	1.15	< 2	< 1	9	< 0.01	1	< 2	< 10	1	< 10	36	39
1234564	0.16	0.025	0.011	0.35	< 2	< 1	8	< 0.01	< 1	< 2	< 10	4	< 10	48	37
1234565	0.03	0.029	0.028	1.28	< 2	< 1	4	< 0.01	< 1	< 2	< 10	4	< 10	30	35
1234566	0.08	0.044	0.011	0.10	< 2	< 1	9	< 0.01	< 1	< 2	< 10	< 1	< 10	25	25
1234567	0.07	0.040	0.011	0.06	< 2	< 1	8	< 0.01	< 1	< 2	< 10	< 1	< 10	24	26
1234568	0.21	0.064	0.011	0.71	< 2	< 1	17	< 0.01	< 1	< 2	< 10	< 1	< 10	10	46
1234569	0.45	0.050	0.010	0.36	< 2	< 1	31	< 0.01	1	< 2	< 10	1	< 10	9	36
1234570	1.97	0.043	0.027	0.03	4	7	179	< 0.01	< 1	< 2	< 10	67	< 10	11	12
1234571	0.62	0.036	0.038	0.02	3	4	30	< 0.01	< 1	< 2	< 10	28	< 10	11	19
1234572	0.04	2.81	< 0.001	< 0.01	< 2	< 1	26	< 0.01	1	< 2	< 10	< 1	< 10	2	1
1234573	0.42	0.064	0.033	0.06	4	2	32	< 0.01	3	< 2	< 10	8	< 10	8	37
1234574	0.42	0.058	0.026	0.03	< 2	2	79	< 0.01	< 1	< 2	< 10	8	< 10	8	31
1234575	0.38	0.054	0.034	0.06	< 2	2	28	< 0.01	3	< 2	< 10	8	< 10	13	32
1234576	0.64	0.049	0.035	0.02	2	2	39	< 0.01	< 1	< 2	< 10	9	< 10	12	27
1234577	0.38	0.058	0.034	0.08	3	2	43	< 0.01	3	< 2	< 10	8	< 10	13	33
1234578	2.30	0.025	0.033	0.01	< 2	6	171	< 0.01	< 1	< 2	< 10	41	< 10	6	6
1234579	0.14	0.047	0.014	0.15	< 2	< 1	45	< 0.01	2	< 2	< 10	2	< 10	16	28
1234580	1.62	0.660	0.093	2.32	3	2	199	0.42	5	< 2	< 10	61	< 10	5	36
1234581	0.16	0.051	0.015	0.11	< 2	< 1	27	< 0.01	4	< 2	< 10	2	< 10	12	26
1234582	0.19	0.043	0.014	0.10	< 2	< 1	29	< 0.01	< 1	< 2	< 10	1	< 10	13	26
1234583	0.22	0.046	0.015	0.04	2	< 1	51	< 0.01	5	< 2	< 10	2	< 10	14	33
1234584	0.17	0.040	0.014	0.06	< 2	< 1	57	< 0.01	7	< 2	< 10	1	< 10	16	34
1234585	0.20	0.049	0.016	0.04	< 2	< 1	64	< 0.01	< 1	< 2	< 10	2	< 10	15	37
1234586	0.20	0.054	0.014	0.09	< 2	1	71	< 0.01	1	< 2	< 10	2	< 10	19	41
1234587	0.20	0.046	0.014	0.11	< 2	< 1	52	< 0.01	3	< 2	< 10	< 1	< 10	13	34
1234588	0.32	0.031	0.014	0.04	< 2	< 1	45	< 0.01	< 1	< 2	< 10	< 1	< 10	12	29
1234589	0.26	0.039	0.016	0.11	< 2	< 1	37	< 0.01	< 1	< 2	< 10	< 1	< 10	11	30
1234590	0.21	0.044	0.014	0.11	< 2	< 1	16	< 0.01	1	< 2	< 10	1	< 10	12	46
1234591	0.90	0.039	0.040	0.93	2	4	84	< 0.01	4	< 2	< 10	15	< 10	6	25
1234592	0.80	0.043	0.047	1.12	< 2	3	66	< 0.01	5	< 2	< 10	11	< 10	5	21
1234593	2.15	0.026	0.031	0.28	3	7	154	< 0.01	2	< 2	< 10	43	< 10	5	6
1234594	0.23	0.042	0.015	0.16	< 2	< 1	24	< 0.01	< 1	< 2	< 10	1	< 10	11	28
1234595	0.25	0.045	0.015	0.18	< 2	< 1	28	< 0.01	< 1	< 2	< 10	1	< 10	11	27
1234596	0.17	0.040	0.014	0.19	< 2	< 1	23	< 0.01	< 1	< 2	< 10	< 1	< 10	10	27
1234597	0.04	2.63	< 0.001	< 0.01	< 2	< 1	23	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1
1234598	0.22	0.047	0.015	0.20	< 2	< 1	35	< 0.01	< 1	< 2	< 10	< 1	< 10	9	26
1234599	1.76	0.031	0.024	0.10	2	5	132	< 0.01	< 1	< 2	< 10	12	< 10	7	16
1234600	1.92	0.869	0.107	0.02	< 2	2	184	0.48	5	< 2	< 10	67	< 10	5	9
1234601	2.40	0.028	0.030	0.10	3	6	189	< 0.01	< 1	< 2	< 10	22	< 10	4	4
1234602	0.76	0.060	0.033	4.10	4	2	55	< 0.01	2	< 2	< 10	7	< 10	3	22
1234603	1.56	0.038	0.026	5.71	6	3	129	< 0.01	< 1	< 2	< 10	10	< 10	3	19
1234604	2.90	0.023	0.010	0.13	3	6	210	< 0.01	< 1	< 2	< 10	17	< 10	3	2
1234605	1.93	0.044	0.062	6.00	4	4	153	< 0.01	4	< 2	< 10	12	< 10	4	14
1234606	0.78	0.076	0.112	1.21	< 2	2	95	< 0.01	3	< 2	< 10	9	< 10	3	9
1234607	0.93	0.074	0.113	0.75	3	2	90	< 0.01	< 1	< 2	< 10	10	< 10	4	10
1234608	1.05	0.038	0.063	8.71	5	2	99	< 0.01	< 1	< 2	< 10	7	< 10	5	35
1234609	1.01	0.031	0.032	6.88	5	2	74	< 0.01	< 1	< 2	< 10	9	< 10	6	36

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234610	1.18	0.035	0.027	4.01	5	3	75	< 0.01	< 1	< 2	< 10	7	< 10	5	29
1234611	1.08	0.032	0.025	4.70	4	3	78	< 0.01	< 1	< 2	< 10	6	< 10	4	22
1234612	1.25	0.037	0.029	2.38	4	3	103	< 0.01	< 1	< 2	< 10	6	< 10	5	24
1234613	1.56	0.034	0.029	1.34	4	4	163	< 0.01	< 1	< 2	< 10	6	< 10	5	15
1234614	1.04	0.027	0.032	1.34	2	3	144	< 0.01	< 1	< 2	< 10	4	< 10	5	18
1234615	0.34	0.026	0.022	3.08	5	1	47	< 0.01	< 1	< 2	< 10	4	< 10	4	23
1234616	0.94	0.029	0.028	1.57	3	2	107	< 0.01	< 1	< 2	< 10	4	< 10	4	16
1234617	0.63	0.033	0.024	3.73	3	2	71	< 0.01	< 1	< 2	< 10	4	< 10	3	17
1234618	0.88	0.044	0.028	1.65	3	3	96	< 0.01	< 1	< 2	< 10	7	< 10	4	19
1234619	2.01	0.032	0.041	1.75	4	5	189	< 0.01	< 1	< 2	< 10	17	< 10	5	12
1234620	1.59	0.650	0.091	2.27	< 2	1	197	0.41	3	< 2	< 10	60	< 10	5	36

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		28.8	2.9	1040	770	13	22	659	675	0.35	382	< 10	338	0.8	1510	0.78	6	6	23.1	< 10	4	0.03	< 10
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50
GXR-4 Meas		3.6	< 0.5	6480	139	315	35	49	73	3.06	109	< 10	105	1.5	6	0.95	14	58	3.30	10	< 1	1.79	52
GXR-4 Cert		4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5
GXR-6 Meas		0.3	< 0.5	62	988	2	17	97	121	7.41	249	< 10	1090	0.9	< 2	0.15	13	79	5.53	20	< 1	1.10	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OxD108 Meas	417																						
OxD108 Cert	414																						
OxD108 Meas	408																						
OxD108 Cert	414																						
OxJ120 Meas	2320																						
OxJ120 Cert	2365.000																						
OxJ120 Meas	2310																						
OxJ120 Cert	2365.000																						
1234571 Orig	5																						
1234571 Dup	< 5																						
1234581 Orig	< 5																						
1234581 Dup	5																						
1234591 Orig	9																						
1234591 Dup	8																						
1234595 Orig		< 0.2	< 0.5	17	432	2	1	4	253	0.34	< 2	< 10	43	< 0.5	< 2	1.16	3	3	2.40	< 10	< 1	0.19	34
1234595 Dup		< 0.2	< 0.5	18	455	2	1	7	265	0.36	< 2	< 10	47	< 0.5	< 2	1.21	3	3	2.54	< 10	< 1	0.20	36
1234606 Orig	8																						
1234606 Dup	9																						
1234608 Orig		0.8	1.9	180	1180	5	189	48	875	0.35	331	< 10	27	< 0.5	< 2	3.11	57	5	11.7	< 10	< 1	0.17	< 10
1234608 Dup		0.7	2.0	176	1150	4	181	47	865	0.33	322	< 10	23	< 0.5	< 2	3.05	57	5	11.4	< 10	< 1	0.16	< 10
1234611 Orig	30																						
1234611 Split PREP DUP	32																						
1234611 Orig		0.6	1.2	130	1300	13	296	23	563	0.21	341	< 10	28	< 0.5	< 2	2.37	85	4	8.86	< 10	< 1	0.10	< 10
1234611 Dup		0.6	0.9	131	1310	13	294	23	570	0.21	341	< 10	27	< 0.5	< 2	2.37	85	4	8.85	< 10	< 1	0.10	< 10
1234616 Orig	30																						
1234616 Dup	33																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	12	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.13	0.055	0.036	0.19	85	1	152	< 0.01	13	< 2	26	82	139	24	14
GXR-1 Cert	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-4 Meas	1.71	0.159	0.120	1.75	5	7	75	0.14	< 1	< 2	< 10	90	16	12	11
GXR-4 Cert	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	0.39	0.087	0.031	0.01	4	20	30		6	< 2	< 10	184	< 10	6	15
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110
OxD108 Meas															
OxD108 Cert															
OxD108 Meas															
OxD108 Cert															
OxJ120 Meas															
OxJ120 Cert															
OxJ120 Meas															
OxJ120 Cert															
1234571 Orig															
1234571 Dup															
1234581 Orig															
1234581 Dup															
1234591 Orig															
1234591 Dup															
1234595 Orig	0.24	0.043	0.014	0.17	< 2	< 1	27	< 0.01	< 1	< 2	< 10	1	< 10	11	27
1234595 Dup	0.26	0.047	0.015	0.18	< 2	< 1	28	< 0.01	< 1	< 2	< 10	1	< 10	11	27
1234606 Orig															
1234606 Dup															
1234608 Orig	1.07	0.038	0.064	8.76	5	2	99	< 0.01	< 1	< 2	< 10	7	< 10	5	36
1234608 Dup	1.03	0.037	0.062	8.65	5	2	99	< 0.01	2	< 2	< 10	7	< 10	5	34
1234611 Orig															
1234611 Split PREP DUP															
1234611 Orig	1.08	0.032	0.025	4.67	4	3	77	< 0.01	< 1	< 2	< 10	6	< 10	4	23
1234611 Dup	1.08	0.031	0.025	4.74	4	3	79	< 0.01	< 1	< 2	< 10	6	< 10	4	22
1234616 Orig															
1234616 Dup															
Method Blank															
Method Blank															
Method Blank															
Method Blank															
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Quality Analysis ... *Innovative Technologies*

Date Submitted: 06-Jun-16
Invoice No.: A16-05176
Invoice Date: 10-Jun-16
Your Reference: June 06/16

MELKIOR RESOURCES
3208 Richmond Road
OTTAWA ON K2H 5B6
Canada

ATTN: Wayne Holmstead(invoices)

CERTIFICATE OF ANALYSIS

64 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins Au - Fire Assay AA

Code 1E3-Timmins Aqua Regia ICP(AQUAGEO)

REPORT **A16-05176**

Notes:

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

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234621	8	0.3	1.1	37	938	1	63	14	463	0.31	76	< 10	25	< 0.5	4	5.55	21	14	5.24	< 10	< 1	0.08	< 10
1234622	433	0.6	2.0	180	463	6	217	35	1000	0.28	294	< 10	19	< 0.5	6	2.46	79	10	8.91	< 10	< 1	0.10	< 10
1234623	< 5	< 0.2	< 0.5	< 1	41	< 1	< 1	< 2	4	4.20	< 2	13	15	< 0.5	< 2	0.20	< 1	2	0.24	< 10	< 1	1.13	< 10
1234624	9	0.4	< 0.5	188	858	1	97	20	256	0.32	141	< 10	36	< 0.5	4	4.28	47	10	8.62	< 10	< 1	0.14	< 10
1234625	< 5	< 0.2	< 0.5	59	1140	< 1	38	3	127	0.36	48	< 10	42	< 0.5	< 2	5.11	30	12	6.29	< 10	< 1	0.17	< 10
1234626	< 5	< 0.2	< 0.5	62	1120	< 1	34	5	118	0.44	45	< 10	50	< 0.5	4	5.03	28	12	6.10	< 10	< 1	0.20	< 10
1234627	6	0.4	2.4	359	1160	1	98	16	1210	0.29	122	< 10	35	< 0.5	< 2	4.71	49	9	8.17	< 10	< 1	0.13	< 10
1234628	< 5	< 0.2	< 0.5	60	1160	< 1	53	< 2	132	0.65	57	< 10	67	0.6	< 2	5.49	33	14	7.13	< 10	< 1	0.30	< 10
1234629	8	0.3	1.1	95	578	2	38	13	577	0.36	84	< 10	40	< 0.5	< 2	3.71	19	6	4.77	< 10	< 1	0.14	< 10
1234630	8	0.4	0.9	141	420	4	67	10	479	0.49	99	< 10	46	< 0.5	< 2	2.62	27	9	4.22	< 10	< 1	0.17	10
1234631	< 5	0.3	< 0.5	24	273	2	9	13	101	0.24	51	< 10	36	< 0.5	< 2	1.61	6	5	3.69	< 10	< 1	0.13	14
1234632	< 5	< 0.2	< 0.5	13	299	3	1	9	88	0.40	12	< 10	56	< 0.5	< 2	1.23	1	4	2.11	< 10	< 1	0.22	37
1234633	< 5	< 0.2	< 0.5	14	351	3	1	7	137	0.20	11	< 10	36	< 0.5	< 2	1.32	< 1	4	2.17	< 10	< 1	0.12	31
1234634	< 5	< 0.2	< 0.5	10	318	3	2	5	63	0.50	9	< 10	66	< 0.5	< 2	1.30	< 1	4	1.89	< 10	< 1	0.28	42
1234635	< 5	0.2	< 0.5	65	1150	< 1	69	2	43	0.25	65	< 10	40	< 0.5	3	7.09	35	9	5.77	< 10	< 1	0.17	< 10
1234636	< 5	0.2	< 0.5	64	830	1	29	3	36	0.35	20	< 10	52	< 0.5	< 2	4.59	13	7	4.44	< 10	< 1	0.20	19
1234637	< 5	0.3	< 0.5	118	1170	< 1	84	3	36	0.28	73	< 10	45	0.6	3	7.11	52	8	6.54	< 10	< 1	0.20	< 10
1234638	< 5	0.2	< 0.5	145	934	< 1	101	4	57	0.28	92	< 10	49	0.5	3	4.92	65	8	6.36	< 10	< 1	0.20	< 10
1234639	< 5	0.3	< 0.5	93	1240	< 1	78	4	38	0.44	67	< 10	58	0.5	7	8.43	39	12	6.36	< 10	< 1	0.28	< 10
1234640	413	< 0.2	< 0.5	39	502	1	85	6	47	2.08	< 2	< 10	100	0.9	< 2	1.29	24	74	3.89	< 10	< 1	0.45	14
1234641	< 5	< 0.2	< 0.5	51	1390	< 1	63	< 2	29	0.21	106	< 10	38	0.5	< 2	8.35	39	7	5.50	< 10	< 1	0.16	< 10
1234642	12	0.3	< 0.5	61	613	< 1	62	8	121	0.26	91	< 10	41	0.6	3	2.97	29	3	4.64	< 10	< 1	0.16	< 10
1234643	74	1.3	1.1	207	417	7	141	86	542	0.38	244	< 10	42	0.7	7	1.79	45	8	6.51	< 10	< 1	0.20	< 10
1234644	29	0.7	3.0	56	605	1	52	39	1350	0.32	78	< 10	42	0.5	< 2	2.91	24	10	3.80	< 10	< 1	0.15	< 10
1234645	< 5	0.2	< 0.5	61	1330	< 1	69	< 2	34	0.45	120	< 10	60	0.6	4	8.27	38	11	5.46	< 10	< 1	0.28	< 10
1234646	28	0.6	< 0.5	105	864	2	74	36	267	0.38	111	< 10	47	0.6	4	3.64	40	9	5.61	< 10	< 1	0.21	< 10
1234647	110	2.2	6.4	1040	372	3	295	87	3760	0.30	423	< 10	25	< 0.5	2	1.16	120	10	10.7	< 10	< 1	0.16	< 10
1234648	< 5	< 0.2	< 0.5	< 1	33	< 1	< 1	< 2	7	4.13	< 2	12	13	< 0.5	< 2	0.19	< 1	< 1	0.18	< 10	< 1	1.11	< 10
1234649	66	1.4	2.2	89	478	11	210	99	973	0.29	411	< 10	37	0.5	< 2	1.80	67	6	4.30	< 10	< 1	0.13	11
1234650	84	1.6	3.0	573	481	5	287	58	1770	0.47	449	< 10	33	0.6	< 2	1.50	91	14	8.00	< 10	< 1	0.26	< 10
1234651	56	1.5	1.5	206	564	10	246	109	886	0.47	400	< 10	56	0.6	< 2	1.71	60	10	4.20	< 10	< 1	0.23	12
1234652	64	1.4	2.2	89	462	15	257	101	1070	0.27	462	< 10	34	0.5	< 2	1.51	72	8	3.81	< 10	< 1	0.11	12
1234653	68	1.5	2.3	107	568	16	237	106	1200	0.36	427	< 10	44	0.6	< 2	1.82	71	9	4.41	< 10	< 1	0.17	< 10
1234654	116	2.3	2.0	520	424	5	187	117	1190	0.30	332	< 10	34	< 0.5	< 2	1.26	67	9	7.06	< 10	< 1	0.15	< 10
1234655	60	1.4	1.9	347	324	3	155	68	1200	0.51	208	< 10	45	0.7	< 2	1.04	64	12	6.07	< 10	< 1	0.26	10
1234656	89	1.9	3.3	718	156	4	204	88	2080	0.35	298	< 10	33	0.6	< 2	0.59	81	9	7.28	< 10	< 1	0.16	< 10
1234657	84	1.5	2.6	784	89	4	398	56	1690	0.43	501	< 10	34	0.6	< 2	0.37	103	10	6.92	< 10	< 1	0.21	< 10
1234658	82	2.3	2.1	1270	38	3	282	100	1130	0.28	392	< 10	19	0.5	< 2	0.17	74	5	11.9	< 10	< 1	0.13	< 10
1234659	62	1.1	2.0	574	52	4	153	47	1190	0.34	180	< 10	38	0.8	< 2	0.23	54	8	5.91	< 10	< 1	0.15	< 10
1234660	1110	1.7	2.2	113	447	1	73	87	179	1.87	107	< 10	81	0.8	< 2	1.13	20	52	5.51	< 10	< 1	0.34	12
1234661	5	0.3	0.6	23	70	2	22	22	360	0.45	32	< 10	72	0.7	< 2	0.24	14	5	1.49	< 10	< 1	0.25	22
1234662	< 5	0.3	0.7	39	122	3	8	18	458	0.35	33	< 10	58	0.6	< 2	0.40	6	3	1.60	< 10	< 1	0.21	15
1234663	141	< 0.2	< 0.5	< 1	2240	< 1	59	< 2	165	8.10	2	< 10	< 10	0.6	< 2	0.46	33	30	11.7	40	1	< 0.01	< 10
1234664	472	< 0.2	< 0.5	< 1	1720	< 1	37	< 2	112	6.37	< 2	< 10	< 10	< 0.5	< 2	0.21	26	4	11.3	30	< 1	< 0.01	< 10
1234665	< 5	< 0.2	< 0.5	17	354	3	4	4	138	0.57	< 2	< 10	81	0.6	< 2	1.11	3	4	1.50	< 10	< 1	0.30	15
1234666	< 5	0.2	< 0.5	12	578	3	< 1	2	203	0.26	8	< 10	42	< 0.5	< 2	0.96	3	13	3.17	< 10	< 1	0.13	33
1234667	< 5	< 0.2	< 0.5	12	481	2	< 1	3	127	0.22	< 2	< 10	39	< 0.5	< 2	1.12	1	5	2.76	< 10	< 1	0.12	31
1234668	< 5	< 0.2	< 0.5	8	607	2	4	4	22	0.32	3	< 10	51	< 0.5	< 2	2.97	5	5	2.91	< 10	< 1	0.20	25

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234669	< 5	0.2	< 0.5	7	339	5	3	4	29	0.36	2	< 10	57	< 0.5	< 2	1.82	3	5	1.92	< 10	< 1	0.22	11
1234670	< 5	0.4	< 0.5	< 1	658	4	1	49	30	0.19	< 2	< 10	32	< 0.5	< 2	10.0	< 1	4	1.30	< 10	< 1	0.11	< 10
1234671	< 5	0.3	< 0.5	2	407	4	2	16	20	0.33	< 2	< 10	47	< 0.5	< 2	3.86	< 1	6	1.34	< 10	< 1	0.17	12
1234672	< 5	0.5	0.7	114	478	6	1	26	284	0.17	18	< 10	24	< 0.5	< 2	2.75	4	18	2.41	< 10	< 1	0.05	25
1234673	< 5	< 0.2	< 0.5	< 1	35	< 1	< 1	< 2	5	4.19	< 2	12	16	< 0.5	< 2	0.20	< 1	< 1	0.19	< 10	< 1	1.15	< 10
1234674	< 5	1.8	< 0.5	118	749	1	2	80	54	0.27	16	< 10	52	< 0.5	2	4.38	11	8	4.21	< 10	< 1	0.15	< 10
1234675	15	1.9	< 0.5	65	320	23	9	97	113	0.26	5	< 10	60	< 0.5	3	1.71	7	7	2.74	< 10	< 1	0.15	10
1234676	< 5	0.7	< 0.5	46	354	< 1	2	35	118	0.37	13	< 10	76	< 0.5	< 2	1.81	5	11	2.15	< 10	< 1	0.20	10
1234677	< 5	0.3	< 0.5	27	167	2	< 1	14	73	0.28	2	< 10	57	< 0.5	< 2	1.03	< 1	7	0.83	< 10	< 1	0.17	12
1234678	< 5	0.6	0.6	20	196	1	1	28	346	0.36	5	< 10	67	< 0.5	< 2	1.08	2	10	1.15	< 10	< 1	0.21	12
1234679	< 5	0.3	0.6	8	229	2	< 1	10	238	0.20	4	< 10	42	< 0.5	< 2	1.46	< 1	8	1.05	< 10	< 1	0.12	< 10
1234680	408	< 0.2	< 0.5	39	499	1	87	6	47	2.09	< 2	< 10	99	0.9	< 2	1.27	24	73	3.90	< 10	< 1	0.45	14
1234681	< 5	0.3	< 0.5	14	150	2	2	11	79	0.30	3	< 10	54	< 0.5	< 2	0.54	1	8	0.77	< 10	< 1	0.19	< 10
1234682	5	0.6	< 0.5	20	286	2	< 1	37	137	0.22	6	< 10	43	< 0.5	< 2	1.23	2	10	1.43	< 10	< 1	0.13	< 10
1234683	19	0.3	< 0.5	11	292	2	1	24	125	0.32	3	< 10	57	< 0.5	< 2	1.08	2	5	1.12	< 10	< 1	0.21	11
1234684	< 5	0.4	< 0.5	22	276	2	6	30	187	0.34	17	< 10	58	0.6	< 2	0.92	5	3	1.45	< 10	< 1	0.22	11

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234621	1.78	0.029	0.024	1.10	2	5	243	< 0.01	< 1	< 2	< 10	12	< 10	7	7
1234622	0.80	0.035	0.060	7.79	3	3	252	< 0.01	2	< 2	< 10	17	< 10	5	23
1234623	0.04	2.74	< 0.001	< 0.01	< 2	< 1	22	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1
1234624	1.58	0.028	0.033	4.50	4	5	138	< 0.01	< 1	< 2	< 10	16	< 10	4	11
1234625	2.14	0.022	0.029	0.56	3	8	169	< 0.01	< 1	< 2	< 10	17	< 10	5	6
1234626	2.08	0.025	0.030	0.60	3	7	165	< 0.01	< 1	< 2	< 10	19	< 10	5	7
1234627	1.94	0.022	0.027	2.78	3	6	150	< 0.01	2	< 2	< 10	13	< 10	5	11
1234628	2.30	0.028	0.038	0.61	3	8	191	< 0.01	< 1	< 2	< 10	26	< 10	6	6
1234629	1.15	0.045	0.035	2.14	2	2	113	< 0.01	< 1	< 2	< 10	5	< 10	5	17
1234630	0.85	0.050	0.035	1.76	2	2	90	< 0.01	< 1	< 2	< 10	6	< 10	5	18
1234631	0.50	0.036	0.006	2.46	< 2	1	56	< 0.01	< 1	< 2	< 10	2	< 10	7	34
1234632	0.31	0.051	0.007	0.77	< 2	< 1	45	< 0.01	1	< 2	< 10	< 1	< 10	8	26
1234633	0.32	0.038	0.007	0.73	< 2	< 1	42	< 0.01	< 1	< 2	< 10	< 1	< 10	7	24
1234634	0.33	0.057	0.008	0.48	< 2	< 1	43	< 0.01	2	< 2	< 10	< 1	< 10	10	25
1234635	2.60	0.023	0.010	0.93	3	6	250	< 0.01	< 1	< 2	< 10	12	< 10	4	4
1234636	1.46	0.053	0.009	0.71	< 2	3	166	< 0.01	< 1	< 2	< 10	6	< 10	10	19
1234637	2.51	0.020	0.011	0.80	2	7	247	< 0.01	< 1	< 2	< 10	12	< 10	4	3
1234638	1.91	0.022	0.010	0.62	3	7	173	< 0.01	2	< 2	< 10	11	< 10	4	4
1234639	2.95	0.024	0.010	0.99	2	9	287	< 0.01	1	< 2	< 10	21	< 10	5	2
1234640	2.01	0.895	0.111	0.02	2	2	186	0.49	< 1	< 2	< 10	70	< 10	6	8
1234641	2.79	0.019	0.009	0.21	4	7	258	< 0.01	< 1	< 2	< 10	15	< 10	5	2
1234642	0.88	0.018	0.021	2.86	2	2	96	< 0.01	< 1	< 2	< 10	4	< 10	4	21
1234643	0.52	0.026	0.030	5.76	13	1	69	< 0.01	< 1	< 2	< 10	5	< 10	5	26
1234644	0.71	0.021	0.061	2.54	7	2	86	< 0.01	< 1	< 2	< 10	3	< 10	6	15
1234645	2.76	0.022	0.009	0.29	< 2	8	289	< 0.01	< 1	< 2	< 10	25	< 10	5	2
1234646	1.10	0.023	0.066	3.84	6	2	119	< 0.01	< 1	< 2	< 10	7	< 10	5	15
1234647	0.34	0.021	0.039	11.2	21	1	39	< 0.01	2	< 2	< 10	5	< 10	3	28
1234648	0.04	2.73	< 0.001	< 0.01	< 2	< 1	19	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1
1234649	0.51	0.027	0.027	3.76	15	1	57	< 0.01	< 1	< 2	< 10	3	< 10	4	19
1234650	0.45	0.024	0.048	7.53	12	1	48	< 0.01	2	< 2	< 10	7	< 10	4	32
1234651	0.60	0.028	0.029	3.39	14	1	60	< 0.01	< 1	< 2	< 10	6	< 10	4	22
1234652	0.52	0.028	0.028	3.40	13	1	57	< 0.01	< 1	< 2	< 10	3	< 10	4	21
1234653	0.63	0.031	0.026	3.70	12	1	73	< 0.01	< 1	< 2	< 10	5	< 10	5	23
1234654	0.41	0.028	0.036	7.24	19	< 1	47	< 0.01	3	< 2	< 10	4	< 10	4	23
1234655	0.30	0.029	0.044	5.75	11	1	41	< 0.01	2	< 2	< 10	6	< 10	5	32
1234656	0.16	0.022	0.046	7.74	15	< 1	28	< 0.01	4	< 2	< 10	5	< 10	4	32
1234657	0.11	0.027	0.034	7.41	13	< 1	23	< 0.01	3	< 2	< 10	5	< 10	4	30
1234658	0.05	0.021	0.024	13.3	24	< 1	14	< 0.01	1	< 2	< 10	4	< 10	4	38
1234659	0.07	0.020	0.030	6.15	8	< 1	27	< 0.01	< 1	< 2	< 10	3	< 10	7	42
1234660	1.63	0.656	0.095	2.40	4	2	205	0.44	2	< 2	< 10	62	< 10	5	36
1234661	0.08	0.031	0.013	1.25	< 2	< 1	14	< 0.01	< 1	< 2	< 10	1	< 10	15	49
1234662	0.10	0.029	0.010	1.24	< 2	< 1	19	< 0.01	< 1	< 2	< 10	< 1	< 10	15	48
1234663	10.9	0.014	0.099	0.01	5	13	4	0.06	< 1	< 2	< 10	170	< 10	14	5
1234664	8.46	0.014	0.017	< 0.01	3	13	2	< 0.01	< 1	< 2	< 10	179	< 10	3	6
1234665	0.25	0.045	0.012	0.24	< 2	< 1	40	< 0.01	< 1	< 2	< 10	3	< 10	16	42
1234666	0.31	0.050	0.015	0.53	< 2	< 1	34	< 0.01	< 1	< 2	< 10	2	< 10	12	49
1234667	0.25	0.060	0.009	0.23	< 2	< 1	38	< 0.01	< 1	< 2	< 10	< 1	< 10	9	33
1234668	0.60	0.033	0.014	0.19	< 2	1	101	< 0.01	< 1	< 2	< 10	3	< 10	9	27

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1234669	0.30	0.037	0.007	0.09	2	< 1	86	< 0.01	< 1	< 2	< 10	1	< 10	12	29
1234670	0.29	0.032	0.017	< 0.01	< 2	< 1	304	< 0.01	< 1	< 2	< 10	< 1	< 10	11	17
1234671	0.42	0.044	0.003	< 0.01	< 2	< 1	119	< 0.01	< 1	< 2	< 10	< 1	< 10	18	24
1234672	0.41	0.124	0.009	0.41	< 2	1	58	< 0.01	< 1	< 2	< 10	< 1	< 10	16	42
1234673	0.04	2.82	< 0.001	< 0.01	< 2	< 1	21	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1
1234674	0.54	0.046	0.003	0.60	2	< 1	141	< 0.01	< 1	< 2	< 10	< 1	< 10	33	46
1234675	0.25	0.046	0.012	0.62	< 2	< 1	68	< 0.01	< 1	< 2	< 10	2	< 10	22	52
1234676	0.25	0.073	0.005	0.25	< 2	< 1	67	< 0.01	< 1	< 2	< 10	1	< 10	30	40
1234677	0.12	0.044	0.004	0.09	< 2	< 1	28	< 0.01	< 1	< 2	< 10	< 1	< 10	32	37
1234678	0.13	0.049	0.006	0.16	< 2	< 1	37	< 0.01	< 1	< 2	< 10	< 1	< 10	31	44
1234679	0.15	0.049	0.002	0.13	< 2	< 1	42	< 0.01	< 1	< 2	< 10	< 1	< 10	28	29
1234680	2.01	0.902	0.112	0.02	< 2	2	186	0.49	< 1	< 2	< 10	69	< 10	6	8
1234681	0.11	0.036	0.003	0.16	< 2	< 1	20	< 0.01	< 1	< 2	< 10	< 1	< 10	19	23
1234682	0.22	0.046	0.003	0.28	< 2	< 1	39	< 0.01	< 1	< 2	< 10	< 1	< 10	25	27
1234683	0.21	0.030	0.006	0.17	< 2	< 1	39	< 0.01	< 1	< 2	< 10	< 1	< 10	14	33
1234684	0.17	0.028	0.010	0.60	< 2	< 1	34	< 0.01	< 1	< 2	< 10	1	< 10	15	40

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		28.0	3.3	1120	748	13	19	667	683	0.33	366	< 10	354	0.8	1420	0.79	6	6	22.5	< 10	4	0.03	< 10
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50
GXR-4 Meas		3.6	< 0.5	6730	139	305	36	48	70	2.86	100	< 10	59	1.4	6	0.93	14	55	3.23	10	< 1	1.67	50
GXR-4 Cert		4.0	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110	4.01	64.5
GXR-6 Meas		0.3	< 0.5	68	993	2	18	98	122	7.27	244	< 10	1120	0.9	< 2	0.16	13	78	5.55	20	< 1	1.07	10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OxD108 Meas	407																						
OxD108 Cert	414																						
OxD108 Meas	424																						
OxD108 Cert	414																						
OxJ120 Meas	2360																						
OxJ120 Cert	2365.000																						
OxJ120 Meas	2320																						
OxJ120 Cert	2365.000																						
1234623 Orig		< 0.2	< 0.5	< 1	41	< 1	< 1	< 2	4	4.25	< 2	13	15	< 0.5	< 2	0.20	< 1	2	0.24	< 10	< 1	1.14	< 10
1234623 Dup		< 0.2	< 0.5	< 1	41	< 1	< 1	< 2	4	4.14	< 2	13	14	< 0.5	< 2	0.19	< 1	2	0.25	< 10	< 1	1.12	< 10
1234630 Orig	7																						
1234630 Dup	9																						
1234631 Orig		0.3	< 0.5	25	274	2	9	12	101	0.24	52	< 10	37	< 0.5	< 2	1.63	6	6	3.73	< 10	< 1	0.13	14
1234631 Dup		0.2	< 0.5	24	272	2	9	13	101	0.24	50	< 10	35	< 0.5	< 2	1.60	6	5	3.64	< 10	< 1	0.13	13
1234641 Orig	< 5																						
1234641 Dup	< 5																						
1234650 Orig	86																						
1234650 Dup	81																						
1234665 Orig	< 5																						
1234665 Dup	< 5																						
1234670 Orig	< 5																						
1234670 Split PREP DUP	< 5																						
1234671 Orig		0.3	< 0.5	2	405	4	2	16	19	0.32	< 2	< 10	47	< 0.5	< 2	3.84	< 1	6	1.33	< 10	< 1	0.17	12
1234671 Dup		0.3	< 0.5	2	409	4	2	16	22	0.33	< 2	< 10	47	< 0.5	< 2	3.87	< 1	6	1.35	< 10	< 1	0.18	12
1234674 Orig	< 5																						
1234674 Dup	< 5																						
1234684 Orig	< 5	0.3	< 0.5	22	277	2	6	29	189	0.33	18	< 10	58	0.5	< 2	0.92	5	3	1.45	< 10	< 1	0.21	11
1234684 Dup	5	0.4	< 0.5	22	275	2	5	31	184	0.35	16	< 10	59	0.6	< 2	0.92	5	3	1.45	< 10	< 1	0.22	11
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.13	0.052	0.035	0.18	83	1	147	< 0.01	5	< 2	28	83	140	23	13
GXR-1 Cert	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-4 Meas	1.64	0.140	0.117	1.69	3	7	70	0.14	2	3	< 10	87	14	12	9
GXR-4 Cert	1.66	0.564	0.120	1.77	4.80	7.70	221	0.29	0.970	3.20	6.20	87.0	30.8	14.0	186
GXR-6 Meas	0.39	0.085	0.031	0.01	3	20	30		< 1	< 2	< 10	182	< 10	6	13
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		0.0180	2.20	1.54	186	1.90	14.0	110
OxD108 Meas															
OxD108 Cert															
OxD108 Meas															
OxD108 Cert															
OxJ120 Meas															
OxJ120 Cert															
OxJ120 Meas															
OxJ120 Cert															
1234623 Orig	0.04	2.77	< 0.001	< 0.01	2	< 1	23	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1
1234623 Dup	0.04	2.71	< 0.001	< 0.01	< 2	< 1	22	< 0.01	< 1	< 2	< 10	< 1	< 10	2	< 1
1234630 Orig															
1234630 Dup															
1234631 Orig	0.51	0.036	0.007	2.48	< 2	1	57	< 0.01	< 1	< 2	< 10	2	< 10	8	34
1234631 Dup	0.50	0.035	0.006	2.44	< 2	1	55	< 0.01	< 1	< 2	< 10	2	< 10	7	34
1234641 Orig															
1234641 Dup															
1234650 Orig															
1234650 Dup															
1234665 Orig															
1234665 Dup															
1234670 Orig															
1234670 Split PREP DUP															
1234671 Orig	0.41	0.043	0.003	< 0.01	< 2	< 1	118	< 0.01	< 1	< 2	< 10	< 1	< 10	18	24
1234671 Dup	0.42	0.044	0.004	< 0.01	< 2	< 1	119	< 0.01	< 1	< 2	< 10	< 1	< 10	18	24
1234674 Orig															
1234674 Dup															
1234684 Orig	0.17	0.028	0.010	0.59	< 2	< 1	34	< 0.01	< 1	< 2	< 10	1	< 10	15	41
1234684 Dup	0.17	0.028	0.010	0.60	< 2	< 1	34	< 0.01	< 1	< 2	< 10	1	< 10	15	40
Method Blank															
Method Blank															
Method Blank															
Method Blank															
Method Blank	< 0.01	0.014	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 1	< 2	< 10	< 1	< 10	< 1	< 1

APPENDIX D: Project Expenditures

Expenditures according to the format of Form 0241E

Section	Item	Detail	Total
3A	Drilling	BM-16-03	$37,753.00
3A	Chemical Analyses		$3,088.50
3B	Drill Supervision		$6,617.71
3B	Core Cutting		$2438.15
3B	Reporting		$1900.00
3B	Drafting		$597.00
3C	Fuel		$560.55
3D	Food Lodging		$1,506.07
		Total	**$54,460.98**

Expenditures per Claim

Claim	Metres Drilled	Percentage (%)	Expenditure
4213967	411	100	54460.98